



Hydrothermal Systems
COMPARATO®



24 · 2025 Price List
Reliable by nature.

Excellence **MADE IN ITALY**

SINCE 1968

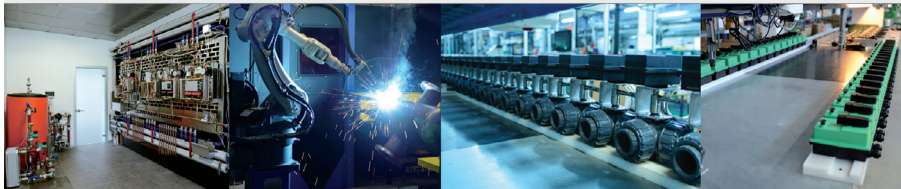
COMPARATO



ON REQUEST



FACTORY



A modern layout designed to **maximise results in productivity, quality and logistics**, highly engineered to optimise internal flows, with well-defined and specialised areas according to the processes performed, and with the possibility for future major expansions of the production area.

A strongly implemented R&D department, with design in digital prototyping and 3D prototype printing with FDM technology directly in plastic. **Laboratories equipped with state-of-the-art testing and research systems.** We created environments that **encourage the exchange of ideas**, a necessary condition for **development, the growth of internal know-how** and the **creation of new products precursory of future needs.**

A new state-of-the-art site designed to join production and offices in a single industrial hub and ensure immediate communication; a new **logistics centre strategically located**, to store and ship finished products.

New test and inspection rooms (for individual products and prototypes); new painting plant; plasma cutting; new robotic welding island and automatic actuator assembling lines.

New pipe cutter and new packing line.

MISSION

Flow management and temperature control through **RELIABLE** and **LONG-LASTING** hydrothermal systems: we provide solutions according to the Customer's needs that stand out on the market for **TECHNOLOGY** and **INNOVATION**.

VISION

Simplification and improvement of everyday life in terms of **EFFICIENCY**, **ENERGY SAVING** and **SUSTAINABILITY**, a source of inspiration for new generations, a model of **MADE IN ITALY EXCELLENCE** and **QUALITY**.

OUR VALUES

Our work joins **PASSION** and **TECHNOLOGY**.

- Customer Orientation
- Research & Innovation
- Integrity and Transparency
- Sense of belonging
- Team working
- Sense of urgency and punctuality in delivery
- Effective and efficient results
- Focus on people
- Safety in the workplace
- Respect for the environment

OUR STATEMENT

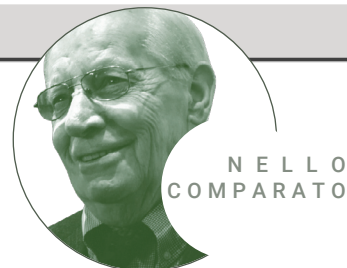
"Reliable by nature." was born out of the desire to express **COMPARATO's** DNA and encapsulates a more than fifty-year-long history through which the company has always pursued product quality, in order to offer its partners the best solutions. This sentence also reflects the respect and care for the Nature that surrounds us, values that are now too neglected by a world in constant motion. This is why the image chosen by **COMPARATO** is reminiscent of **Mother Nature**: an elegant and refined woman, diving into today's world, where the search for domestic comfort needs to keep pace with **ECOSUSTAINABILITY** and **ENERGY SAVING**.



Affidabili per natura.

"Reliable by nature." is a concept born under the sign of innovation: **Mother Nature presents COMPARATO's products as the fruit sprouted from the tree of technology.**

ORIGINS and HISTORY



1968

Nello Comparato founded Comparato Nello s.a.s. as the natural evolution of an accredited craft business, taking advantage of the recognition of an important industrial patent relating to "**DIASOL**".

1971

The success of "DIASOL" opens up space for **Motorised Zone Valves**, under the brand name DIT - HYDROTHERMAL DEVICES

1975

The company strengthened its industrial footprint by moving to Carcare. The production is integrated with "**CONTER ZONE BOXES**", which allow to split consumptions thanks to 'hour meters'.

1980

When Nello's sons **Roberto** and **Paolo** finally joined the company, they set up a management with a great team spirit, which principles are still those of the founder: **enthusiasm, determination and respect**.

1990

The staff growth gives the company a new shape and production expands into a **new factory**. Meanwhile, relations with **foreign markets** are being strengthened.

1998

Building on the experience gained thanks to the zone boxes, **COMPARATO** becomes one of the first companies to introduce "**Hydraulic Interface Units for direct metering**" to the market.

2009

Relations with foreign markets are intensified by using **leading importers**.

2011

Headquarter and Production are united in a single industrial cluster with very high development potential, designed to maximise results in productivity, quality and logistics. That's how **Ferrania plant** was born. The new logistics gave rise to important strategic investments in the production departments: the **automatic assembly lines** for actuators and the **automatic welding islands** for power plant components.

2016

COMPARATO decided to direct its investments in **product engineering**, by shifting the focus to their "**smart**" **core**, intelligent solutions that match the new home automation trends to maximise domestic comfort.

2018

The entry of **Thomas**, Nello's nephew, allows the principles of experience and tradition to blend with **dynamism** and **innovation**, all united by the value of passion.

2022

Thanks to significant investments in innovation and technology, **COMPARATO** moved the management of motorised valves to the **CLOUD**, allowing the entry of its products in **IoT**.

TODAY

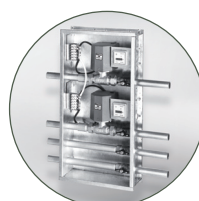
Today COMPARATO is facing new challenges with the same energy that has characterized it since its inception through solutions that anticipate market trends, utilizing new multi-media communication channels, and investing in the energy and digital transition with the goals of an industry strongly oriented towards automation and new production technologies to improve working conditions, create new business models, increase plant productivity, and improve product quality.



DIASOL



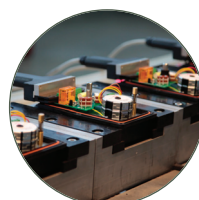
DIAMANT



CONTER



HEAD-
QUARTER



ASSEMBLY
LINES



SMART PRO
RANGE

HVAC MOTORISED BALL VALVES p. 9



SINTESI
p. 10



SINTESI SMART
p. 12



SINTESI DC
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DIAMANT 2000
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DIAMANT 2000 ISO
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MICRODIAM
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CLIMA PDC
Boiler diverters - PDC
p. 32



SINTESI
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SINTESI REGULATING
p. 18



SINTESI 6-WAY
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DIAMANT 2000
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MICRODIAM
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IP67 PRO
Range
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IP68 PRO
Range
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DC
Range
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CLIMA / CRONO
Range
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PILOT
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SMART PRO
Range
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BRASS
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AISI 316
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CAST IRON
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BUTTERFLY
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BUTTERFLY
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DIAMANT PRO
IP67
Range
p. 90



BRASS
with thermal break
p. 90



IP67 PRO
Range
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BRASS
with thermal break
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SPACERS
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BRASS
UNIVERSAL PNEUMATIC
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Fixed-point
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DIAMIX PR COMPAMIX PR
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p. 106



DIAMIX L COMPAMIX L
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**SINTESI
PICV**
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PICV**
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ePICV
Electronic PICV
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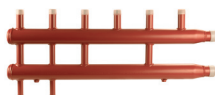


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DTCV
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DIACOL
Manifolds
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Circulation pump
manifold
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Separators
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DIADEF
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DIADEF MAGNETIC
Deposit Separators
with integrated magnet
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DIAFIL
Magnetic deposit
separator filter
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DIASEP
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Safety device holder
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DIAS
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Manifolds
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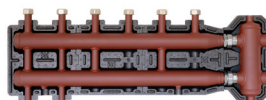
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PUMP UNITS
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**PUMP UNITS
WITH METERING**
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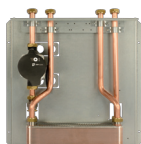
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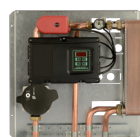
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ACCESSORIES
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HVAC
Motorised Valves

HVAC • INDUSTRIAL
Motorised Valves

WINEMAKING
Motorised Valves

PNEUMATIC
Valves

Built-in ELECTRONICS
Mixing Valves

BALANCING
Systems

Components for
CENTRAL HEATING

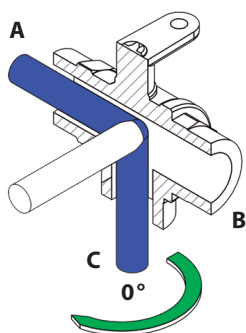
DISTRIBUTION
Systems

HYDRAULIC
INTERFACES

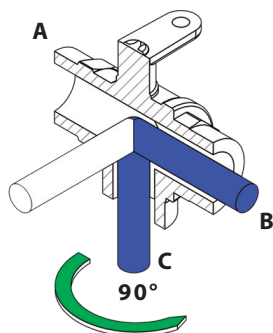
DIRECT METERING

VERTICAL 3-WAY ball valve 3-HALL BALL: MIXER / DIVERTER

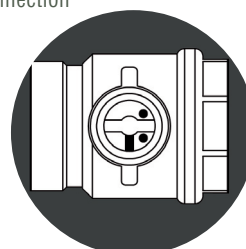
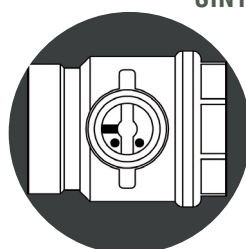
0° POSITION



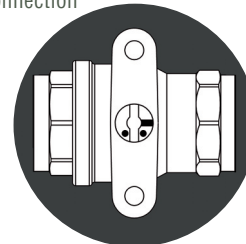
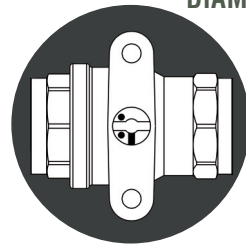
90° POSITION



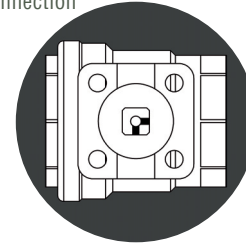
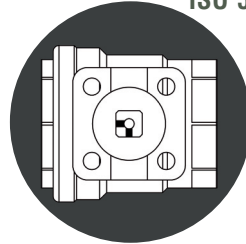
SINTESI connection



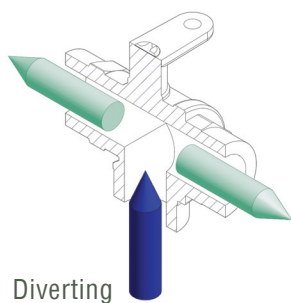
DIAMANT connection



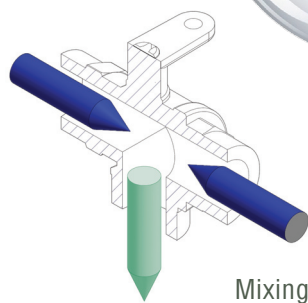
ISO 5211 connection



APPLICATION



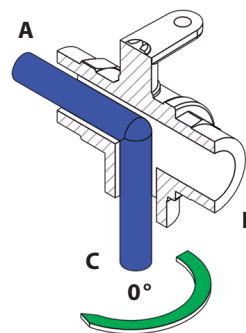
Diverting



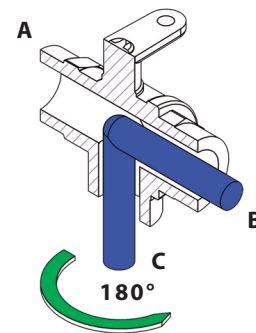
Mixing

VERTICAL 3-WAY ball valve 2-HALL BALL: DIVERTER

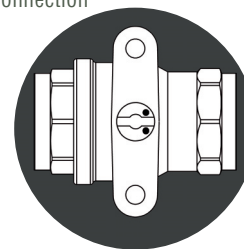
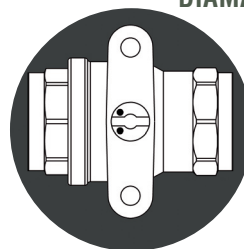
0° POSITION



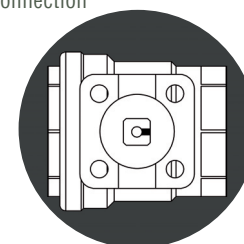
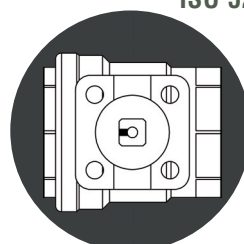
180° POSITION



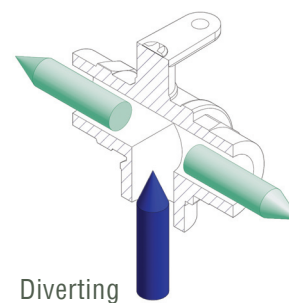
DIAMANT connection



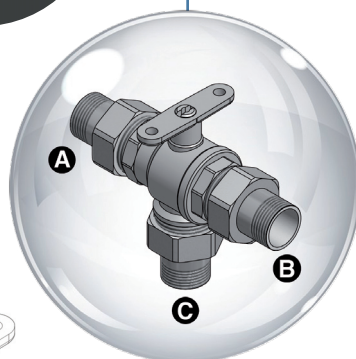
ISO 5211 connection



APPLICATION



Diverting



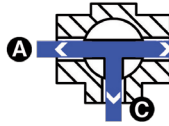
HORINZONTAL 3-WAY ball valve
"T"-PORT: DIVERTER

BALL POSITIONING

POSITION
T1 - T4

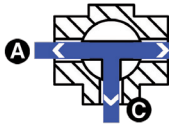


B



B

POSITION
T4 - T3



B



B

POSITION
T3 - T2

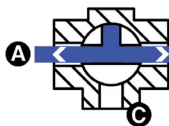


B



B

POSITION
T2 - T1



B



B



HORINZONTAL 3-WAY ball valve
"L"-PORT: DIVERTER

BALL POSITIONING

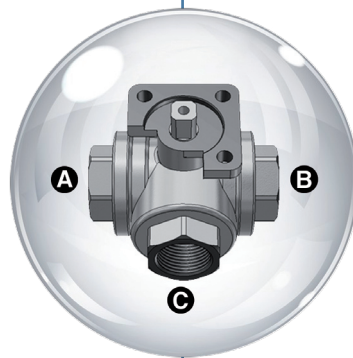
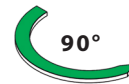


B



B

POSITION
L1 - L2



Technical Information on Motorised Valves

You can find all technical information related to Motorised Valves, to Actuators and to ball valves on technical data sheets. These are available in both printed and electronic versions (you can download them from our website www.comparato.com).

Operating time [sec] time that is necessary to the actuator for the nominal rotation. The nominal rotation, both clock and anti-clockwise, can take place on 90° and 180° angles, according to actuator type.

Torque [Nm] torque for which the actuator can be used for continuous service.

DN [mm] nominal passage diameter of the valve.

PN [bar] valve nominal pressure. It corresponds to the maximum pressure value the valve can bear in the heaviest hydraulic functioning.

Δp_{max} maximum differential pressure among valve ways in closing condition.

Kvs coefficient water rate, expressed in m³/h (from 10°C to 25°C with mass density equal to 1.000 kg/m³) that passes through two ways of the valve in complete opening with pressure drop 100 kPa (1 bar) Δp .

$$Kvs = \frac{Q}{\sqrt{\Delta p}}$$

where:
Q is the rate in m³/h
 Δp is the pressure drop in bar.

IP class protection the first figure indicates protection index against intrusion of solid objects and dusts while the second figure indicates the protection index against intrusion of liquid.

Level	Solid bodies	Liquids
IP44	Protected against solid bodies with dimensions superior to 1 mm	Protected against splashes of water from any direction
IP54	Complete protection against dust	Protected against splashes of water from any direction
IP65	Totally protected against dust	Protected against water jets from any direction
IP67	Totally protected against dust	Protected against temporary immersion
IP68	Totally protected against dust	Protected against continuous immersion

2-POINT electrical connection the actuator needs an electrical fixed supply on two wire for closing and a further electrical supply on the third wire for opening. The control device must be a "switch" one. The operation is ON/OFF (fully open / fully closed). The actuator does not absorb electrical supply at the end.

3-POINT electrical connection the actuator needs an electrical supply on first and second wire for closing and an electrical supply on first and third wire for opening. The control device can be both "modulating" (regulation and mixing) or "ON-OFF" (interception and diverting). The actuator does not absorb electrical supply at the end.

"ALL IN ONE" patented system that allows you, thanks to a selector (Sintesi) or a Jumper, to set actuator electrical control from 2- to 3- point according to plant needs.

Diamix L / Compamix L besides all the functions of standard version Diamix L or Compamix L, mixing / thermo-regulating valve has a specific software which allows the actuator to make autonomously all processes of thermal disinfection in plants with recirculation ring and, in this way, the danger of presence and **proliferation of legionella bacteria is noticeably reduced**. The multiple variables connected to the realization of plants where this equipment can be installed are so numerous that it is impossible to totally exclude the risk.

DIMMIX to assist in selecting **Diamix L / Compamix L** motorised mixing valves used in domestic hot water mixing systems, **the DIMMIX software is available for free on the website. It allows for the sizing of mixing/temperature control valves.**

Certificates all certificates for each family of actuators are available on our web site www.comparato.com

- CE 2006/42/EC Machinery Directive;
- CE 2014/35/UE Low voltage Directive;
- CE 2014/30/UE electro magnetic compatibility Directive.

HVAC MOTORISED BALL VALVES

	Actuators SINTESI	10
	Actuators SINTESI SMART	12
	Actuators SINTESI DC	14
	Ball valves SINTESI	16
	Regulation valves SINTESI	18
	6-way valves SINTESI	20
	Actuators DIAMANT 2000	24
	Ball valves DIAMANT 2000	25
	Actuators DIAMANT 2000 ISO	27
	Ball valves DIAMANT 2000 ISO	28
	Motorised valves MICRODIAM	31
	Motorised diverting valves CLIMA PDC	32
	REGULATION CONTROL UNITS	34

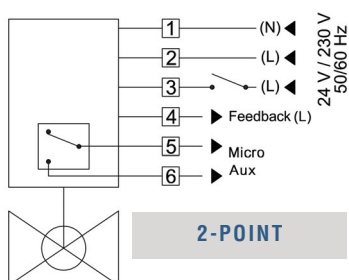


ALL IN ONE: 2-POINT • 3-POINT

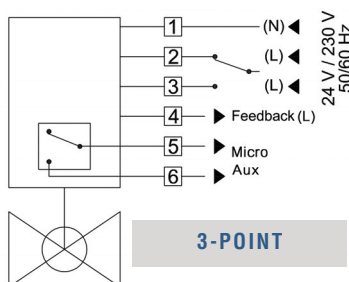
- **TORQUE:** 8 Nm (15 sec version: 5 Nm)
- **CLASS PROTECTION:** IP54
- **ONE EXTRA MICRO-SWITCH FREE ON OPENING INCLUDED**
- **110V ON REQUEST**



Suitable for
Control Units
see p. 34

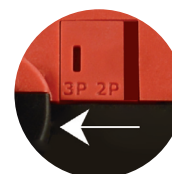


2-POINT

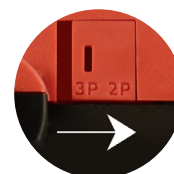


3-POINT

ALL IN ONE



select **3P**
for **3-POINT**



select **2P**
for **2-POINT**

Operating times **35 sec • 90°**

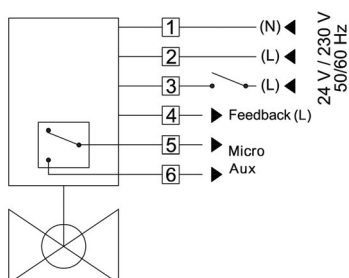
CODE	FOR BALL VALVE		POWER SUPPLY	€
SY2221B	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	106,10
SY2421B	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	110,40

Operating times **15 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SY2221BA	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	128,00
SY2421BA	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	132,30

2-POINT ON / OFF

- **TORQUE:** 8 Nm (15 sec version: 5 Nm)
- **CLASS PROTECTION:** IP54
- **ONE EXTRA MICRO-SWITCH FREE ON OPENING INCLUDED**
- **110V ON REQUEST**

Operating times **45 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SR2221U	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	94,20
SR2421U	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	

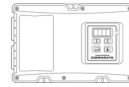
Operating times **15 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SR2221BA	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	127,90
SR2421BA	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	138,20

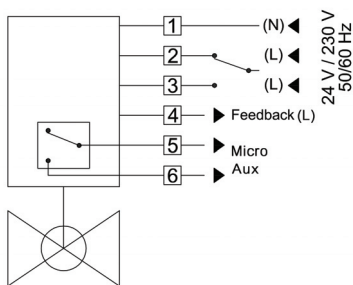


3-POINT MODULANTING

- **TORQUE:** 8 Nm (15 sec version: 5 Nm)
- **CLASS PROTECTION:** IP54
- **ONE EXTRA MICRO-SWITCH FREE ON OPENING INCLUDED**
- **110V ON REQUEST**



Suitable for
Control Units
see p. 34

Operating times **35 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SS2221B	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	101,00
SS2421B	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	105,00

Operating times **15 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SS2221BA	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	122,90
SS2421BA	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	132,70

Operating times **120 sec • 90°**

CODE	FOR BALL VALVE		POWER SUPPLY	€
SS2221BC2	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	105,70
SS2421BC2	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	110,40

DETAIL OF SINTESI FAST PUSH CONNECTION

NO TOOL NEEDED, NO NEED TO REMOVE THE SPRING CLIP

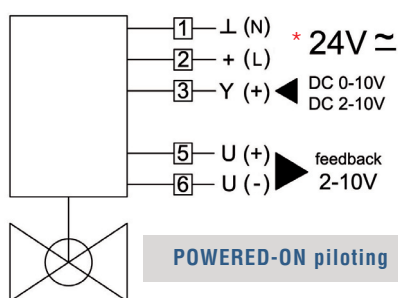


SINTESI SMART



PROPORTIONAL CONTROL

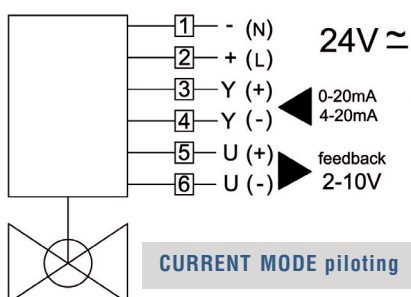
- TORQUE: 8 Nm
- CLASS PROTECTION: IP54
- POSITION FEEDBACK : $2 \div 10V$



* DC or AC power supply with single half-wave

CODE		POWER SUPPLY	CONTROL	OPERATING TIMES	€
SM4010F030	90°	24V AC / DC	0÷10V	30 sec	187,60
SM4010F060	90°	24V AC / DC	0÷10V	60 sec	
SM4010F120	90°	24V AC / DC	0÷10V	120 sec	
SM4210F030	90°	24V AC / DC	2÷10V	30 sec	
SM4210F060	90°	24V AC / DC	2÷10V	60 sec	
SM4210F120	90°	24V AC / DC	2÷10V	120 sec	

For the 230V 50/60 Hz and double half-wave version, please contact our Technical Office.



CODE		POWER SUPPLY	CONTROL	OPERATING TIMES	€
SM4020T030	90°	24V AC / DC	0÷20mA	30 sec	174,60
SM4020T060	90°	24V AC / DC	0÷20mA	60 sec	
SM4020T120	90°	24V AC / DC	0÷20mA	120 sec	
SM4420T030	90°	24V AC / DC	4÷20mA	30 sec	
SM4420T060	90°	24V AC / DC	4÷20mA	60 sec	
SM4420T120	90°	24V AC / DC	4÷20mA	120 sec	

SINTESI SMART accessories • Current mode piloting



DESCRIPTION	€
For 100...240V 50/60 Hz power supply replace 4 with 2 in the code e.g.: SM4420T030 becomes SM2420T030	93,90
For a 12V DC replace 4 with 5 in the code e.g.: SM4420T060 becomes SM5420T060	
NOT AVAILABLE FOR THE 30-SECOND VERSION	00,00

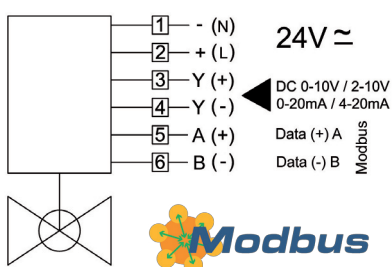
SINTESI SMART MODBUS



i

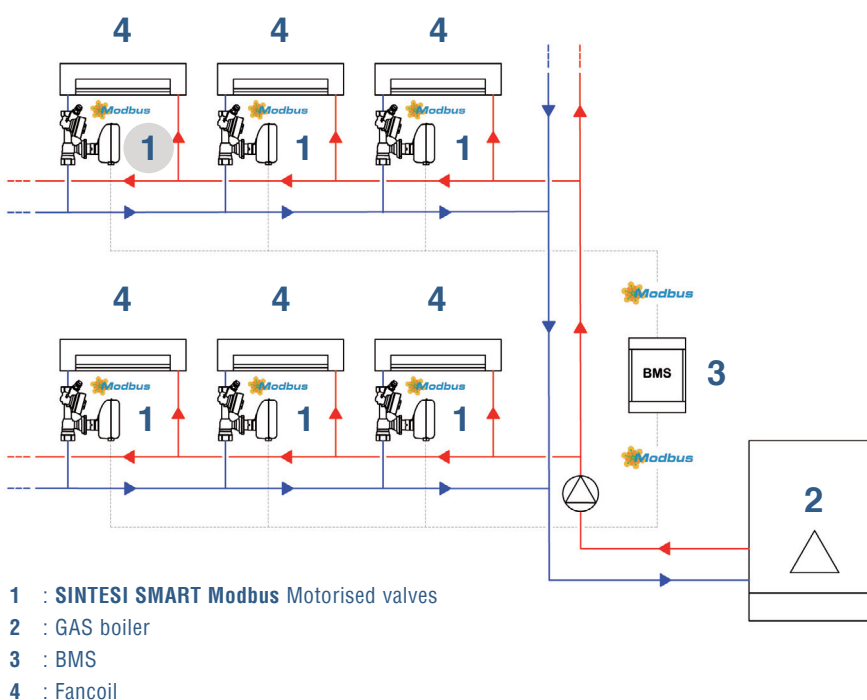
MODBUS COMMUNICATION

- TORQUE: 8 Nm
- CLASS PROTECTION: IP54
- PROGRAMABLE OPERATING TIMES WITH MODBUS (30 to 120s)
- POSITION FEEDBACK: Modbus



CODE		POWER SUPPLY	COMMUNICATION PROTOCOL	€
SMMODBUS	90°	24V AC / DC	Modbus - RTU	207,70

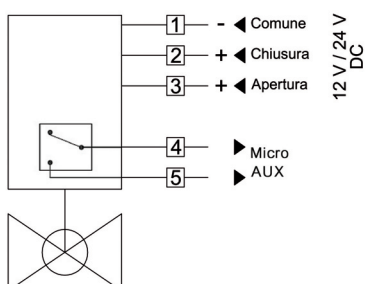
EXAMPLE OF USE: FANCOIL HEATING





DIRECT CURRENT: 2-POINT • 3-POINT ON / OFF - FAST

- TORQUE: 8 Nm (3 sec version: 5 Nm)
- CLASS PROTECTION: IP54

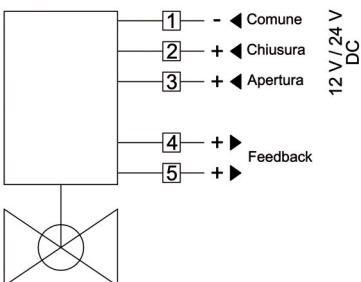


1 EXTRA MICRO-SWITCH free on opening

CODE		POWER SUPPLY	OPERATING TIMES	€
SY2421DCT	90°	24V DC	3 sec	95,00
SY2421DCC	90°	24V DC	5 sec	
SY2521DCT	90°	12V DC	3 sec	
SY2521DCC	90°	12V DC	5 sec	

DIRECT CURRENT: 2-POINT • 3-POINT ON / OFF

- TORQUE: 8 Nm
- CLASS PROTECTION: IP54



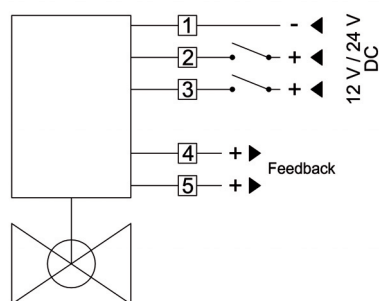
VOLTAGE FEEDBACK with open and closed valve

CODE		POWER SUPPLY	OPERATING TIMES	€
SDC42T030	90°	24V DC	30 sec	171,20
SDC42T060	90°	24V DC	60 sec	
SDC42T120	90°	24V DC	120 sec	
SDC52T060	90°	12V DC	60 sec	
SDC52T120	90°	12V DC	120 sec	



DIRECT CURRENT: 3 POSITION

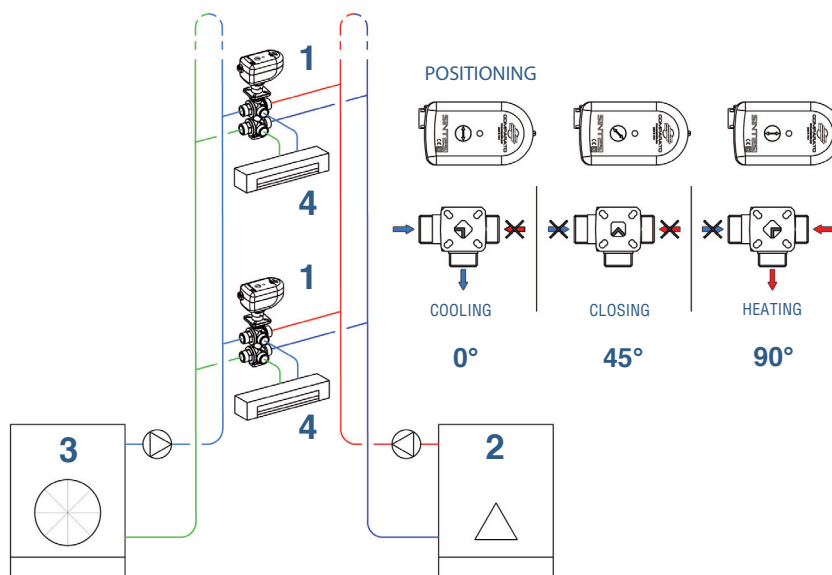
- TORQUE: 8 Nm
- CLASS PROTECTION: IP54



VOLTAGE FEEDBACK with open and closed valve

CODE		POWER SUPPLY	OPERATING TIMES	€
SDC43T030	0°- 45°- 90°	24V DC	30 sec	171,20
SDC43T060	0°- 45°- 90°	24V DC	60 sec	
SDC43T120	0°- 45°- 90°	24V DC	120 sec	
SDC53T060	0°- 45°- 90°	12V DC	60 sec	
SDC53T120	0°- 45°- 90°	12V DC	120 sec	

EXAMPLE OF USE: 4-PIPE SYSTEM



- 1 : SINTESI DC 6-WAY Motorised valve
 2 : GAS boiler
 3 : Chiller
 4 : Fancoil



2-WAY MM, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
SC2A2A	1/2"	90°	15	16	16,3	33,60
SC2B2A	3/4"	90°	20	16	29,5	45,50
SC2C2A	1"	90°	25	16	43	60,40



INSULATION AVAILABLE P.21

2-WAY MF, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
SC2A2A9	1/2"	90°	15	16	16,3	30,70
SC2B2A9	3/4"	90°	20	16	29,5	39,70
SC2C2A9	1"	90°	25	16	43	53,00

90° ROTATION 3-HOLE BALL • 3-WAY MMM MIXING / DIVERTING, full bore



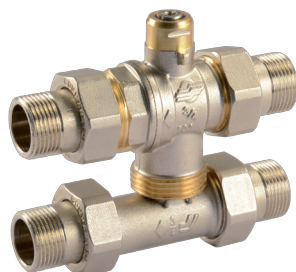
CODE	CONNECTION		DN	PN	Kv _s	€
SC3A3A	1/2"	90°	15	16	6	52,40
SC3B3A	3/4"	90°	20	16	11,5	65,80
SC3C3A	1"	90°	25	16	18,3	92,50



INSULATION AVAILABLE P.21

Ball positioning p.6

BY-PASS, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
SC4A4A	1/2"	90°	15	16	16,3 / 0,8	70,70
SC4B4A	3/4"	90°	20	16	29,5 / 1,9	90,40
SC4C4A	1"	90°	25	16	43 / 2,9	125,50

TELESCOPIC BY-PASS: FLOW-RETURN SPAN 1/2" AND 3/4" 50÷60 mm • 1" 55÷60 mm
ON REQUEST: BALL VALVE AVAILABLE WITHOUT BY-PASS TEE

2-WAY MF square, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
SC2B2A9L	3/4"	90°	20	16	11,5	57,00



2-WAY MM EQUAL PERCENTAGE, full bore



technical focus p. 18

REGULATING DISC

CODE	CONNECTION		DN	PN	Kv _s	€
SC2A2AK2	1/2"	90°	20	16	2,5	41,10
SC2A2AK4	1/2"	90°	20	16	4	

ON REQUEST Kv_s 1,0 / 1,6 / 6,3

INSULATION AVAILABLE P.21

"T"-PORT • 3-WAY MMM MIXING, full bore



MIXING

CODE	CONNECTION		DN	PN	Kv _s	€
SC3B3L	3/4"	90°	20	16	11,0	80,00

2-WAY MM, full bore



SOLAR THERMAL PLANTS

CODE	CONNECTION		DN	PN	Kv _s	€
SC2A2ASD1	1/2"	90°	15	16	16,3	48,60
SC2B2ASD1	3/4"	90°	20	16	29,5	59,20
SC2C2ASD1	1"	90°	25	16	43	80,70

Suitable for TEMPERATURE up to 160°C • Carbograte and silicone sealings

90° ROTATION 3-HOLE BALL • 3-WAY MMM MIXING / DIVERTING, full bore



SOLAR THERMAL PLANTS

CODE	CONNECTION		DN	PN	Kv _s	€
SC3A3ASD1	1/2"	90°	15	16	6	62,60
SC3B3ASD1	3/4"	90°	20	16	11,5	79,80
SC3C3ASD1	1"	90°	25	16	18,3	108,20

Suitable for TEMPERATURE up to 160°C • Carbograte and silicone sealings
Ball positioning p.6



2-WAY FF EQUAL PERCENTAGE • Regulating



REGULATING DISC

CODE + Kv _s	CONNECTION	DN	PN	Δp max	€
SC2ARKV _	1/2"	15	16	3,4 bar	84,70
SC2BRKV _	3/4"	20	16	3,4 bar	88,70
SC2CRKV _	1"	25	16	3,4 bar	100,80
SC2DRKV _	1"1/4	32	16	3,4 bar	139,50
SC2ERKV _	1"1/2	40	16	3,4 bar	147,30
SC2FRKV _	2"	50	16	3,4 bar	203,20

PLEASE ADD THE LETTER CORRESPONDING TO THE DESIRED KV_s
AT THE END OF THE CODE

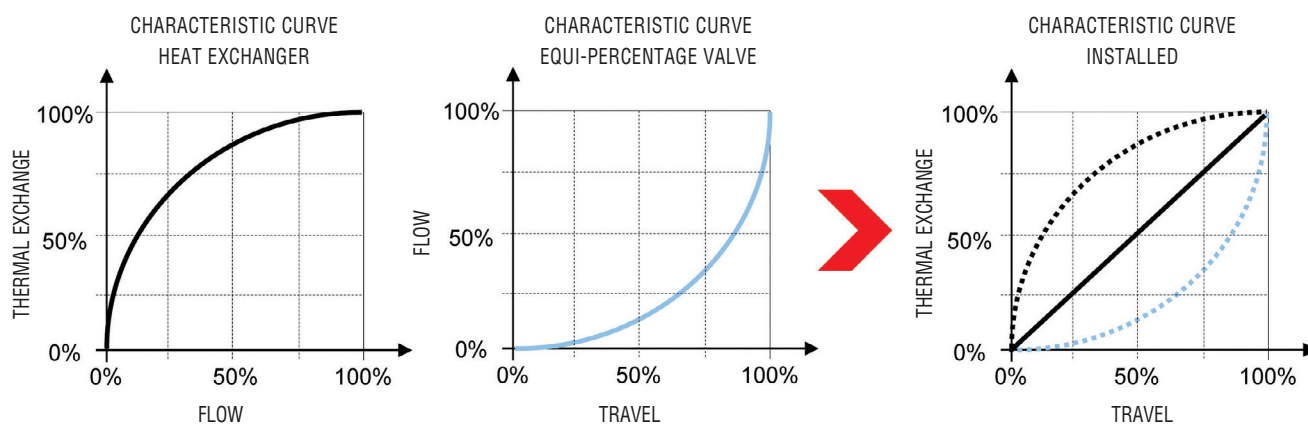
CODE EXAMPLE: SC2ARKV**A**

FOR THE BALL VALVE WITH NO REGULATION DISC CONTACT OUR OFFICES

AVAILABLE KV_s

	0,25	0,4	0,63	1	1,6	2,5	4	6,3	8,6	10	16	25	40
DN 15	A	B	C	D	E	F	G	H					
DN 20							G	H	I	J			
DN 25								H		J	K		
DN 32										J	K	L	
DN 40											K	L	
DN 50												L	M

EQUAL-PERCENTAGE CURVE TECHNICAL FOCUS





3-WAY FFF EQUAL PERCENTAGE • Regulating



REGULATING DISC

CODICE + Kv _s	CONNECTION	DN	PN	Δp max	€
SFERA "T"					
SC3ARKV _	1/2"	15	16	3,4 bar	121,70
SC3BRKV _	3/4"	20	16	3,4 bar	126,00
SC3CRKV _	1"	25	16	3,4 bar	149,40
SC3DRKV _	1"1/4	32	16	3,4 bar	192,00
SC3ERKV _	1"1/2	40	16	3,4 bar	207,10
SC3FRKV _	2"	50	16	3,4 bar	274,60

PLEASE ADD THE LETTER CORRESPONDING TO THE DESIRED Kv_s AT THE END OF THE CODE

CODE EXAMPLE: SC3ARKV**A**

FOR THE BALL VALVE WITH NO REGULATION DISC CONTACT OUR OFFICES

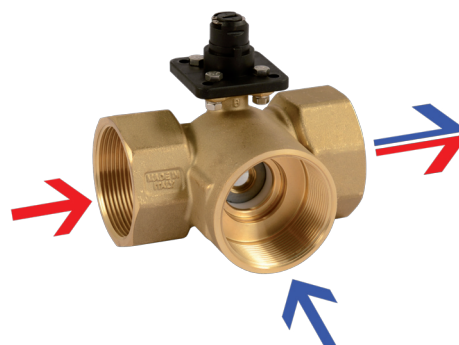


		AVAILABLE KV _S											
		0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	16	25	40
DN	15	A	B	C	D	E	F	G	H				
	20							G	H	J			
	25								H	J	K		
	32									J	K	L	
	40										K	L	
	50												L

EQUAL-PERCENTAGE CURVE TECHNICAL FOCUS

In general, the heat exchange is described with a typically non-linear relationship between flow and exchanged heat. **COMPARATO ball valves**, with their equi-percentage characteristic obtained thanks to special regulating discs, allow to compensate the non-linearity and to obtain a characteristic curve installed, as shown here. It's easy to see that the stability of the adjustment is positively affected by the action of the constant-gain actuator.

OPERATION





6-WAY • 4-pipe system



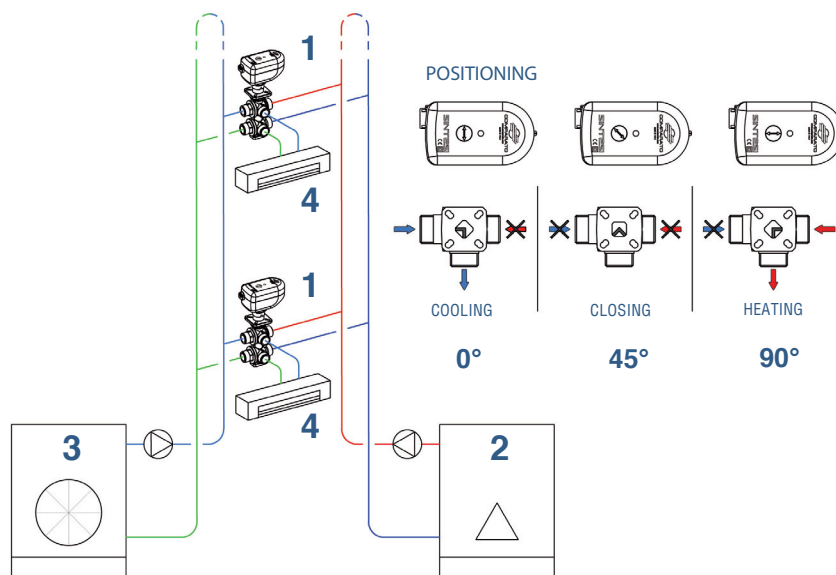
CODE	CONNECTION	DN	PN	Kv _s	€
SC6A15F	1/2" F	15	16	1,25 *	248,00
SC6B15M	3/4" M	15	16	1,25 *	253,80
SC6B20F	3/4" F	20	16	2,8 *	317,30
SC6B20M	3/4" M	20	16	2,8 *	317,30

* Kv max with no disc installed



Disc kit for Kv selection INCLUDED

EXAMPLE OF USE: 4-PIPE SYSTEM



- 1 : SINTESI DC 6-WAY Motorised valve
- 2 : GAS boiler
- 3 : Chiller
- 4 : Fancoil



Insulation 2-WAY • for ball valve p. 16



CODE	CONNECTION	DN	€
CBSC2A2A	1/2"	15	14,30
CBSC2B2A	3/4"	20	14,30
CBSC2C2A	1"	25	15,00

Insulation 3-WAY • for ball valve p. 16



CODE	CONNECTION	DN	€
CBSC3A3A	1/2"	15	21,80
CBSC3B3A	3/4"	20	21,80
CBSC3C3A	1"	25	28,80

Accessories

CONNECTION KIT
ISO 5211

CODE	DESCRIPTION	€
AIST01	Connection kit for ISO 5211 ball valve F03 - 9 and F05 - 11 • h 17 mm	19,70

SPACER



CODE	DESCRIPTION	€
DISN04	THERMAL BREAK spacer	15,10

SINTESI ALL IN ONE



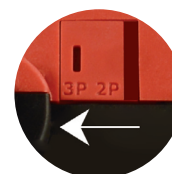
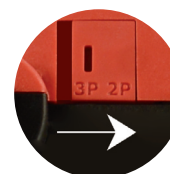
i

ALL IN ONE: 2-POINT • 3-POINT

- **OPERATING TIMES:** 35 sec 90°
- **CLASS PROTECTION:** IP54
- **POWER SUPPLY:** 230V • 50/60 Hz
- **WITH 1 EXTRA MICRO-SWITCH FREE ON OPENING**
- **BALL VALVES WITH CAPS AND TANGS**
- **INSULATION AVAILABLE P.21**



ALL IN ONE

select 3P
for 3-POINTselect 2P
for 2-POINT

2-WAY MM, full bore

CODE	CONNECTION	DN	PN	Kv _s	€
SY2221A2AB	1/2"	15	16	16,3	139,70
SY2221B2AB	3/4"	20	16	29,5	151,60
SY2221C2AB	1"	25	16	43	166,50



2-WAY MF, full bore

CODE	CONNECTION	DN	PN	Kv _s	€
SY2221A2A9B	1/2"	15	16	16,3	136,80
SY2221B2A9B	3/4"	20	16	29,5	145,80
SY2221C2A9B	1"	25	16	43	159,10



3-WAY MMM DIVERTING, full bore

CODE	CONNECTION	DN	PN	Kv _s	€
SY2221A3AB	1/2"	15	16	6	158,50
SY2221B3AB	3/4"	20	16	11,5	171,90
SY2221C3AB	1"	25	16	18,3	198,60

Ball positioning p.6

SINTESI ALL IN ONE



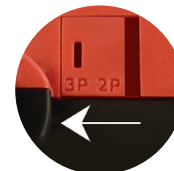
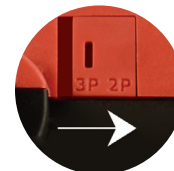
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ALL IN ONE: 2-POINT • 3-POINT

- **OPERATING TIMES:** 35 sec 90°
- **CLASS PROTECTION:** IP54
- **POWER SUPPLY:** 230V • 50/60 Hz
- **WITH 1 EXTRA MICRO-SWITCH FREE ON OPENING**
- **BALL VALVES WITH CAPS AND TANGS**



ALL IN ONE

select 3P
for 3-POINTselect 2P
for 2-POINT

BY-PASS, full bore

CODE	CONNECTION	DN	PN	Kv _s	€
SY2221A4AB	1/2"	15	16	16,3 / 0,8	176,80
SY2221B4AB	3/4"	20	16	29,5 / 1,9	196,50
SY2221C4AB	1"	25	16	43 / 2,9	231,60



2-WAY MF square, full bore

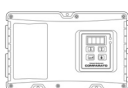
CODE	CONNECTION	DN	PN	Kv _s	€
SY2221B2A9BL	3/4"	20	16	11,5	163,10

Diamant 2000 • COMPARATO connection



ALL IN ONE: 2-POINT • 3-POINT

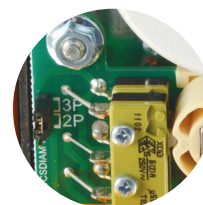
- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP65



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY	€
DY222	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	139,50
DY212	2- or 3-WAY • BY-PASS	90°	110V 50/60 Hz	146,20
DY242	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	146,20
DY322	3 WAY	180°	230V 50/60 Hz	139,50
DY312	3 WAY	180°	110V 50/60 Hz	146,20
DY342	3 WAY	180°	24V 50/60 Hz	146,20

Accessories

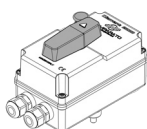
Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY2221

EXTRA
MICRO-SWITCH



ID	DESCRIPTION	€
1	1 extra micro switch in opening position	12,30
2	2 extra micro switches in opening and closing position	24,60

MANUAL OVERRIDE



ID	DESCRIPTION	€
A	Manual override	26,90

35-second version available

OPERATING TIMES



ID	DESCRIPTION	€
Q	4 second version for 90° - 5 Nm - 50 Hz	230V: 29,60 110V/24V: 41,80
D	12 second version for 90° - 11 Nm - 50 Hz	230V: 35,20 110V/24V: 47,40
C8	106 second version for 90° - 11 Nm - 50/60 Hz	230V: 16,60 110V/24V: 12,30
32	320 second version for 90° - 11 Nm - 50/60 Hz	230V: 18,10 110V/24V: 13,90

Manual emergency opening not available.

4 and 12 second versions, 60 Hz available on request.

Diamant 2000 • COMPARATO connection

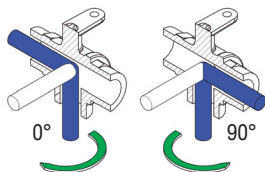


2-WAY MM, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC2A2A	1/2"	90°	15	16	16,3	43,60
DC2B2A	3/4"	90°	20	16	29,5	53,20
DC2C2A	1"	90°	25	16	43	81,10

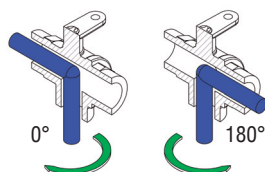
90° ROTATION 3-HOLE BALL • 3-WAY MMM MIXING / DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3B3A	3/4"	90°	20	16	11,5	87,90
DC3C3A	1"	90°	25	16	18,3	128,00

3-hole version to be combined with the **90°** version actuator

180° ROTATION 2-HOLE BALL • 3-WAY MMM DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3B2A	3/4"	180°	20	16	11,5	87,90
DC3C2A	1"	180°	25	16	18,3	128,00

2-hole version to be combined with the **180°** version actuator

BY-PASS, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
STRAIGHT UNION tangs						
DC4B4A	3/4"	90°	20	16	29,5 / 1,9	135,60
DC4C4AST	1" *	90°	25	16	43 / 2,9	126,70
ECCENTRIC UNION tangs						
DC4B4A2	3/4"	90°	20	16	29,5 / 1,9	186,00

* without by-pass tee

STRAIGHT tangs: flow-return span 60mm

ECCENTRIC tangs: flow-return span 55÷70mm

On request: ball valve 3/4" available without by-pass tee

Diamant 2000 • COMPARATO connection

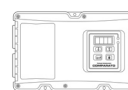


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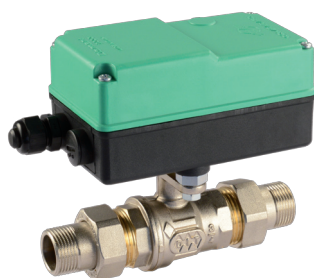
ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 35 sec 90°
- CLASS PROTECTION: IP65
- POWER SUPPLY: 230V • 50/60 Hz

- BALL VALVES WITH CAPS AND TANGS



Suitable for
Control Units
see p. 34



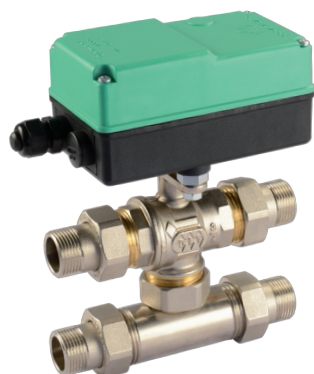
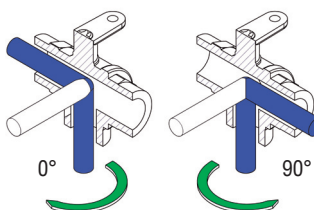
2-WAY MM

CODE	CONNECTION	DN	PN	K _v _s	€
DY222A2A	1/2"	15	16	16,3	183,10
DY222B2A	3/4"	20	16	29,5	192,80
DY222C2A	1"	25	16	43	220,60



3-WAY MMM DIVERTING / MIXING

CODE	CONNECTION	DN	PN	K _v _s	€
3-HOLE 90° BALL					
DY222B3A	3/4"	20	16	11,5	227,40
DY222C3A	1"	25	16	18,3	267,50



BY-PASS

CODE	CONNECTION	DN	PN	K _v _s	€
STRAIGHT UNION tangs					
DY222B4A	3/4"	20	16	29,5 / 1,9	275,10
DY222C4A	1" *	25	16	43 / 2,9	264,60
ECCENTRIC UNION tangs					
DY222B4A2	3/4"	20	16	43 / 2,9	325,50

* without by-pass tee

STRAIGHT tangs: flow-return span 60mm

ECCENTRIC tangs: flow-return span 55÷70mm

On request: ball valve 3/4" available without by-pass tee

Not suitable for control units

Diamant 2000 ISO • ISO 5211 connection



ALL IN ONE: 2-POINT • 3-POINT

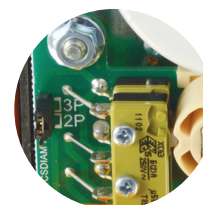
- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP65
- **TO BE COUPLE TO ISO 5211**
F03 - F05 BALL VALVES □ 9 - □ 11



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY	€
DY222G	2- or 3-WAY • BY-PASS	90°	230V 50/60 Hz	152,30
DY212G	2- or 3-WAY • BY-PASS	90°	110V 50/60 Hz	159,20
DY242G	2- or 3-WAY • BY-PASS	90°	24V 50/60 Hz	159,20
DY322G	3 WAY	180°	230V 50/60 Hz	152,30
DY312G	3 WAY	180°	110V 50/60 Hz	159,20
DY342G	3 WAY	180°	24V 50/60 Hz	159,20

Accessories

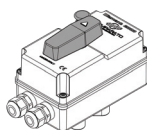
Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY222G1

EXTRA
MICRO-SWITCH



ID	DESCRIPTION	€
1	1 extra micro switch in opening position	12,30
2	2 extra micro switches in opening and closing position	24,60

MANUAL OVERRIDE



ID	DESCRIPTION	€
A	Manual override	26,90

35-second version available

OPERATING TIMES



ID	DESCRIPTION	€
Q	4 second version for 90° - 5 Nm - 50 Hz	230V: 29,60 110V/24V: 41,80
D	12 second version for 90° - 11 Nm - 50 Hz	230V: 35,20 110V/24V: 47,40
C8	106 second version for 90° - 11 Nm - 50/60 Hz	230V: 16,60 110V/24V: 12,30
32	320 second version for 90° - 11 Nm - 50/60 Hz	230V: 18,10 110V/24V: 13,90

Manual emergency opening not available.

4 and 12 second versions, 60 Hz available on request.

Diamant 2000 ISO • ISO 5211 connection



i

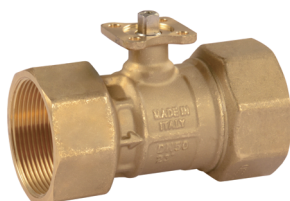
2-WAY FF, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC2S2P5	1/4"	90°	-	40	5,4	41,40
DC2R2P5	3/8"	90°	10	40	6	41,40
DC2A2P5	1/2"	90°	15	40	16,3	41,40
DC2B2P5	3/4"	90°	20	40	29,5	46,60
DC2C2P5	1"	90°	25	40	43	67,30
DC2D2P5	1"1/4 *	90°	32	40	89	95,60

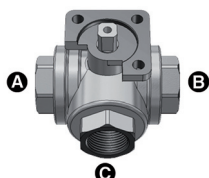
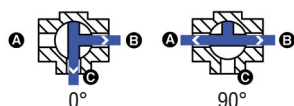
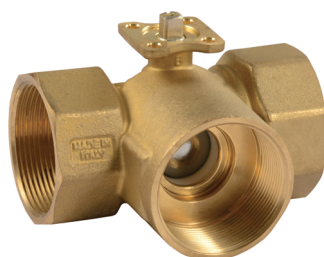
* maximum differential pressure 25 bar, for 40 bar please see Compact section
IT CANNOT BE MOTORISED WITH 4 SEC. ACTUATOR

2-WAY FF, reduced bore



CODE	CONNECTION		DN	PN	Kv _s	Δp max	€
DC2A2R5	1/2"	90°	15	16	17	3,4 bar	65,00
DC2B2R5	3/4"	90°	20	16	10,5	3,4 bar	68,90
DC2C2R5	1"	90°	25	16	18,7	3,4 bar	81,00
DC2D2R5	1"1/4	90°	32	16	27,9	3,4 bar	119,70
DC2E2R5	1"1/2	90°	40	16	25	3,4 bar	127,40
DC2F2R5	2"	90°	50	16	42,5	3,4 bar	183,40

3-WAY FFF, MIXING / DIVERTING, reduced bore

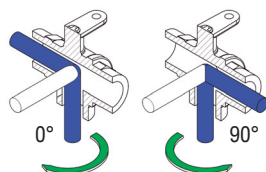


CODE	CONNECTION		DN	PN	Kv _s	Δp max	€
DC3A3R5	1/2"	90°	15	16	6	3,4 bar	108,80
DC3B3R5	3/4"	90°	20	16	4,8	3,4 bar	113,00
DC3C3R5	1"	90°	25	16	8,6	3,4 bar	136,50
DC3D3R5	1"1/4	90°	32	16	12,8	3,4 bar	180,60
DC3E3R5	1"1/2	90°	40	16	11,5	3,4 bar	195,70
DC3F3R5	2"	90°	50	16	19,5	3,4 bar	263,10

Diamant 2000 ISO • ISO 5211 connection



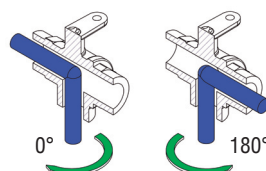
90° ROTATION 3-HOLE BALL • 3-WAY MMM MIXING / DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3A3E5	1/2"	90°	15	25	6	68,00
DC3B3E5	3/4"	90°	20	16	11,5	88,10
DC3C3E5	1" *	90°	25	16	18,3	119,90

* maximum differential pressure 10 bar, for 16 bar please see Compact section
IT CANNOT BE MOTORISED WITH 4 SEC. ACTUATOR

180° ROTATION 2-HOLE BALL • 3-WAY MMM DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3A2E5	1/2"	180°	15	25	6	68,00
DC3B2E5	3/4"	180°	20	16	11,5	88,10
DC3C2E5	1" *	180°	25	16	18,3	119,90

* maximum differential pressure 10 bar, for 16 bar please see Compact section
IT CANNOT BE MOTORISED WITH 4 SEC. ACTUATOR

Diamant 2000 ISO • ISO 5211 connection



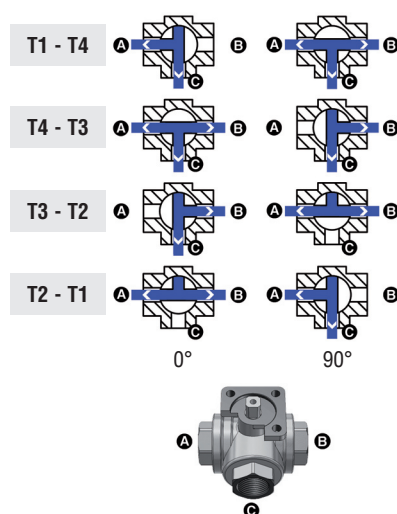
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"T"-PORT • 3-WAY FFF DIVERTING, full bore

CODE	CONNECTION		DN	PN	Kv _s	€
DC3S6E5	1/4"	90°	-	30	2,8	86,80
DC3R6E5	3/8"	90°	10	30	3	86,80
DC3A6E5	1/2"	90°	15	30	3,9	92,30
DC3B6E5	3/4" *	90°	20	30	7,9	143,20

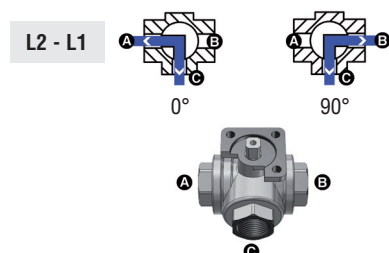
* maximum differential pressure 16 bar, for 30 bar please see Compact section
IT CANNOT BE MOTORISED WITH 4 SEC. ACTUATOR

BALL POSITIONING

**"L"-PORT • 3-WAY FFF DIVERTING**, full bore

CODE	CONNECTION		DN	PN	Kv _s	€
DC3S5E5	1/4"	90°	-	30	2,8	86,80
DC3R5E5	3/8"	90°	10	30	3	86,80
DC3A5E5	1/2"	90°	15	30	3,9	92,30
DC3B5E5	3/4" *	90°	20	30	7,9	143,20

* maximum differential pressure 16 bar, for 30 bar please see Compact section
IT CANNOT BE MOTORISED WITH 4 SEC. ACTUATOR



Microdiam**2-POINT or 3-POINT actuator**

- **TORQUE:** 5 Nm
- **OPERATING TIMES:** 48 sec 90°
- **CLASS PROTECTION:** IP44

- **FOR MANIFOLDS**
with INTERAXIS 50mm



Suitable for
Control Units
see p. 34



CODE	FOR BALL VALVE		POWER SUPPLY	€
2-POINT				
MR222N	2 WAY	90°	230V 50/60 Hz	105,70
MR242N	2 WAY	90°	24V 50/60 Hz	108,80
3-POINT				
MS222N	2 WAY	90°	230V 50/60 Hz	101,10
MS242N	2 WAY	90°	24V 50/60 Hz	104,00

2-WAY ball valve MF, with cap and tang, full bore

CODE	CONNECTION	DN	PN	Kv _s	€
MC2A2DN	1/2"	15	16	16,3	30,80
MC2B2DN	3/4"	20	16	29,5	37,20

2-POINT ON / OFF Motorised valve, 2-WAY MF, with cap and tang, full bore

- **OPERATING TIMES:** 48 sec 90°
- **CLASS PROTECTION:** IP44
- **POWER SUPPLY:** 230V • 50/60 Hz

- **FOR MANIFOLDS**
with INTERAXIS 50mm



Suitable for
Control Units
see p. 34



CODE	CONNECTION	DN	PN	Kv _s	€
MR222A2DN	1/2"	15	16	16,3	136,40
MR222B2DN	3/4"	20	16	29,5	145,70

Accessori

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price. Code example: MR222A2DN1

EXTRA MICRO-SWITCH



ID	DESCRIPTION	€
1	1 extra micro switch in opening position	11,30



3-WAY DIVERTING



- CLASS PROTECTION: IP67
- POWER SUPPLY: 230V 50/60 Hz
- 110V VERSION AVAILABLE ON REQUEST
- BUILT-IN ELECTRONICS

FUNCTIONS:

- Automatic switching between HP and boiler according to outdoor temperature
- Control of the diverting valve to the DHW heater
- Data storage of the working time of HP and boiler
- Modbus-RTU protocol for remote management
- Comparato PDCtool software for the communication between PC and Motorised valve



CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
MMM						
CLIMAPCDCB	3/4"	11,5	20	16	16 bar	759,00
CLIMAPCDCC	1"	18,3	25	16	16 bar	793,00
FFF						
CLIMAPCDFA	1/2"	6	15	25	25 bar	748,40
CLIMAPCDFB	3/4"	11,5	20	16	16 bar	767,10
CLIMAPCDFC	1"	18,3	25	16	16 bar	797,00
CLIMAPCCFD	1"1/4	27,2	32	10	10 bar	1.066,00
CLIMAPCCFE	1"1/2	47,3	40	10	6 bar	1.125,40
CLIMAPCCFF	2"	73	50	10	4 bar	1.266,70

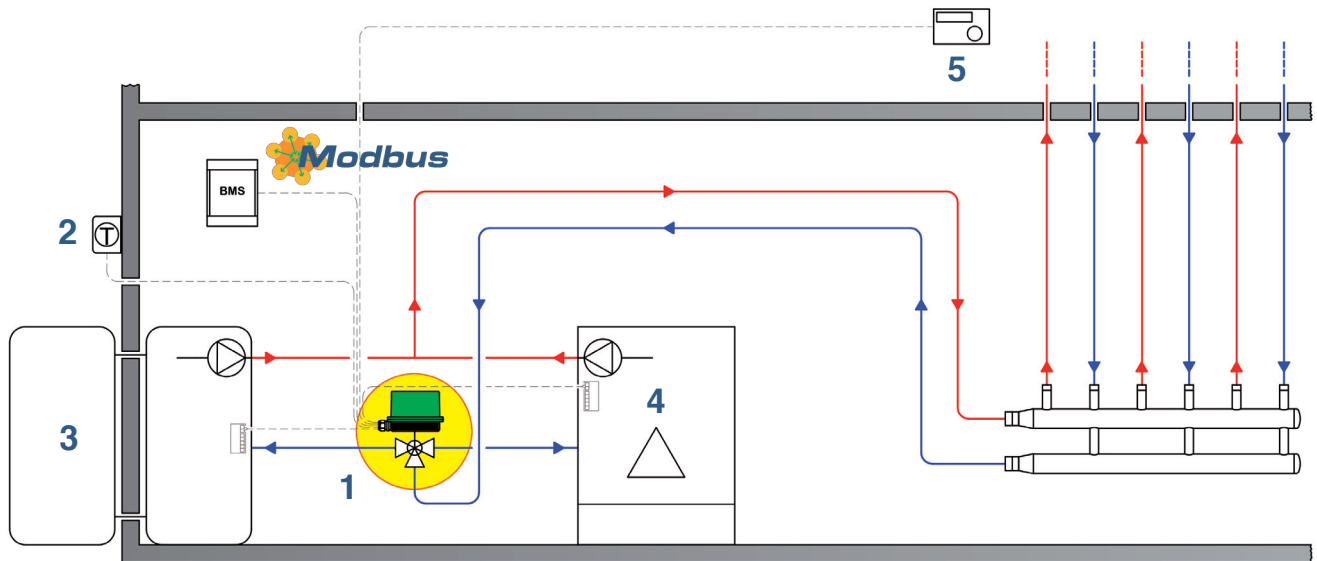
Accessori

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price. Code example: CLIMAPCDCBK

ID	DESCRIPTION	€	NOTES
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included
04	24V 50-60 Hz version	15,20	
D1	Spacer for insulation	41,10 85,40	up to 1" starting from 1"1/4
D2	Spacer for insulation and manual override	69,60 119,90	up to 1" starting from 1"1/4

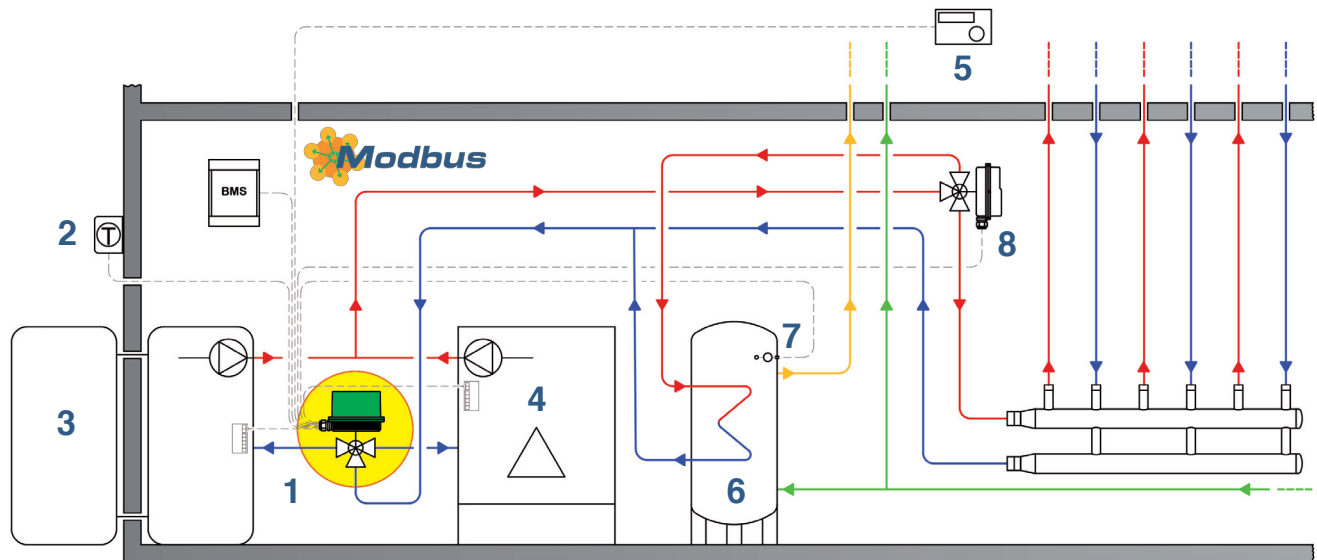
CODE	DESCRIPTION	€
USBMOD	Modbus - USB interface	38,00

EXAMPLE OF USE: HEAT PUMP / BOILER SWITCHING



- 1 : CLIMA PDC
- 2 : Outdoor temperature probe
- 3 : Heat pump
- 4 : Boiler
- 5 : Room thermostat

EXAMPLE OF USE: DIVERTING VALVE CONTROL FOR DHW BOILER



- 1 : CLIMA PDC
- 2 : Outdoor temperature probe
- 3 : Heat pump
- 4 : Boiler
- 5 : Room thermostat
- 6 : DHW heater
- 7 : DHW heater's temperature probe
- 8 : Diverting actuated valve

Regulation control units

high / medium temperature low temperature



PID electronic controlled temperature regulators for 3-POINT MODULATING motorised valves with Modbus-RTU remote management



REGULATORS CAN BE MATCHED WITH ALL COMPARATO MOTORISED VALVES WITH MODULATING 3-POINT CONTROL AND 230V POWER SUPPLY - MARKED WITH THE FOLLOWING SYMBOLS:



Suitable for
Control Units
see p. 34



Temperature probe included

FUNCTIONS:

- Fixed-point temperature control
- Temperature control with weather compensation function for high/medium temperature systems
- Fixed-point temperature control with remote setpoint setting (0-10V)

CODE	€
CPSMB0	412,10

FUNCTIONS:

- Temperature control for RADIANT PANELS
- Fixed-point or weather compensation heating
- Fixed-point or dew point tracking cooling
- Summer / winter switching
- Control of the indoor dehumidification system

CODE	€
CPRMB0	412,10

Accessories

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price. Code example: CPSMB0K

ID	DESCRIPTION	€
K	Brass immersion temperature probe (G 1/8" - pocket not included)	32,60

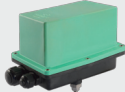
CODE	DESCRIPTION	€
RFSONDAE	External temperature probe for weather compensation	64,40

FOR CODE CPRMB0

CODE	DESCRIPTION	€
RFTRUEE10	Temperature and humidity probe for anti-condensing function	388,90

HVAC • INDUSTRIAL field

Motorised valves

	Actuators IP67 PRO RANGE	36
	Actuators IP68 PRO RANGE	40
	Actuators DC RANGE	44
	Actuators CLIMA RANGE CRONO RANGE	50
	Actuators PILOT RANGE	52
	Actuators SMART PRO RANGE	58
	Ball valves BRASS	66
	Ball valves AISI 316	70
	Ball valves PVC	72
	Motorised valves CAST IRON	79
	Motorised valves BUTTERFLY	82
	SPACERS and ACCESSORIES	84

Diamant P20 • COMPARATO connection

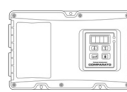


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ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP67

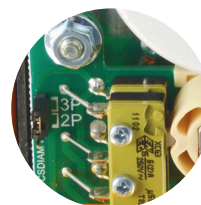
- 2 EXTRA MICRO SWITCHES



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY	€
DY222P2	2- or 3-WAY	90°	230V 50/60 Hz	184,20
DY212P2	2- or 3-WAY	90°	110V 50/60 Hz	190,90
DY242P2	2- or 3-WAY	90°	24V 50/60 Hz	190,90
DY322P2	3 WAY	180°	230V 50/60 Hz	184,20
DY312P2	3 WAY	180°	110V 50/60 Hz	190,90
DY342P2	3 WAY	180°	24V 50/60 Hz	190,90

COMPARATO connection

ADSTD1

ADSTD2



COMPARATO connection

DIDM01

DIDM02



COMPARATO connection

ISO F03/F04/F05
connection

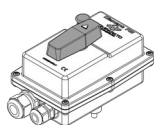
CODE	DESCRIPTION	€
ADSTD1	COMPARATO • COMPARATO spacer	42,30
ADSTD2 *	COMPARATO • COMPARATO spacer with manual override	71,80
DIDM01	COMPARATO • ISO 5211 spacer	46,80
DIDM02 *	COMPARATO • ISO 5211 spacer with opening lever	78,00

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY222P2A

MANUAL OVERRIDE



ID	DESCRIPTION	€
A	Emergency manual override	26,90

35-second version available

OPERATING TIMES



ID	DESCRIPTION	€
Q	4 second version for 90° - 5 Nm - 50 Hz	230V: 29,60 110V/24V: 41,80
D	12 second version for 90° - 11 Nm - 50 Hz	230V: 35,20 110V/24V: 47,40
C8	106 second version for 90° - 11 Nm - 50/60 Hz	230V: 16,60 110V/24V: 12,30
32	320 second version for 90° - 11 Nm - 50/60 Hz	230V: 18,10 110V/24V: 13,90

Emergency manual override not available. 4 and 12 second versions, 60 Hz available on request.

ANTI-CONDENSATION
KIT

ID	DESCRIPTION	€
R	Helps to prevent condensation	33,60

Not suitable for 4 and 12 second versions.

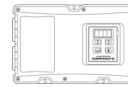
Diamant PRO ISO • ISO 5211 connection



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ALL IN ONE: 2-POINT • 3-POINT

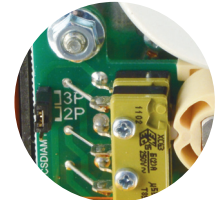
- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- MANUAL OPENING
- ISO 5211 F03 - F05 □ 9 - □ 11



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT

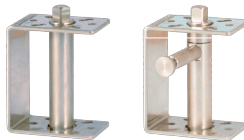


CODE	FOR BALL VALVE		POWER SUPPLY	€
DY222F2A	2- or 3-WAY	90°	230V 50/60 Hz	227,10
DY212F2A	2- or 3-WAY	90°	110V 50/60 Hz	234,30
DY242F2A	2- or 3-WAY	90°	24V 50/60 Hz	234,30
DY322F2A	3 WAY	180°	230V 50/60 Hz	227,10
DY312F2A	3 WAY	180°	110V 50/60 Hz	234,30
DY342F2A	3 WAY	180°	24V 50/60 Hz	234,30

ISO F03 / F05 connection

DIDM01ISO

DIDM02ISO



CODICE	DESCRIZIONE	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00
DIDM02ISO *	ISO 5211 • ISO 5211 spacer with opening lever	114,70

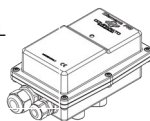
* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

ISO F03 / F04 / F05 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY222F2A**Q**

WITHOUT MANUAL
OVERRIDE



ID	DESCRIPTION	€
delete A	Without emergency manual override	minus 12,20

OPERATING TIMES



ID	DESCRIPTION	€
Q	4 second version for 90° - 5 Nm - 50 Hz	230V: 29,60 110V/24V: 41,80
D	12 second version for 90° - 11 Nm - 50 Hz	230V: 35,20 110V/24V: 47,40
C8	106 second version for 90° - 11 Nm - 50/60 Hz	230V: 16,60 110V/24V: 12,30
32	320 second version for 90° - 11 Nm - 50/60 Hz	230V: 18,10 110V/24V: 13,90

Emergency manual override not available. 4 and 12 second versions, 60 Hz available on request.

ANTI-CONDENSATION
KIT



ID	DESCRIPTION	€
R	Helps to prevent condensation	33,60

Not suitable for 4 and 12 second versions.

Compact PRO



ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 22 Nm
- **OPERATING TIMES:** 45 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- MANUAL OPENING
- ISO 5211 F03-F05 □9-□11



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT

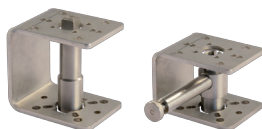


CODE	FOR BALL VALVE		POWER SUPPLY	€
CY2222P	2- or 3-WAY	90°	230V 50/60 Hz	338,80
CY2122P	2- or 3-WAY	90°	110V 50/60 Hz	353,30
CY2422P	2- or 3-WAY	90°	24V 50/60 Hz	353,30
CY3222P	3 WAY	180°	230V 50/60 Hz	338,80
CY3122P	3 WAY	180°	110V 50/60 Hz	353,30
CY3422P	3 WAY	180°	24V 50/60 Hz	353,30

ISO F03 / F05 connection

DICOM35

DICO05ADC



CODE	DESCRIPTION	€
DICOM35	ISO 5211 • ISO 5211 spacer	85,40
DICO05ADC *	ISO 5211 • ISO 5211 spacer with opening lever	119,80

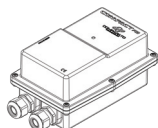
* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

ISO F03 / F04 / F05 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: CY2222PSA

WITHOUT MANUAL
OVERRIDE



ID	DESCRIPTION	€
SA	Without emergency manual override	minus 12,20

OPERATING TIMES



ID	DESCRIPTION	€
9	9 second version for 90° - 22 Nm - 50/60 Hz	230V: 133,30 110V/24V: 139,10

Emergency manual override not available.

ANTI-CONDENSATION
KIT



ID	DESCRIPTION	€
R	Helps to prevent condensation	33,60

Universal PRO

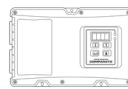


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ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 40 Nm
- **OPERATING TIMES:** 55 sec 90°
- **CLASS PROTECTION:** IP67

- 2 EXTRA MICRO SWITCHES
- MANUAL OPENING
- ISO 5211 F05-F07 □11-□14



Suitable for
Control Units
see p. 34



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY	€
UY2222P	2- or 3-WAY	90°	230V 50 Hz	481,30
UY2122P	2- or 3-WAY	90°	110V 50 Hz	485,50
UY2422P	2- or 3-WAY	90°	24V 50 Hz	485,50
UY3222P	3 WAY	180°	230V 50 Hz	481,30
UY3122P	3 WAY	180°	110V 50 Hz	485,50
UY3422P	3 WAY	180°	24V 50 Hz	485,50

versione 60 Hz a richiesta

ISO F05 / F07 connection

DICOM57

DICO07ADC



CODE	DESCRIPTION	€
DICOM57	ISO 5211 • ISO 5211 spacer	85,40
DICO07ADC *	ISO 5211 • ISO 5211 spacer with opening lever	119,80

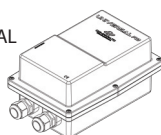
* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

ISO F03 / F04 / F05 / F07 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: UY2222PSA

WITHOUT MANUAL
OVERRIDE



ID	DESCRIPTION	€
SA	Without emergency manual override	minus 12,20

OPERATING TIMES



ID	DESCRIPTION	€
S	14 second version for 90° - 40 Nm - 50/60 Hz	on request
T	32 second version for 90° - 40 Nm - 50/60 Hz	on request

ANTI-CONDENSATION
KIT



ID	DESCRIPTION	€
R	Helps to prevent condensation	33,60

Diamant PRO IP68 • ISO 5211 connection

i

ALL IN ONE: 2 PUNTI • 3 PUNTI / WATERPROOF

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP68
- 2 EXTRA MICRO SWITCHES
- 1,5m CAVO FROR
- ISO 5211 F03 - F05 □9 - □11

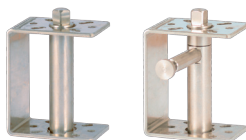


CODE	FOR BALL VALVE		POWER SUPPLY	€
DH2222P	2- or 3-WAY	90°	230V 50/60 Hz	278,60
DH2122P	2- or 3-WAY	90°	110V 50/60 Hz	285,70
DH2422P	2- or 3-WAY	90°	24V 50/60 Hz	285,70
DH3222P	3 WAY	180°	230V 50/60 Hz	278,60
DH3122P	3 WAY	180°	110V 50/60 Hz	285,70
DH3422P	3 WAY	180°	24V 50/60 Hz	285,70

ISO F03 / F05 connection

DIDM01ISO

DIDM02ISO

**ISO F03 / F04 / F05 connection**

CODE	DESCRIPTION	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00
DIDM02ISO	ISO 5211 • ISO 5211 spacer with opening lever	114,70

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DH2222P**Q**

OPERATING TIMES



ID	DESCRIPTION	€
Q	4 second version for 90° - 5 Nm - 50 Hz	230V: 29,60 110V/24V: 41,80
D	12 second version for 90° - 11 Nm - 50 Hz	230V: 35,20 110V/24V: 47,40
C8	106 second version for 90° - 11 Nm - 50/60 Hz	230V: 16,60 110V/24V: 12,30
32	320 second version for 90° - 11 Nm - 50/60 Hz	230V: 18,10 110V/24V: 13,90

4 and 12 second versions, 60 Hz available on request.

Actuator

Compact PRO IP68



ALL IN ONE: 2 PUNTI • 3 PUNTI / WATERPROOF

- **TORQUE:** 22 Nm
- **OPERATING TIMES:** 45 sec 90°
- **CLASS PROTECTION:** IP68
- 2 EXTRA MICRO SWITCHES
- 1,5m CAVO FROR
- ISO 5211 F03 - F05 □9 - □11



CODE	FOR BALL VALVE		POWER SUPPLY	€
CH2222P	2- or 3-WAY	90°	230V 50/60 Hz	417,10
CH2122P	2- or 3-WAY	90°	110V 50/60 Hz	431,70
CH2422P	2- or 3-WAY	90°	24V 50/60 Hz	431,70
CH3222P	3 WAY	180°	230V 50/60 Hz	417,10
CH3122P	3 WAY	180°	110V 50/60 Hz	431,70
CH3422P	3 WAY	180°	24V 50/60 Hz	431,70

ISO F03 / F05 connection

DICO035

DICO05ADC



CODE	DESCRIPTION	€
DICO035	ISO 5211 • ISO 5211 spacer	85,40
DICO05ADC	ISO 5211 • ISO 5211 spacer with opening lever	119,80

ISO F03 / F04 / F05 connection

Universal PRO IP68



ALL IN ONE: 2-POINT • 3-POINT / WATERPROOF

- **TORQUE:** 40 Nm
- **OPERATING TIMES:** 55 SEC 90°
- **CLASS PROTECTION:** IP68
- 2 EXTRA MICRO SWITCHES
- 1,5m CAVO FROR
- ISO 5211 F05 - F07 □11 - □14



CODE	FOR BALL VALVE		POWER SUPPLY	€
UH2222P	2- or 3-WAY	90°	230V 50 Hz	559,70
UH2122P	2- or 3-WAY	90°	110V 50 Hz	563,70
UH2422P	2- or 3-WAY	90°	24V 50 Hz	563,70
UH3222P	3 WAY	180°	230V 50 Hz	559,70
UH3122P	3 WAY	180°	110V 50 Hz	563,70
UH3422P	3 WAY	180°	24V 50 Hz	563,70

ISO F05 / F07 connection

DICOM57

DICO07ADC

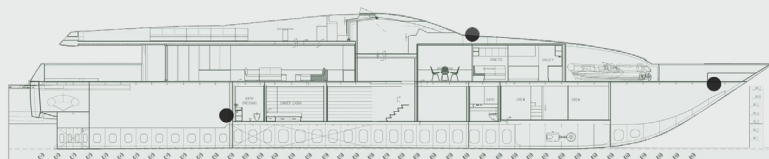


CODE	DESCRIPTION	€
DICOM57	ISO 5211 • ISO 5211 spacer	85,40
DICO07ADC	ISO 5211 • ISO 5211 spacer with opening lever	119,80

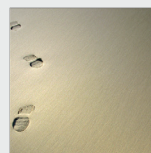
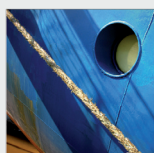
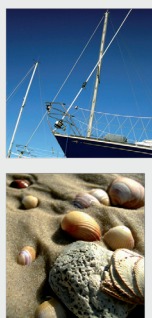
ISO F03 / F04 / F05 / F07 connection

NAUTICAL Sector

Motorised valves for: seacocks, decantation tanks, chains washing systems, motorised bilge pumping systems, waste water and grey water systems, deviation of onboard water, mixed DHW, automatic water storage in onboard tanks (ex. desalination systems), embark of safe drinking water, ballast pumping systems, oil systems, sludge systems, window washing systems, motorised manifolds for bilge pumping aspiration systems, general fluid regulation.



● Motorised valve application



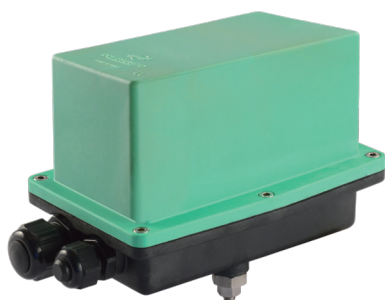
- 1 Seacocks detail
- 2 RISER: nautical exhaust system
- 3 Bilge pumping aspiration systems

Diamant DC • COMPARATO connection

i

ALL IN ONE: 2-POINT • 3-POINT / DIRECT CURRENT

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 12 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- For DC versions with **MANUAL OVERRIDE** on the top, **PROPORTIONAL CONTROL** and **FAIL SAFE** see DIAMANT PILOT p. 52



CODE	FOR BALL VALVE		POWER SUPPLY	€
DY252PC	2- or 3-WAY	90°	12V DC	197,60
DY242PC	2- or 3-WAY	90°	24V DC	
DY352PC	3 WAY	180°	12V DC	
DY342PC	3 WAY	180°	24V DC	



CODE	DESCRIPTION	€
ADSTD1	COMPARATO • COMPARATO spacer	42,30
ADSTD2 *	COMPARATO • COMPARATO spacer with manual override	71,80
DIDM01	COMPARATO • ISO 5211 spacer	46,80
DIDM02 *	COMPARATO • ISO 5211 spacer with opening lever	78,00

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY252PC1

OPERATING TIMES



ID	DESCRIPTION	€
1	1 second version for 90° - 5 Nm	12,40
T	3 second version for 90° - 11 Nm	
C	5 ssecond version for 90° - 11 Nm	
S	8 second version for 90° - 11 Nm	
3	30 second version for 90° - 11 Nm	

Diamant DC ISO • ISO 5211 connection



i

ALL IN ONE: 2-POINT • 3-POINT / DIRECT CURRENT

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 12 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- For DC versions with MANUAL OVERRIDE on the top, PROPORTIONAL CONTROL and FAIL SAFE see DIAMANT PILOT p. 52
- ISO 5211 F03 - F05 □9 - □11



CODE	FOR BALL VALVE		POWER SUPPLY	€
DY252PCF	2- or 3-WAY	90°	12V DC	213,60
DY242PCF	2- or 3-WAY	90°	24V DC	
DY352PCF	3 WAY	180°	12V DC	
DY342PCF	3 WAY	180°	24V DC	

ISO F03 / F05 connection

DIDM01ISO

DIDM02ISO



CODE	DESCRIPTION	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00
DIDM02ISO	ISO 5211 • ISO 5211 spacer with opening lever	114,70

ISO F03 / F04 / F05 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DY252PCF1

OPERATING TIMES



ID	DESCRIPTION	€
1	1 second version for 90° - 5 Nm	12,40
T	3 second version for 90° - 11 Nm	
C	5 second version for 90° - 11 Nm	
S	8 second version for 90° - 11 Nm	
3	30 second version for 90° - 11 Nm	

Actuator

Compact DC



ALL IN ONE: 2-POINT • 3-POINT / DIRECT CURRENT

- **TORQUE:** 22 Nm
- **OPERATING TIMES:** 30 sec 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- For DC versions with MANUAL OVERRIDE on the top, PROPORTIONAL CONTROL and FAIL SAFE see COMPACT PILOT p. 54
- ISO 5211 F03 - F05 □ 9 - □ 11



CODE	FOR BALL VALVE		POWER SUPPLY	€
CY252PC	2- or 3-WAY	90°	12V DC	366,20
CY242PC	2- or 3-WAY	90°	24V DC	
CY352PC	3 WAY	180°	12V DC	
CY342PC	3 WAY	180°	24V DC	

ISO F03 / F05 connection

DICOM35

DICO05ADC



CODE	DESCRIPTION	€
DICOM35	ISO 5211 • ISO 5211 spacer	85,40
DICO05ADC	ISO 5211 • ISO 5211 spacer with opening lever	119,80

ISO F03 / F04 / F05 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and the price remains unchanged. Code example: CY252PCD

OPERATING TIMES



ID	DESCRIPTION
D	10 second version for 90° - 22 Nm

Universal DC



i

ALL IN ONE: 2-POINT • 3-POINT / DIRECT CURRENT

- **TORQUE:** 40 Nm
- **OPERATING TIMES:** 20 sec 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- For DC versions with MANUAL OVERRIDE on the top, PROPORTIONAL CONTROL and FAIL SAFE see UNIVERSAL PILOT p. 56
- ISO 5211 F05 - F07 □ 11 - □ 14



CODE	FOR BALL VALVE		POWER SUPPLY	€
UY252PC	2- or 3-WAY	90°	12V DC	463,00
UY242PC	2- or 3-WAY	90°	24V DC	
UY352PC	3 WAY	180°	12V DC	
UY342PC	3 WAY	180°	24V DC	

ISO F05 / F07 connection

DICOM57

DICO07ADC



CODE	DESCRIPTION	€
DICOM57	ISO 5211 • ISO 5211 spacer	85,40
DICO07ADC	ISO 5211 • ISO 5211 spacer with opening lever	119,80

ISO F03 / F04 / F05 / F07 connection

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and the price remains unchanged. Code example: UY252PC7

OPERATING TIMES



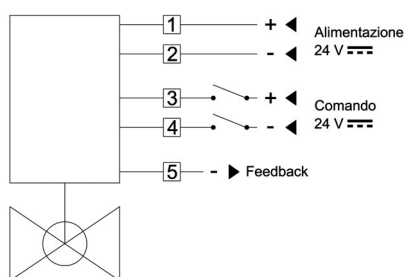
ID	DESCRIPTION
7	70 second version for 90° - 40 Nm

**ON / OFF functioning • LIVESTOCK FARMS**

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 1,5 sec 90°
- **CLASS PROTECTION:** IP67
- **POWERED-ON FEEDBACK WITH OPEN VALVE**
- **ISO 5211 F03-F05** □ 9 - □ 11
- **THE ACTUATORS ARE SUPPLIED IN CLOSING POSITION**

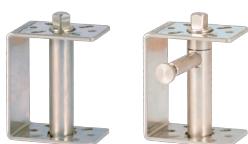


CODE	FOR BALL VALVE		POWER SUPPLY	€
DY242ZC	2- or 3-WAY	90°	24V DC	205,80

**ISO F03 / F05 connection**

DIDM01ISO

DIDM02ISO

**ISO F03 / F04 / F05 connection**

CODE	DESCRIPTION	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00
DIDM02ISO	ISO 5211 • ISO 5211 spacer with opening lever	114,70

Accessories

POWER CABLE



CODE	DESCRIPTION	€
RFCVAVZ00	Cable with M12 female connector • 5 poles • 1,5m length	18,90

BALL VALVE

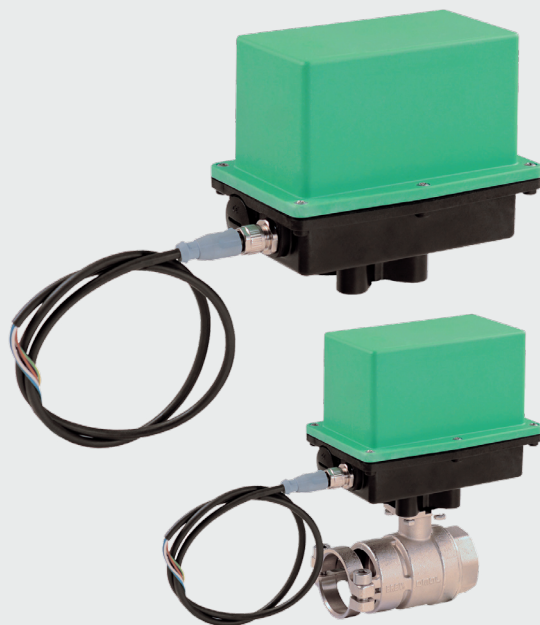


CODE	DESCRIPTION	€
DC2D2Z5	Brass ball valve DN32 with fast connection for LIVESTOCK FARMS	on request

LIVESTOCK farms

DIAMANT DC ZOOTECH

MOTORISED VALVE



- 24V DC power supply
- ON/OFF functioning ultra-fast - 1,5 sec.
- High starting torque - 14 Nm
- Specific electric control for power supply management systems
- Electrical connections via M12 connector or terminal block
- Integrated overload protection
- Position feedback via dry contacts or output phases for valve open and closed
- IP67 class protection
- External housing in technopolymer for aggressive environments
- Stainless steel external components
- Silicone seals
- ISO 5211 F03/F05 connection to the valve



Diamant CLIMA • Compact CLIMA



ELECTRONIC THERMOSTAT included

All applications in which the valve manoeuvring depends on **DETECTED TEMPERATURE**

- **OPERATING TIMES:**
DIAMANT CLIMA 35 SEC 90° - 11 Nm
COMPACT CLIMA 45 SEC 90° - 22 Nm
- **CLASS PROTECTION:** IP67
- **110V VERSION ON REQUEST**



CODE	V	€
DIAMANT CLIMA • COMPARATO connection		
CLIMA230D	230V 50 / 60 Hz	428,50
CLIMA24D	24V 50 / 60 Hz	444,50

For SPACERS see p. 36



CODE	V	€
DIAMANT CLIMA • ISO 5211 connection		
CLIMA230DF	230V 50 / 60 Hz	444,50
CLIMA24DF	24V 50 / 60 Hz	459,00

For SPACERS see p. 37



CODE	V	€
COMPACT CLIMA		
CLIMA230C	230V 50 / 60 Hz	576,20
CLIMA24C	24V 50 / 60 Hz	592,10

For SPACERS see p. 38

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: CLIMA230D8

ID	DESCRIPTION	€	NOTES
8	Optional input / outlet cable	18,00	
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included

CODE	DESCRIPTION	€	
RFSONDAE	Brass immersion temperature probe	64,40	

Diamant CRONO • Compact CRONO



i

PROGRAM CLOCK onboard

All applications in which the valve manoeuvring must be at **INTERVALS** or **SCHEDULED**

- **OPERATING TIMES:**
DIAMANT CRONO 35 SEC 90° - 11 Nm
COMPACT CRONO 45 SEC 90° - 22 Nm
- **CLASS PROTECTION:** IP67
- **110V VERSION ON REQUEST**



CODE	V	€
DIAMANT CRONO • COMPARATO connection • DAY version		
CRONO230DD	230V 50 / 60 Hz	397,60
CRONO24DD	24V 50 / 60 Hz	413,20
DIAMANT CRONO • COMPARATO connection • WEEK version		
CRONO230DW	230V 50 / 60 Hz	397,60
CRONO24DW	24V 50 / 60 Hz	413,20

For SPACERS see p. 36



CODE	V	€
DIAMANT CRONO • ISO 5211 connection • DAY version		
CRONO230DDF	230V 50 / 60 Hz	413,20
CRONO24DDF	24V 50 / 60 Hz	428,60
DIAMANT CRONO • ISO 5211 connection • WEEK version		
CRONO230DWF	230V 50 / 60 Hz	413,20
CRONO24DWF	24V 50 / 60 Hz	428,60

For SPACERS see p. 37



CODE	V	€
COMPACT CRONO • DAY version		
CRONO230CD	230V 50 / 60 Hz	547,30
CRONO24CD	24V 50 / 60 Hz	562,20
COMPACT CRONO • WEEK version		
CRONO230CW	230V 50 / 60 Hz	547,30
CRONO24CW	24V 50 / 60 Hz	562,20

For SPACERS see p. 38

Diamant PILOT



i

TABLE for code configuration

- **TORQUE:** 11 Nm
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department



0 DIAMANT PILOT		€
DP	Diamant PILOT	415,30
1 CONTROL TYPE		€
Y	2 - 3 point ON-OFF	00,00
T	3 positions 0° - 45° - 90°	00,00
S	3 positions 0° - 90° - 180°	00,00
A	0 - 20 mA	00,00
B	4 - 20 mA	00,00
V	0 - 10V	00,00
W	2 - 10V	00,00
P	PWM1	00,00
Q	PWM2	00,00
2 ROTATION ANGLE		€
2 *	90°	00,00
3 *	180°	00,00
3 POWER SUPPLY		€
2	100... 240V 50/60 Hz	136,80
4	24V AC/DC	000,00
5 **	12V DC	000,00
4 CONNECTION TO THE BALL VALVE		€
C	Comparato connection	00,00
F	ISO 5211 F03-F05 □9-□11 connection	16,10
5 FAIL SAFE IN CASE OF POWER FAILURE		€
A	opening position	142,20
C	closing position	142,20
I	intermediate position	142,20
0	not present	000,00
6 EMERGENCY MANUAL OPENING		€
A	present	00,00
7 OPERATING TIME		€
Q ***	15 sec / 90°	00,00
T	30 sec / 90°	00,00
S	60 sec / 90°	00,00
C	120 sec / 90°	00,00
8 HEATING RESISTANCE		€
R	present	00,00
0	not present	00,00

* option n.2 is mandatory for the 3-position 0°-45°-90° control, option n.3 is mandatory for the 0°-90°-180° control

** not available with 15 sec operating time

*** not available with 12V DC power supply



COMPARATO CONNECTION



ISO 5211 CONNECTION

CODE EXAMPLE

0	1	2	3	4	5	6	7	8
DP	W	2	2	F	C	A	S	R

COMPARATO connection

ADSTD1



COMPARATO connection

DIDM01



COMPARATO connection

ISO F03/F04/F05 connection

ISO F03 / F05 connection

DIDM01ISO



ISO F03 / F04 / F05 connection

CODE	DESCRIPTION	€
ADSTD1	COMPARATO • COMPARATO spacer	42,30
DIDM01	COMPARATO • ISO 5211 spacer	46,80

CODE	DESCRIPTION	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00

Compact PILOT



TABLE for code configuration

- **TORQUE:** 22 Nm
- **CLASS PROTECTION:** IP67
- ISO 5211 F03 - F05 □9 - □11
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department



0 COMPACT PILOT		€
CP	Compact PILOT	533,90
1 CONTROL TYPE		€
Y	2 - 3 point ON-OFF	00,00
T	3 positions 0° - 45° - 90°	00,00
S	3 positions 0° - 90° - 180°	00,00
A	0 - 20 mA	00,00
B	4 - 20 mA	00,00
V	0 - 10V	00,00
W	2 - 10V	00,00
P	PWM1	00,00
Q	PWM2	00,00
2 ROTATION ANGLE		€
2 *	90°	00,00
3 *	180°	00,00
3 POWER SUPPLY		€
2	100... 240V 50/60 Hz	136,80
4	24V AC/DC	000,00
5 **	12V DC	000,00
4 CONNECTION TO THE BALL VALVE		€
F	ISO 5211 F03-F05 □9-□11 connection	00,00
5 FAIL SAFE IN CASE OF POWER FAILURE		€
A	opening position	175,80
C	closing position	175,80
I	intermediate position	175,80
0	not present	000,00
6 EMERGENCY MANUAL OPENING		€
A	present	00,00
7 OPERATING TIME		€
Q ***	15 sec / 90°	00,00
T	30 sec / 90°	00,00
S	60 sec / 90°	00,00
C	120 sec / 90°	00,00
8 HEATING RESISTANCE		€
R	present	00,00
0	not present	00,00

* option n.2 is mandatory for the 3-position 0°-45°-90° control, option n.3 is mandatory for the 0°-90°-180° control

** not available with 15 sec operating time

*** not available with 12V DC power supply



ISO F03 / F04 / F05 connection

DICOM35	ISO 5211 • ISO 5211 spacer	85,40
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- Please always quote our part number on the order • Technical data sheets are available on the web site www.comparato.com

Universal PILOT



TABLE for code configuration

- TORQUE: 40 Nm
- CLASS PROTECTION: IP67
- ISO 5211 F05 - F07 □11 - □14
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department



0 UNIVERSAL PILOT		€
UP	Universal PILOT	754,30
1 CONTROL TYPE		€
Y	2 - 3 point ON-OFF	00,00
T	3 positions 0° - 45° - 90°	00,00
S	3 positions 0° - 90° - 180°	00,00
A	0 - 20 mA	00,00
B	4 - 20 mA	00,00
V	0 - 10V	00,00
W	2 - 10V	00,00
P	PWM1	00,00
Q	PWM2	00,00
2 ROTATION ANGLE		€
2 *	90°	00,00
3 *	180°	00,00
3 POWER SUPPLY		€
2	100... 240V 50/60 Hz	136,80
4	24V AC/DC	000,00
5	12V DC	000,00
4 CONNECTION TO THE BALL VALVE		€
F	ISO 5211 F05-F07 □11-□14 connection	00,00
5 FAIL SAFE IN CASE OF POWER FAILURE		€
A **	opening position	175,80
C **	closing position	175,80
I **	intermediate position	175,80
0	not present	000,00
6 EMERGENCY MANUAL OPENING		€
A	present	00,00
7 OPERATING TIME		€
T	30 sec / 90°	00,00
S	60 sec / 90°	00,00
C	120 sec / 90°	00,00
8 HEATING RESISTANCE		€
R	present	00,00
0	not present	00,00

* option n.2 is mandatory for the 3-position 0°-45°-90° control, option n.3 is mandatory for the 0°-90°-180° control

** for Fail Safe with 180° rotation control, please contact our Technical Department



● ● ● ● ● ● ● ● ● ● ● ●

DICOM57[illegible]

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Diamant SMART PRO



i

TABLE for code configuration

- **TORQUE:** 11 Nm
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department



0 DIAMANT SMART PRO		€
DSP	Diamant SMART PRO	415,20
1 ROTATION ANGLE		€
2	90°	00,00
3	180°	00,00
2 POWER SUPPLY		€
2	100... 240V 50/60 Hz	136,80
4	12-24V AC/DC	000,00
3 CONNECTION TO THE BALL VALVE		€
C	Comparato connection	00,00
F	ISO 5211 F03-F05 ☐ 9- ☐ 11 connection	16,10
4 COMMUNICATION TYPE		€
M	Modbus	000,00
W	Wi-Fi	105,50
5 FAIL SAFE IN CASE OF POWER FAILURE		€
F	present	142,30
0	not present	000,00
6 EMERGENCY MANUAL OPENING		€
A	present	00,00



FAIL SAFE FOCUS p. 64



Wi-Fi FOCUS p. 64



INTEGRATED WEB SERVER
NO APP NEEDED FOR THE CONNECTION

[illegible]

CODE	DESCRIPTION	€
ADSTD1	COMPARATO • COMPARATO spacer	42,30
DIDM01	COMPARATO • ISO 5211 spacer	46,80



CODE	DESCRIPTION	€
DIDM01ISO	ISO 5211 • ISO 5211 spacer	72,00

Compact SMART PRO



i

TABLE for code configuration

- **TORQUE:** 22 Nm
- **CLASS PROTECTION:** IP67
- ISO 5211 F03 - F05 □9 - □11
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department

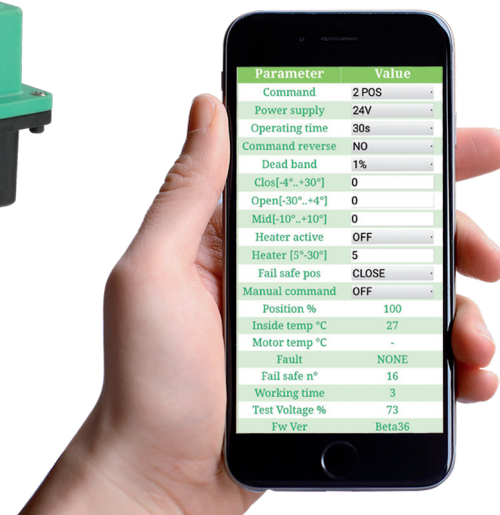


0	COMPACT SMART PRO	€
CSP	Compact SMART PRO	533,80
1	ROTATION ANGLE	€
2	90°	00,00
3	180°	00,00
2	POWER SUPPLY	€
2	100... 240V 50/60 Hz	136,80
4	12 - 24V AC/DC	000,00
3	CONNECTION TO THE BALL VALVE	€
F	ISO 5211 F03-F05 □9-□11 connection	00,00
4	COMMUNICATION TYPE	€
M	Modbus	000,00
W	Wi-Fi	105,50
5	FAIL SAFE IN CASE OF POWER FAILURE	€
F	present	175,80
0	not present	000,00
6	EMERGENCY MANUAL OPENING	€
A	present	00,00

FAIL SAFE FOCUS p. 64



Wi-Fi FOCUS p. 64



INTEGRATED WEB SERVER
NO APP NEEDED FOR THE CONNECTION

CODE EXAMPLE

0	1	2	3	4	5	6
CSP	2	4	F	M	F	A

The diagram illustrates a sequence of events over time, represented by a table and a corresponding grid of dots. The table has columns labeled 0 through 6 and rows labeled CSP, 2, 4, F, M, F, and A. The grid of dots below the table shows the state of the system at each time step. Yellow dots indicate a specific state, while grey dots indicate another state. The dots are arranged in a way that shows the progression of the system over time, with yellow dots indicating a specific state and grey dots indicating another state.



CODE	DESCRIPTION	€
DICOM35	ISO 5211 • ISO 5211 spacer	85,40

Universal SMART PRO



i

TABLE for code configuration

- COPPIA: 40 Nm
- GRADO DI PROTEZIONE: IP67
- ISO 5211 F05 - F07 □11 - □14
- 2 EXTRA MICRO SWITCHES AND POSITIONING FEEDBACK 2-10V
- For version without manual opening please contact our Technical Department



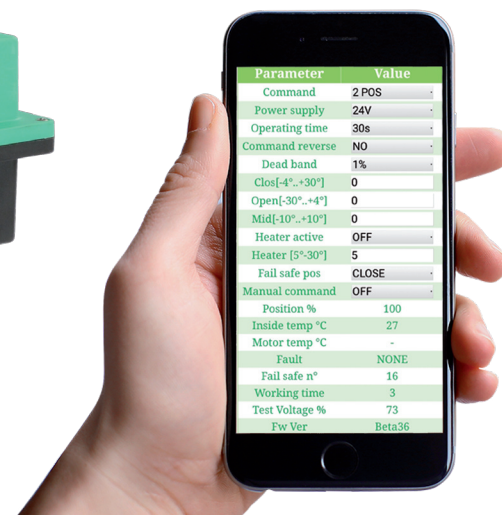
0	UNIVERSAL SMART PRO	€
USP	Universal SMART PRO	754,40
1	ROTATION ANGLE	€
2	90°	00,00
3	180°	00,00
2	POWER SUPPLY	€
2	100... 240V 50/60 Hz	136,80
4	12 - 24V AC/DC	000,00
3	CONNECTION TO THE BALL VALVE	€
F	ISO 5211 F05-F07 □11-□14 connection	00,00
4	COMMUNICATION TYPE	€
M	Modbus	000,00
W	Wi-Fi	105,50
5	FAIL SAFE IN CASE OF POWER FAILURE	€
F *	present	175,80
0	not present	000,00
6	EMERGENCY MANUAL OPENING	€
A	present	00,00

* for Fail Safe with 180° rotation control, please contact our Technical Department

FAIL SAFE FOCUS p. 64

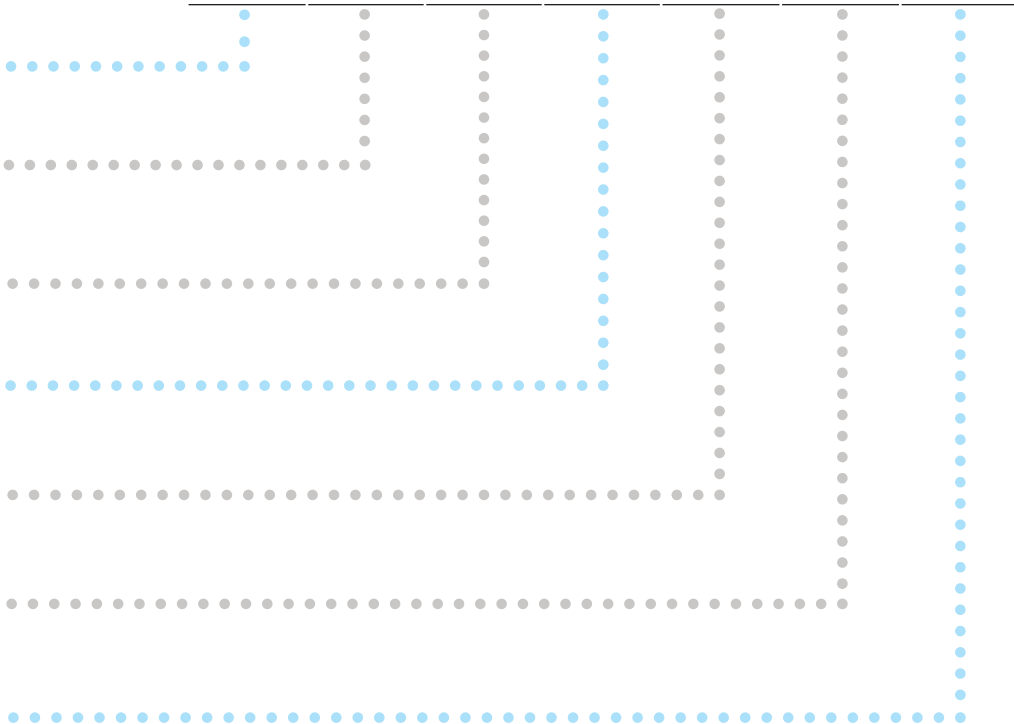


Wi-Fi FOCUS p. 64



INTEGRATED WEB SERVER
NO APP NEEDED FOR THE CONNECTION

CODE EXAMPLE						
0	1	2	3	4	5	6
USP	2	4	F	M	F	A



ISO F05 / F07 connection

DICOM57

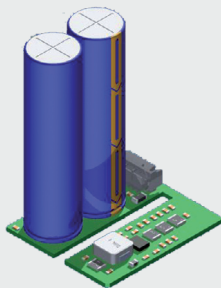


ISO F03 / F04 / F05 / F07 connection

CODE	DESCRIPTION	€
DICOM57	ISO 5211 • ISO 5211 spacer	85,40

SMART PRO / PILOT

FAIL SAFE FOCUS



This system stores energy and then uses it to move the actuator in a “safe” position in case of power failure.



The supercapacitor technology ensures fast recharging times and reliability over time.



Thanks to a Wi-Fi or Modbus communication interface, you can select the safety position (open, closed, mid-position), check the charge status and display the number of times any power failure occurred.

SMART PRO

WI-FI FOCUS

INTEGRATED WEB SERVER
no APP needed for the connection

Functioning setup

Local control

Monitoring

Diagnostics



SMART PRO

COMPARATO CLOUD

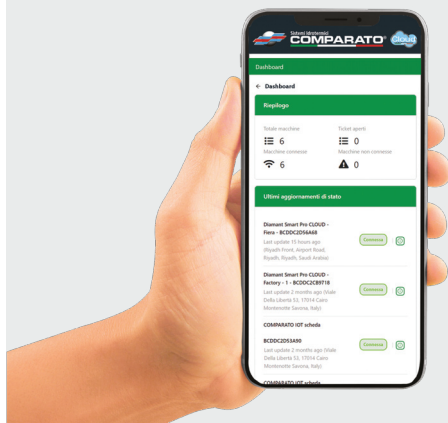
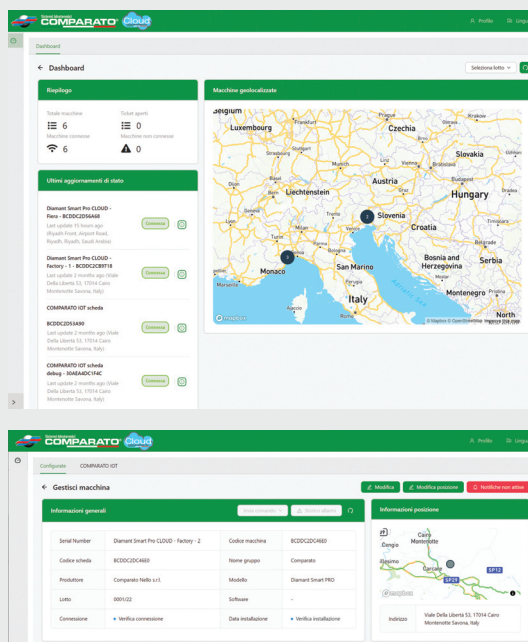
INNOVATIVE MANAGEMENT MADE IN COMPARATO

MULTIFUNCTIONAL SMART PRO ACTUATORS completely controlled thanks to **COMPARATO CLOUD**. The Wi-Fi gateway installed inside Smart PRO actuators allows the connection to any Wi-Fi or Ethernet network, creating a direct link between actuated valve and **COMPARATO CLOUD**.



DIAMANT SMART PRO CLOUD

COMPARATO CLOUD is a web platform designed for forwarding commands and for getting information from the connected actuated valves, and for processing data to make it available for the user, creating an advanced IoT infrastructure for remote management.



Diamant PRO • COMPARATO connection



i

2-WAY MM, full bore



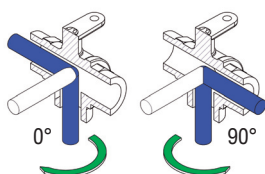
CODE	CONNECTION		DN	PN	Kv _s	€
DC2A2A	1/2"	90°	15	16	16,3	43,60
DC2B2A	3/4"	90°	20	16	29,5	53,20
DC2C2A	1"	90°	25	16	43	81,10

90° ROTATION 3-HOLE BALL • 3-WAY MMM MIXING / DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3B3A	3/4"	90°	20	16	11,5	87,90
DC3C3A	1"	90°	25	16	18,3	128,00

3-hole version to be combined with the 90° version actuator

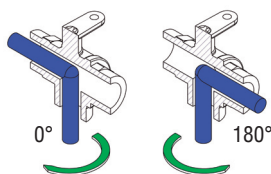


180° ROTATION 2-HOLE BALL • 3-WAY MMM DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DC3B2A	3/4"	180°	20	16	11,5	87,90
DC3C2A	1"	180°	25	16	18,3	128,00

2-hole version to be combined with the 180° version actuator



P20 Range • ISO 5211 connection



i

2-WAY FF, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC2S2P5	1/4"	90°	-	40	5,4	41,40
DC2R2P5	3/8"	90°	10	40	6	41,40
DC2A2P5	1/2"	90°	15	40	16,3	41,40
DC2B2P5	3/4"	90°	20	40	29,5	46,60
DC2C2P5	1"	90°	25	40	43	67,30
DC2D2P5	1"1/4 *	90°	32	40	89	95,60

* maximum differential pressure 25 bar, for 40 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC2D2P5	1"1/4	90°	32	40	89	95,60
UC2E2M5	1"1/2	90°	40	40	230	129,00
UC2F2M5	2" **	90°	50	40	265	209,20

** maximum differential pressure 25 bar, for 40 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC2F2M5	2"	90°	50	40	265	209,20
UC2G2M5	2"1/2	90°	65	25	540	363,40
UC2H2M5	3"	90°	80	16	873	526,50
UC2I2M5	4" ***	90°	100	16	1.390	925,40

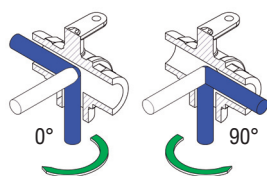
*** maximum differential pressure 6 bar

P20 Range • ISO 5211 connection



i

90° ROTATION 3-HOLE BALL • 3-WAY FFF MIXING / DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3A3E5	1/2"	90°	15	25	6	68,00
DC3B3E5	3/4"	90°	20	16	11,5	88,10
DC3C3E5	1" *	90°	25	16	18,3	119,90

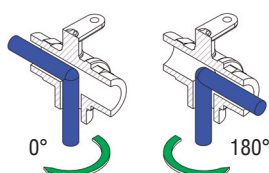
* maximum differential pressure 25 bar, for 40 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3C3E5	1"	90°	25	16	18,3	119,90
UC3D3E5	1"1/4	90°	32	10	27,2	185,40
UC3E3E5	1"1/2 **	90°	40	10	47,3	247,80

** maximum differential pressure 6 bar, for 10 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3E3E5	1"1/2	90°	40	10	47,3	247,80
UC3F3E5	2"	90°	50	10	73	394,00

180° ROTATION 2-HOLE BALL • 3-WAY FFF DIVERTING, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3A2E5	1/2"	180°	15	25	6	68,00
DC3B2E5	3/4"	180°	20	16	11,5	88,10
DC3C2E5	1" *	180°	25	16	18,3	119,90

* maximum differential pressure 25 bar, for 40 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3C2E5	1"	180°	25	16	18,3	119,90
UC3D2E5	1"1/4	180°	32	10	27,2	185,40
UC3E2E5	1"1/2 **	180°	40	10	47,3	247,80

** maximum differential pressure 6 bar, for 10 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3E2E5	1"1/2	180°	40	10	47,3	247,80
UC3F2E5	2"	180°	50	10	73	394,00

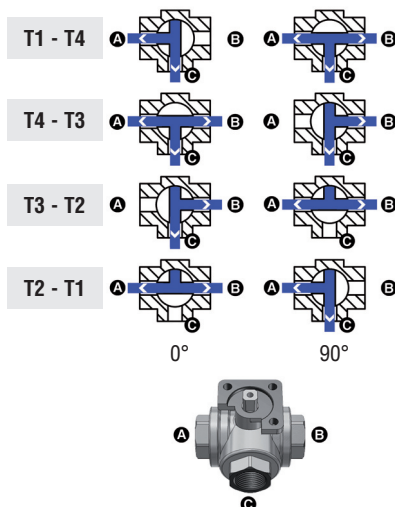
P20 Range • ISO 5211 connection



"T"-PORT • 3-WAY FFF DIVERTER, full bore



BALL POSITIONING



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3S6E5	1/4"	90°	-	30	2,8	86,80
DC3R6E5	3/8"	90°	10	30	3	86,80
DC3A6E5	1/2"	90°	15	30	3,9	92,30
DC3B6E5	3/4" *	90°	20	30	7,9	143,20

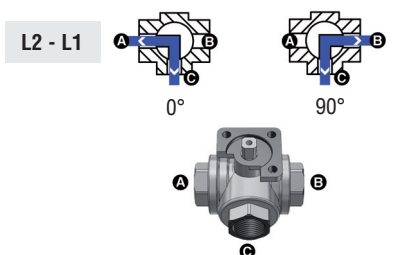
* maximum differential pressure 25 bar, for 40 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3B6E5	3/4"	90°	20	30	7,9	143,20
UC3C6E5	1"	90°	25	16	13	219,00
UC3D6E5	1"1/4 **	90°	32	10	20,7	347,10

** maximum differential pressure 6 bar, for 10 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3D6E5	1"1/4	90°	32	10	20,7	347,10
UC3E6E5	1"1/2	90°	40	10	38,7	512,30
UC3F6E5	2"	90°	50	10	54	911,40

"L"-PORT • 3-WAY FFF DIVERTER, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3S5E5	1/4"	90°	-	30	2,8	86,80
DC3R5E5	3/8"	90°	10	30	3	86,80
DC3A5E5	1/2"	90°	15	30	3,9	92,30
DC3B5E5	3/4" *	90°	20	30	7,9	143,20

* maximum differential pressure 25 bar, for 40 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3B5E5	3/4"	90°	20	30	7,9	143,20
UC3C5E5	1"	90°	25	16	13	219,00
UC3D5E5	1"1/4 **	90°	32	10	20,7	347,10

** maximum differential pressure 6 bar, for 10 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3D5E5	1"1/4	90°	32	10	20,7	347,10
UC3E5E5	1"1/2	90°	40	10	38,7	512,30
UC3F5E5	2"	90°	50	10	54	911,40

**2-WAY FF, full bore**

CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC2A2B	1/2"	90°	15	64	19,2	153,70
DC2B2B	3/4"	90°	20	64	35	193,80
DC2C2B	1" *	90°	25	64	64,5	258,90

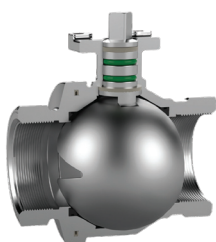
* maximum differential pressure 25 bar, for 64 bar please see Compact series
TO BE MOTORIZED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC2C2B	1"	90°	25	64	64,5	258,90
UC2D2B5	1"1/4	90°	32	64	103,8	302,30
UC2E2B5	1"1/2 **	90°	40	64	174	369,20

** maximum differential pressure 40 bar, for 64 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC2E2B5	1"1/2	90°	40	64	174	369,20
UC2F2B5	2" ***	90°	50	64	301,3	532,00

*** maximum differential pressure 25 bar

FLOW CONTROL version, on request**V-BALL**

Valves with a 'V' port are suitable for liquids, gases, and steam

The V-BALL shape transforms a standard ON-OFF ball valve into a CONTROL valve.

FOR FURTHER INFORMATION PLEASE CONTACT OUR TECHNICAL DEPARTMENT

+39 019 510.371 • info@comparato.com

STEAM version, on request

AVAILABLE FOR SYSTEMS WITH STEAM TEMPERATURES UP TO 175°C

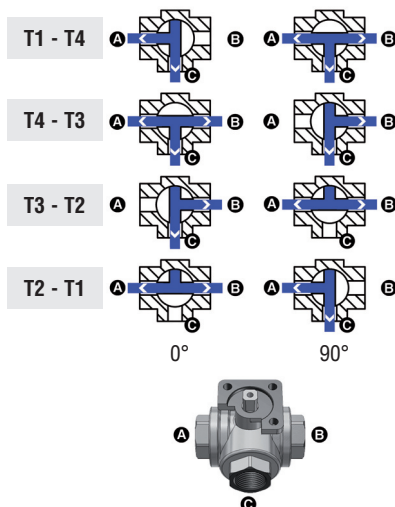
AND 9 bar MAXIMUM PRESSURE

FOR FURTHER INFORMATION PLEASE CONTACT OUR TECHNICAL DEPARTMENT

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**"T"-PORT • 3-WAY FFF DIVERTER**, reduced bore

BALL POSITIONING



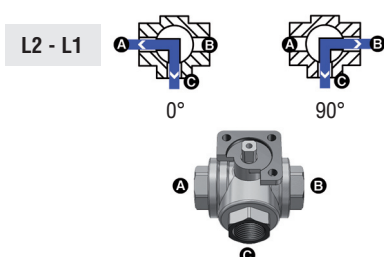
CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3S6B5	1/4"	90°	-	64	4	299,60
DC3R6B5	3/8"	90°	10	64	4	299,60
DC3A6B5	1/2" *	90°	15	64	5,2	308,70

* maximum differential pressure 25 bar, for 64 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3A6B5	1/2"	90°	15	64	5,2	308,70
UC3B6B5	3/4"	90°	20	64	8,4	435,10
UC3C6B5	1" **	90°	25	64	12	574,20

** maximum differential pressure 40 bar, for 64 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3C6B5	1"	90°	25	64	12	574,20
UC3D6B5	1"1/4	90°	32	64	19	818,90

"L"-PORT • 3-WAY FFF DIVERTER, reduced bore

CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series ISO 5211 connection						
DC3S5B5	1/4"	90°	-	64	4	299,60
DC3R5B5	3/8"	90°	10	64	4	299,60
DC3A5B5	1/2" *	90°	15	64	5,2	308,70

* maximum differential pressure 25 bar, for 64 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series						
DC3A5B5	1/2"	90°	15	64	5,2	308,70
UC3B5B5	3/4"	90°	20	64	8,4	435,10
UC3C5B5	1" **	90°	25	64	12	574,20

** maximum differential pressure 40 bar, for 64 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series						
UC3C5B5	1"	90°	25	64	12	574,20
UC3D5B5	1"1/4	90°	32	64	19	818,90



2-WAY with connection kit, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series COMPARATO connection • FF THREADED connections						
DC2R2C3D3	3/8"	90°	10	16	4,8	126,20
DC2A2C3D3	1/2"	90°	15	16	12	130,50
DC2B2C3D3	3/4"	90°	20	16	23	153,20
DC2C2C3D3	1"	90°	25	16	46	176,00
DC2D2C3D3	1"1/4	90°	32	16	66	221,60
DC2E2C3D3	1"1/2" *	90°	40	16	105	274,30
DIAMANT series COMPARATO connection • TO BE GLUED connections						
DC2R2C4D3	16 (3/8")	90°	10	16	4,8	115,40
DC2A2C4D3	20 (1/2")	90°	15	16	12	117,60
DC2B2C4D3	25 (3/4")	90°	20	16	23	138,60
DC2C2C4D3	32 (1")	90°	25	16	46	160,90
DC2D2C4D3	40 (1"1/4)	90°	32	16	66	200,50
DC2E2C4D3	50 (1"1/2") *	90°	40	16	105	250,10

* maximum differential pressure 10 bar, for 16 bar please see Compact series
TO BE MOTORIZED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series • FF THREADED connections						
UC2E2C3D3	1"1/2	90°	40	16	105	288,50
UC2F2C3D3	2" **	90°	50	16	204	357,00
COMPACT series • TO BE GLUED connections						
UC2E2C4D3	50 (1"1/2)	90°	40	16	105	264,40
UC2F2C4D3	63 (2") **	90°	50	16	204	319,20

** maximum differential pressure 10 bar, for 16 bar please see Universal series

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series • FF THREADED connections						
UC2F2C3D3	2"	90°	50	16	204	357,00
UC2G2C3D3	2"1/2	90°	65	16	315	684,90
UC2H2C3D3	3" ***	90°	80	16	426	915,00
UNIVERSAL series • TO BE GLUED connections						
UC2F2C4D3	63 (2")	90°	50	16	204	319,20
UC2G2C4D3	75 (2"1/2)	90°	65	16	315	632,80
UC2H2C4D3	90 (3") ***	90°	80	16	426	810,60

*** maximum differential pressure 10 bar



2-WAY with spacer and emergency manual override, full bore



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series COMPARATO connection • FF THREADED						
DC2R2C3D4	3/8"	90°	10	16	4,8	154,50
DC2A2C3D4	1/2"	90°	15	16	12	158,80
DC2B2C3D4	3/4"	90°	20	16	23	181,50
DC2C2C3D4	1"	90°	25	16	46	204,30
DC2D2C3D4	1"1/4	90°	32	16	66	249,90
DC2E2C3D4	1"1/2" *	90°	40	16	105	302,60
DIAMANT series COMPARATO connection • TO BE GLUED						
DC2R2C4D4	16 (3/8")	90°	10	16	4,8	143,70
DC2A2C4D4	20 (1/2")	90°	15	16	12	145,90
DC2B2C4D4	25 (3/4")	90°	20	16	23	166,90
DC2C2C4D4	32 (1")	90°	25	16	46	189,10
DC2D2C4D4	40 (1"1/4)	90°	32	16	66	228,80
DC2E2C4D4	50 (1"1/2") *	90°	40	16	105	278,40

* maximum differential pressure 10 bar, for 16 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS
IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series • FF THREADED						
UC2E2C3D4	1"1/2	90°	40	16	105	338,90
UC2F2C3D4	2" **	90°	50	16	204	407,40
COMPACT series • TO BE GLUED						
UC2E2C4D4	50 (1"1/2)	90°	40	16	105	314,80
UC2F2C4D4	63 (2") **	90°	50	16	204	369,60

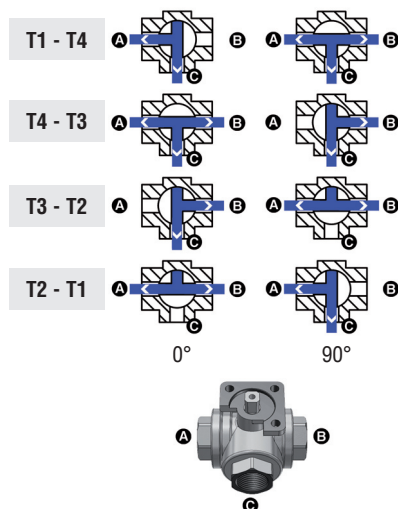
** maximum differential pressure 10 bar, for 16 bar please see Universal series
IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

CODE	CONNECTION		DN	PN	Kv _s	€
UNIVERSAL series • FF THREADED						
UC2F2C3D4	2"	90°	50	16	204	407,40
UC2G2C3D4	2"1/2	90°	65	16	315	812,30
UC2H2C3D4	3" ***	90°	80	16	426	1.042,40
UNIVERSAL series • TO BE GLUED						
UC2F2C4D4	63 (2")	90°	50	16	204	369,40
UC2G2C4D4	75 (2"1/2)	90°	65	16	315	760,20
UC2H2C4D4	90 (3") ***	90°	80	16	426	938,00

*** maximum differential pressure 10 bar
IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

**"T"-PORT • 3-WAY with connection kit, full bore**

BALL POSITIONING



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series COMPARATO connection • FF THREADED						
DC3R6C3D3	3/8"	90°	10	16	2,2	293,40
DC3A6C3D3	1/2"	90°	15	16	3,3	298,40
DC3B6C3D3	3/4"	90°	20	16	8,1	339,30
DC3C6C3D3	1"	90°	25	16	12,3	410,70
DC3D6C3D3	1"1/4	90°	32	16	23,4	487,10
DC3E6C3D3	1"1/2 *	90°	40	16	28,5	580,20
DIAMANT series COMPARATO connection • TO BE GLUED						
DC3R6C4D3	16 (3/8")	90°	10	16	2,2	270,30
DC3A6C4D3	20 (1/2")	90°	15	16	3,3	275,00
DC3B6C4D3	25 (3/4")	90°	20	16	8,1	312,10
DC3C6C4D3	32 (1")	90°	25	16	12,3	377,30
DC3D6C4D3	40 (1"1/4)	90°	32	16	23,4	446,70
DC3E6C4D3	50 (1"1/2) *	90°	40	16	28,5	531,00

* maximum differential pressure 10 bar, for 16 bar please see Compact series
TO BE MOTORIZED WITH 11 Nm ACTUATORS

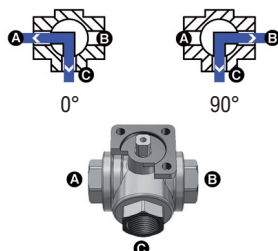
CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series • FF THREADED						
UC3E6C3D3	1"1/2	90°	40	16	28,5	603,40
UC3F6C3D3	2"	90°	50	16	54	746,00
COMPACT series • TO BE GLUED						
UC3E6C4D3	50 (1"1/2)	90°	40	16	28,5	553,80
UC3F6C4D3	63 (2")	90°	50	16	54	683,60



"L"-PORT • 3-WAY with connection kit, full bore



L2 - L1



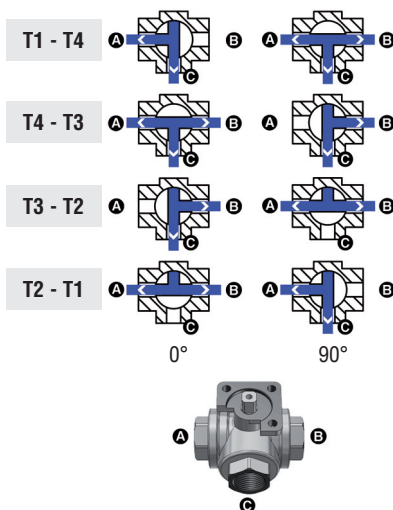
CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series COMPARATO connection • FF THREADED						
DC3R5C3D3	3/8"	90°	10	16	2,9	316,20
DC3A5C3D3	1/2"	90°	15	16	4,4	322,00
DC3B5C3D3	3/4"	90°	20	16	9	366,30
DC3C5C3D3	1"	90°	25	16	16	444,40
DC3D5C3D3	1"1/4	90°	32	16	28,5	525,20
DC3E5C3D3	1"1/2 **	90°	40	16	37,2	629,20
DIAMANT series COMPARATO connection • TO BE GLUED						
DC3R5C4D3	16 (3/8")	90°	10	16	2,9	293,40
DC3A5C4D3	20 (1/2")	90°	15	16	4,4	298,40
DC3B5C4D3	25 (3/4")	90°	20	16	9	339,30
DC3C5C4D3	32 (1")	90°	25	16	16	410,70
DC3D5C4D3	40 (1"1/4)	90°	32	16	28,5	487,10
DC3E5C4D3	50 (1"1/2) **	90°	40	16	37,2	580,20

* maximum differential pressure 10 bar, for 16 bar please see Compact series
TO BE MOTORISED WITH 11 Nm ACTUATORS

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series • FF THREADED						
UC3E5C3D3	1"1/2	90°	40	16	37,2	652,80
UC3F5C3D3	2"	90°	50	16	73,2	808,60
COMPACT series • TO BE GLUED						
UC3E5C4D3	50 (1"1/2)	90°	40	16	37,2	603,40
UC3F5C4D3	63 (2")	90°	50	16	73,2	746,00

**"T"-PORT • 3-WAY with spacer and emergency manual override, full bore**

BALL POSITIONING



CODE	CONNECTION		DN	PN	Kv _s	€
DIAMANT series COMPARATO connection • FF THREADED						
DC3R6C3D4	3/8"	90°	10	16	2,2	321,70
DC3A6C3D4	1/2"	90°	15	16	3,3	326,80
DC3B6C3D4	3/4"	90°	20	16	8,1	367,50
DC3C6C3D4	1"	90°	25	16	12,3	438,90
DC3D6C3D4	1"1/4	90°	32	16	23,4	515,20
DC3E6C3D4	1"1/2 *	90°	40	16	28,5	608,60
DIAMANT series COMPARATO connection • TO BE GLUED						
DC3R6C4D4	16 (3/8")	90°	10	16	2,2	298,60
DC3A6C4D4	20 (1/2")	90°	15	16	3,3	303,30
DC3B6C4D4	25 (3/4")	90°	20	16	8,1	340,30
DC3C6C4D4	32 (1")	90°	25	16	12,3	405,40
DC3D6C4D4	40 (1"1/4)	90°	32	16	23,4	474,90
DC3E6C4D4	50 (1"1/2) *	90°	40	16	28,5	559,20

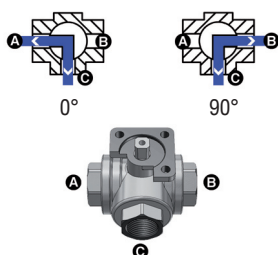
* maximum differential pressure 10 bar, for 16 bar please see Compact series
 TO BE MOTORISED WITH 11 Nm ACTUATORS
 IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

CODE	CONNECTION		DN	PN	Kv _s	€
COMPACT series • FF THREADED						
UC3E6C3D4	1"1/2	90°	40	16	28,5	653,80
UC3F6C3D4	2"	90°	50	16	54	796,40
COMPACT series • TO BE GLUED						
UC3E6C4D4	50 (1"1/2)	90°	40	16	28,5	604,20
UC3F6C4D4	63 (2")	90°	50	16	54	734,00

IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

**"L"-PORT • 3-WAY with spacer and emergency manual override, full bore**

L2 - L1



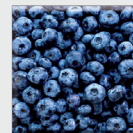
CODE	CONNECTION		DN	PN	Kvs	€
DIAMANT series COMPARATO connection • FF THREADED						
DC3R5C3D4	3/8"	90°	10	16	2,9	344,40
DC3A5C3D4	1/2"	90°	15	16	4,4	350,20
DC3B5C3D4	3/4"	90°	20	16	9	394,70
DC3C5C3D4	1"	90°	25	16	16	472,60
DC3D5C3D4	1"1/4	90°	32	16	28,5	555,90
DC3E5C3D4	1"1/2 **	90°	40	16	37,2	657,30
DIAMANT series COMPARATO connection • TO BE GLUED						
DC3R5C4D4	16 (3/8")	90°	10	16	2,9	321,70
DC3A5C4D4	20 (1/2")	90°	15	16	4,4	326,80
DC3B5C4D4	25 (3/4")	90°	20	16	9	367,50
DC3C5C4D4	32 (1")	90°	25	16	16	438,90
DC3D5C4D4	40 (1"1/4)	90°	32	16	28,5	515,20
DC3E5C4D4	50 (1"1/2) **	90°	40	16	37,2	608,60

* maximum differential pressure 10 bar, for 16 bar please see Compact series
 TO BE MOTORISED WITH 11 Nm ACTUATORS
 IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

CODE	CONNECTION		DN	PN	Kvs	€
COMPACT series • FF THREADED						
UC3E5C3D4	1"1/2	90°	40	16	37,2	703,20
UC3F5C3D4	2"	90°	50	16	73,2	859,00
COMPACT series • TO BE GLUED						
UC3E5C4D4	50 (1"1/2)	90°	40	16	37,2	653,80
UC3F5C4D4	63 (2")	90°	50	16	73,2	796,40

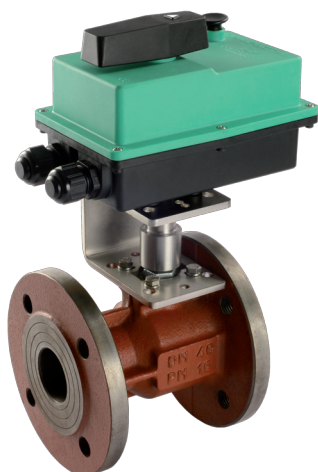
IT CANNOT BE MOTORISED WITH ACTUATOR EQUIPPED WITH MANUAL OVERRIDE

MOTORISED VALVES



PRO Range • ISO 5211 connection**Compact PRO ALL IN ONE: 2-POINT • 3-POINT**

- OPERATING TIMES: 45 SEC 90°
- CLASS PROTECTION: IP67
- Manual opening
- 2 extra micro switches
- Different operating times and accessories see p. 38
- Not available with spacer for insulation

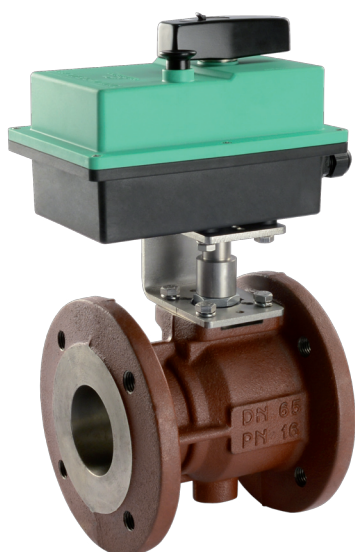


CODE	CONNECTION	DN	PN	Kv _s	€
Power supply 230 V • 50 / 60 Hz					
CY222AC2F6	PN16 Flange	25	16	64,5	706,70
CY222AD2F6	PN16 Flange *	32	16	103,8	759,00
Power supply 24 V • 50 / 60 Hz					
CY242AC2F6	PN16 Flange	25	16	64,5	721,10
CY242AD2F6	PN16 Flange *	32	16	103,8	773,50

* maximum differential pressure 10 bar

Universal PRO ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 55 SEC 90°
- CLASS PROTECTION: IP67
- Manual opening
- 2 extra micro switches
- Different operating times and accessories see p. 39
- Not available with spacer for insulation



CODE	CONNECTION	DN	PN	Kv _s	€
Power supply 230 V • 50 Hz					
UY222AD2F6	PN16 Flange	32	16	103,8	937,00
UY222AE2F6	PN16 Flange	40	16	174	965,90
UY222AF2F6	PN16 Flange	50	16	301,3	1.014,40
Power supply 24 V • 50 Hz					
UY242AD2F6	PN16 Flange	32	16	103,8	941,20
UY242AE2F6	PN16 Flange	40	16	174	970,10
UY242AF2F6	PN16 Flange	50	16	301,3	1.018,60

**2-POINT • 3-POINT**

- CLASS PROTECTION: IP67
- Manual opening
- 2 extra micro switches
- Versions with proportional control available on request



CODE	OPERATING TIME 90°	DN	PN	€
Power supply 100... 240 V • 50 / 60 Hz				
U22C2G2F6	27 SEC	65	16	1.656,40
U22C2H2F6	27 SEC	80	16	1.746,30
U22C2I2F6	50 SEC	100	16	1.993,30
U22C2L2F6	50 SEC	125	16	2.672,90
U22C2M2F6	50 SEC	150	16	3.469,90
Power supply 24 V • AC / DC				
U24C2G2F6	27 SEC	65	16	1.598,90
U24C2H2F6	27 SEC	80	16	1.688,80
U24C2I2F6	50 SEC	100	16	1.956,50
U24C2L2F6	50 SEC	125	16	2.550,90
U24C2M2F6	50 SEC	150	16	3.403,60

**2-POINT • 3-POINT**

- CLASS PROTECTION: IP67
- Manual opening
- 2 extra micro switches
- Not suitable for mixing

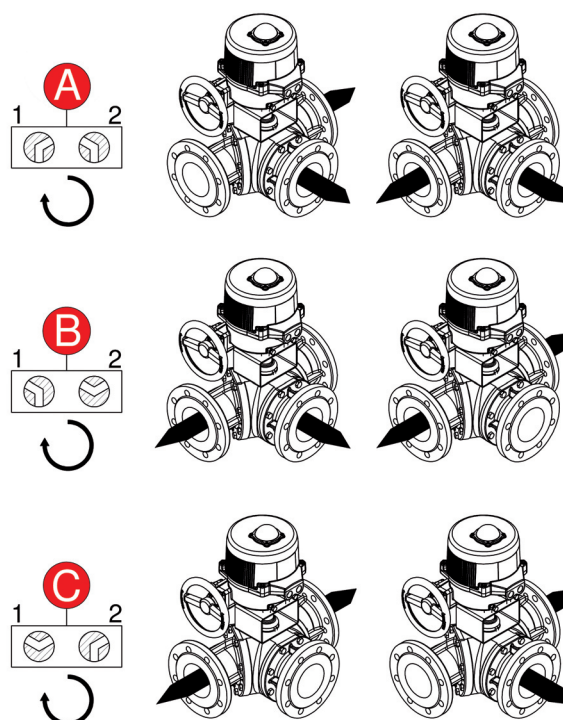


CODE	OPERATING TIME 120°	DN	PN	€
Power supply 100... 240 V • 50 / 60 Hz				
U22C3F2F6 *	12 SEC	50	16	2.660,60
U22C3G2F6 *	12 SEC	65	16	2.952,00
U22C3H2F6 *	36 SEC	80	16	3.767,60
U22C3I2F6 *	36 SEC	100	16	4.200,80
U22C3L2F6 *	67 SEC	125	16	5.657,00
U22C3M2F6 *	67 SEC	150	16	7.255,50
Power supply 24 V • AC / DC				
U24C3F2F6 *	12 SEC	50	16	2.581,50
U24C3G2F6 *	12 SEC	65	16	2.873,10
U24C3H2F6 *	36 SEC	80	16	3.710,30
U24C3I2F6 *	36 SEC	100	16	4.099,10
U24C3L2F6 *	67 SEC	125	16	5.594,10
U24C3M2F6 *	67 SEC	150	16	7.161,00

* add the letter corresponding to the ball position at the end of the code

PLEASE INDICATE THE POSITION OF THE BALL WHEN ORDERING

1. STARTING position
2. Position AFTER 120° CLOCKWISE



Motorised valve • **BUTTERFLY WAFER****P20 Range** • ISO 5211 connection

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Compact P20 ALL IN ONE: 2-POINT • 3-POINT

- **OPERATING TIMES:** 45 SEC 90°
- **CLASS PROTECTION:** IP67
- **NITRILE SEALING**
- Manual opening
- 2 extra micro switches
- Different operating times and accessories see p. 38
- **Butterfly valves are supplied in opening position and must be installed in open position only.**



CODE	CONNECTION	DN	PN	Kv _s	€
Power supply 230 V • 50 / 60 Hz					
CY222AE2G6	Wafer	32 / 40	16	62	599,50
Power supply 24 V • 50 / 60 Hz					
CY242AE2G6	Wafer	32 / 40	16	62	614,00

Universal P20 ALL IN ONE: 2-POINT • 3-POINT

- **OPERATING TIMES:** 55 SEC 90°
- **CLASS PROTECTION:** IP67
- **NITRILE SEALING**
- Manual opening
- 2 extra micro switches
- Different operating times and accessories see p. 38
- **Butterfly valves are supplied in opening position and must be installed in open position only.**



CODE	CONNECTION	DN	PN	Kv _s	€
Power supply 230 V • 50 Hz					
UY222AF2G6	Wafer	50	16	79	732,00
UY222AG2G6	Wafer	65	16	174	775,30
UY222AH2G6	Wafer	80	16	275	806,30
UY222AI2G6	Wafer	100	6	496	843,80
Power supply 24 V • 50 Hz					
UY242AF2G6	Wafer	50	16	79	736,20
UY242AG2G6	Wafer	65	16	174	779,50
UY242AH2G6	Wafer	80	16	275	810,50
UY242AI2G6	Wafer	100	6	496	848,00



2-POINT • 3-POINT

- CLASS PROTECTION: IP67
- NITRILE SEALING
- Manual opening
- 2 extra micro switches
- Versions with proportional control available on request
- Butterfly valves are supplied in opening position and must be installed in open position only.



CODE	CONNECTION	OPERATING TIME 90°	DN	PS	€
Power supply 100... 240 V • 50 / 60 Hz					
U22C5I2F6	Wafer	27 SEC	100	16	1.565,10
U22C5L2F6	Wafer	27 SEC	125	16	1.644,30
U22C5M2F6	Wafer	50 SEC	150	16	1.793,40
U22C5N2F6	Wafer	50 SEC	200	16	2.192,70
U22C5O2F6	Wafer	50 SEC	250	16	3.179,80
Power supply 24 V • AC / DC					
U24C5I2F6	Wafer	27 SEC	100	16	1.508,20
U24C5L2F6	Wafer	27 SEC	125	16	1.587,40
U24C5M2F6	Wafer	50 SEC	150	16	1.731,60
U24C5N2F6	Wafer	50 SEC	200	16	2.130,90
U24C5O2F6	Wafer	50 SEC	250	16	3.112,30

Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price.

ID	DESCRIPTION	€
E	EPDM sealing version	0,00
X	Version with STAINLESS STEEL lens	on request
L	LUG version	on request

SEAL MATERIAL FOCUS

NITRILE SEALING

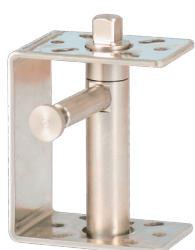
- Range temperature: +5°C / +85°C
- Applications: general industrial circuits with untreated water

EPDM SEALING

- Range temperature: -10°C / +120°C
- Applications: potable water / general industrial circuits

Diamant P20

SPACERS


 Actuator with **COMPARATO** connection
 Ball valve with **COMPARATO** connection

CODE	DESCRIPTION	€
spacer height: h 90 mm		
ADSTD1	spacer	42,30
RFASDN90	component: control rod	12,60
spacer height: h 90 mm • with MANUAL OVERRIDE		
ADSTD2 *	spacer	71,80
RFAPDCN *	component: control rod with manual override	39,20

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

 Actuator with **COMPARATO** connection
 Ball valve with **ISO F03 / F04 / F05** connection

CODE	DESCRIPTION	€
spacer height: h 90 mm		
DIDM01	spacer	46,80
RFASDI90	component: control rod	19,10
spacer height: h 90 mm • with MANUAL OVERRIDE		
DIDM02 *	spacer	78,00
RFAPDCI *	component: control rod with manual override	56,10

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

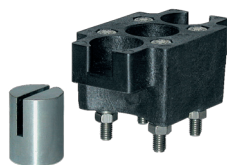
 Actuator with **ISO F03 / F05** connection
 Ball valve with **ISO F03 / F04 / F05** connection

CODE	DESCRIPTION	€
spacer height: h 90 mm		
DIDM01ISO	spacer	72,00
RFASDI90ISO	component: control rod	36,80
spacer height: h 90 mm • with MANUAL OVERRIDE		
DIDM02ISO *	spacer	114,70
RFAPDCISO *	component: control rod with manual override	79,70

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

Diamant PRO

CONNECTION KIT



Actuator with COMPARATO connection Ball valve with ISO F03 connection		
CODE	DESCRIPTION	€
AIDM01	connection kit with metal joint	26,00



Actuator with COMPARATO connection Ball valve with PVC 2-WAY / 3-WAY connection		
CODE	DESCRIPTION	€
spacer height: h 50 mm		
DIDM03PVC	connection kit	48,10
RFASDPVC	component: control rod	17,60
spacer height: h 90 mm • with MANUAL OVERRIDE		
DIDM02PVC *	connection kit	92,00
RFAPDPVC *	component: control rod with manual override	56,80

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

PLEASE SPECIFY WHEN ORDERING THE DIAMETER OF BALL VALVES



CAPS and TANGS

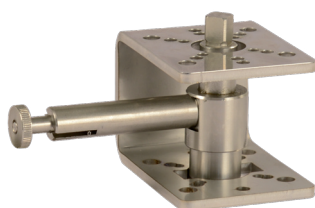


CODE	DESCRIPTION	€
STRAIGHT cap		
AC3412	straight 1/2" - tang 3/4"	6,70
AC0134	straight 3/4" - tang 1"	9,70
AC1141	straight 1" - tang 1"1/4	16,40
ECCENTRIC cap		
AC0134E	eccentric 3/4" - tang 1"	15,40



Compact PRO

SPACERS



Actuator with ISO F03 / F05 connection Ball valve with ISO F03 / F04 / F05 connection		
CODE	DESCRIPTION	€
spacer height: h 90 mm		
DICOM35	spacer	85,40
RFASC90	component: control rod	36,80
spacer height: h 66 mm • with MANUAL OVERRIDE		
DICO05ADC *	spacer	119,80
RFAPCDC *	component: control rod with manual override	75,70

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

PVC CONNECTION KIT



Actuator with ISO F03 / F05 connection Ball valve with PVC 2-WAY / 3 -WAY connection		
CODE	DESCRIPTION	€
spacer height: h 66 mm		
DICO03PVC	connection kit	77,00
RFASUPVC	component: control rod	31,50
spacer height: h 90 mm • with MANUAL OVERRIDE		
DICO02PVC *	connection kit	127,40
RFAPUPVC *	component: control rod with manual override	79,70

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

PLEASE SPECIFY WHEN ORDERING THE DIAMETER OF BALL VALVES

SPACERS



Actuator with ISO F05 / F07 connection Ball valve with ISO F03 / F04 / F05 / F07 connection		
CODE	DESCRIPTION	€
spacer height: h 90 mm		
DICOM57	spacer	85,40
RFASU90	component: control rod	36,80
spacer height: h 66 mm • with MANUAL OVERRIDE		
DICO07ADC *	spacer	119,80
RFAPUDC *	component: control rod with manual override	75,70

* Not suitable for actuators with EMERGENCY MANUAL OVERRIDE

Winemaking

WINEMAKING PLANTS



MOTORISED VALVES for the WINEMAKING sector and SPARE PARTS

	Actuators DIAMANT PRO	90
	Ball valves with spacer DIAMANT PRO	90
	Actuators COMPACT PRO UNIVERSAL PRO	92
	Motorised valves COMPACT PRO UNIVERSAL PRO	93
	SPACERS	96

Diamant PRO • **COMPARATO** connection

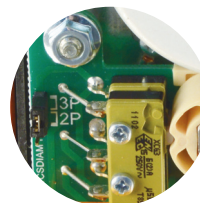
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ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 11 Nm
- **OPERATING TIMES:** 35 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY		€
DY242P2R	2- or 3-WAY	90°	24V	50/60 Hz	224,50
DY342P2R	3 WAY	180°	24V	50/60 Hz	224,50

2-WAY MM with spacer and manual opening for THERMAL BREAK, full bore

- MAXIMUM FLUID TEMPERATURE: 50°C



CODE	CONNECTION		DN	PN	Kv _s	€
DC2A2AD9	1/2"	90°	15	16	16,3	96,50
DC2B2AD9	3/4"	90°	20	16	29,5	106,40
DC2C2AD9	1"	90°	25	16	43	134,40

3-WAY MMM with spacer and manual opening for THERMAL BREAK, full bore

- MAXIMUM FLUID TEMPERATURE: 50°C
- BALL POSITIONING P. 6



CODE	CONNECTION		DN	PN	Kv _s	€
MIXING - DIVERTING 3-HOLE 90° BALL						
DC3B3AD9	3/4"	90°	20	16	11,5	140,60
DC3C3AD9	1"	90°	25	16	18,3	180,50
DIVERTING 2-HOLE 180° BALL						
DC3B2AD9	3/4"	180°	20	16	11,5	140,60
DC3C2AD9	1"	180°	25	16	18,3	180,50

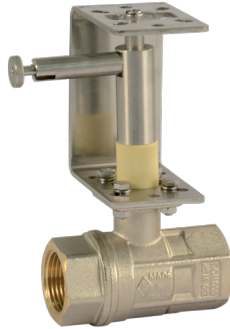
- 3-hole version to be combined with the **90°** version actuator • DY242P2R
- 2-hole version to be combined with the **180°** version actuator • DY342P2R

Diamant PRO • COMPARATO connection



2-WAY FF with spacer and manual opening for THERMAL BREAK, full bore

- MAXIMUM FLUID TEMPERATURE: 50°C



CODE	CONNECTION		DN	PN	Kvs	€
DC2S2P5D9	1/4"	90°	-	40	5,4	101,20
DC2R2P5D9	3/8"	90°	10	40	6	101,20
DC2A2P5D9	1/2"	90°	15	40	16,3	101,20
DC2B2P5D9	3/4"	90°	20	40	29,5	106,50
DC2C2P5D9	1"	90°	25	40	43	127,10
DC2D2P5D9	1"1/4 *	90°	32	40	89	155,20

* maximum differential pressure 25 bar, for 40 bar please see Compact series p. 93

3-WAY FFF with spacer and manual opening for THERMAL BREAK, full bore

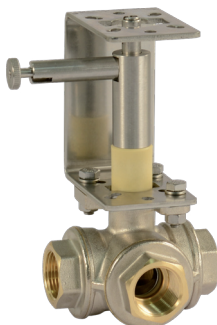
- MAXIMUM FLUID TEMPERATURE: 50°C
- BALL POSITIONING P. 6 - 7



CODE	CONNECTION		DN	PN	Kvs	€
MIXING - DIVERTING 3-HOLE 90° BALL						
DC3A3E5D9	1/2"	90°	15	25	6	125,20
DC3B3E5D9	3/4"	90°	20	16	11,5	145,30
DC3C3E5D9	1" *	90°	25	16	18,3	177,10
DIVERTING 2-HOLE 180° BALL						
DC3A2E5D9	1/2"	180°	15	25	6	125,20
DC3B2E5D9	3/4"	180°	20	16	11,5	145,30
DC3C2E5D9	1" *	180°	25	16	18,3	177,10

* maximum differential pressure 10 bar, for 16 bar please see Compact series p. 95

- 3-hole version to be combined with the **90°** version actuator • DY242P2R
- 2-hole version to be combined with the **180°** version actuator • DY342P2R



CODE	CONNECTION		DN	PN	Kvs	€
DIVERTING "T"-PORT 90°						
DC3A6E5D9	1/2"	90°	15	30	3,9	145,50
DC3B6E5D9	3/4" *	90°	20	30	7,9	196,50
DIVERTING "L"-PORT 90°						
DC3A5E5D9	1/2"	90°	15	30	3,9	145,50
DC3B5E5D9	3/4" *	90°	20	30	7,9	196,50

* maximum differential pressure 16 bar, for 30 bar please see Compact series p. 94

PRO Range • ISO 5211 connection



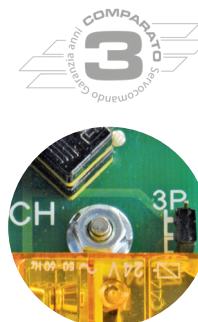
i

Compact PRO ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 22 Nm
- **OPERATING TIMES:** 45 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- ISO 5211 F03-F05 □9-□11



ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY		€
CY2422PSAR	2- or 3-WAY	90°	24V	50/60 Hz	374,70
CY3422PSAR	3 WAY	180°	24V	50/60 Hz	374,70

Universal PRO ALL IN ONE: 2-POINT • 3-POINT

- **TORQUE:** 40 Nm
- **OPERATING TIMES:** 55 SEC 90°
- **CLASS PROTECTION:** IP67
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- ISO 5211 F05-F07 □11-□14



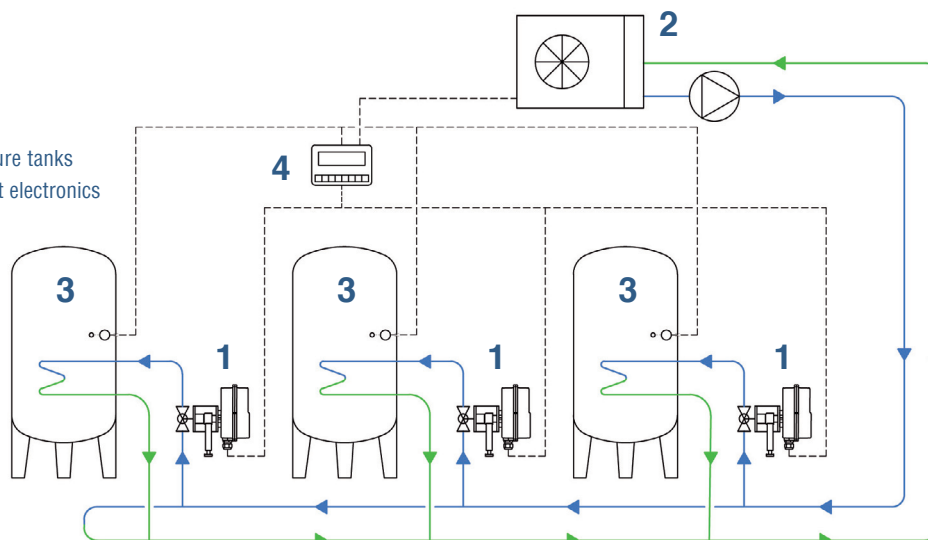
ALL IN ONE JUMPER
for selecting 2-POINT or 3-POINT



CODE	FOR BALL VALVE		POWER SUPPLY		€
UY2422PSAR	2- or 3-WAY	90°	24V	50 Hz	506,80
UY3422PSAR	3 WAY	180°	24V	50 Hz	506,80

EXAMPLE OF USE: WINEMAKING SYSTEM

- 1 : Diamant PRO
Compact PRO
Universal PRO
- 2 : Chiller
- 3 : Controlled-temperature tanks
- 4 : External management electronics



P20 Range • ISO 5211 connection

i

Compact P20 ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 45 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50/60 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
POWER SUPPLY 24 V					
CY242RD2M5D9	1"1/4	32	40	89	601,00
CY242RE2M5D9	1"1/2	40	40	230	634,50
CY242RF2M5D9	2" *	50	40	265	714,60

* maximum differential pressure 25 bar

Universal P20 ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 55 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
POWER SUPPLY 24 V					
UY242RF2M5D9	2"	50	40	265	846,70
UY242RG2M5D9	2"1/2	65	25	540	1.001,00
UY242RH2M5D9	3"	80	16	873	1.164,00
UY242RI2M5D9	4" *	100	16	1.390	1.562,90

* maximum differential pressure 6 bar

P20 Range • ISO 5211 connection

i

Compact P20 ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 45 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50/60 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- BALL POSITIONING P. 6

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
MIXING - DIVERTING 3-HOLE 90° BALL					
CY242RC3E5D9	1"	25	16	18,3	625,40
CY242RD3E5D9	1"1/4	32	10	27,2	690,90
CY242RE3E5D9	1"1/2 *	40	10	47,3	753,30
DIVERTING 2-HOLE 180° BALL					
CY342RC2E5D9	1"	25	16	18,3	625,40
CY342RD2E5D9	1"1/4	32	10	27,2	690,90
CY342RE2E5D9	1"1/2 *	40	10	47,3	753,30

* maximum differential pressure 6 bar

Universal P20 ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 55 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50/60 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- BALL POSITIONING P. 6

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
MIXING - DIVERTING 3-HOLE 90° BALL					
UY242RE3E5D9	1"1/2	40	10	47,3	885,40
UY242RF3E5D9	2"	50	10	73	1.031,50
DIVERTING 2-HOLE 180° BALL					
UY342RE2E5D9	1"1/2	40	10	47,3	885,40
UY342RF2E5D9	2"	50	10	73	1.031,50

PRO Range • ISO 5211 connection

i

Compact PRO ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 45 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50/60 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- BALL POSITIONING P. 7

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
DIVERTING "T"-PORT					
CY242RB6E5D9	3/4"	20	30	7,9	648,70
CY242RC6E5D9	1"	25	16	13	724,50
CY242RD6E5D9	1"1/4 *	32	10	20,7	852,60
DIVERTING "L"-PORT					
CY242RB5E5D9	3/4"	20	30	7,9	648,70
CY242RC5E5D9	1"	25	16	13	724,50
CY242RD5E5D9	1"1/4 *	32	10	20,7	852,60

* maximum differential pressure 6 bar

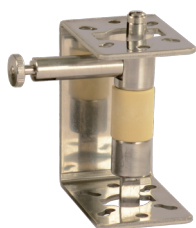
Universal PRO ALL IN ONE: 2-POINT • 3-POINT

- OPERATING TIMES: 55 SEC 90°
- CLASS PROTECTION: IP67
- MAXIMUM FLUID TEMPERATURE: 50°C

- POWER SUPPLY: 24V 50/60 Hz
- 2 EXTRA MICRO SWITCHES
- ANTI-CONDENSATION KIT
- BALL POSITIONING P. 7

**THERMAL BREAK and MANUAL OPENING**

CODE	CONNECTION	DN	PN	Kv _s	€
DIVERTING "T"-PORT					
UY242RD6E5D9	1"1/4	32	10	20,7	984,70
UY242RE6E5D9	1"1/2	40	10	38,7	1.149,90
UY242RF6E5D9	2"	50	10	54	1.549,00
DIVERTING "L"-PORT					
UY242RD5E5D9	1"1/4	32	10	20,7	984,70
UY242RE5E5D9	1"1/2	40	10	38,7	1.149,90
UY242RF5E5D9	2"	50	10	54	1.549,00

P20 Range • ISO 5211 connection**Diamant P20**

Actuator with **COMPARATO** connection
Ball valve with **COMPARATO** connection

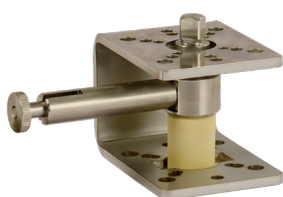
CODE	DESCRIPTION	€
spacer height: 90 mm		
ADSTD9	spacer	71,80
RFAPTTN	component: control rod with manual override	39,20

Actuator with **COMPARATO** connection
Ball valve with **ISO 5211 F03 / F04 / F05** connection

CODE	DESCRIPTION	€
spacer height: 90 mm		
DIDMD9	spacer	78,00
RFAPTTI	component: control rod with manual override	56,10

Actuator with **ISO 5211 F03 / F05** connection
Ball valve with **ISO 5211 F03 / F04 / F05** connection

CODE	DESCRIPTION	€
spacer height: 90 mm		
DIDMD9ISO	spacer	114,70
RFAPTTF	component: control rod with manual opening	79,70

Compact P20

Actuator with **ISO 5211 F03 / F05** connection
Ball valve with **ISO 5211 F03 / F04 / F05** connection

CODE	DESCRIPTION	€
spacer height: 66 mm		
DICO05AD9	spacer	119,80
RFAPCTT	component: control rod with manual override	75,70

Universal P20

Actuator with **ISO 5211 F05 / F07** connection
Ball valve with **ISO 5211 F03 / F04 / F05 / F07** connection

CODE	DESCRIPTION	€
spacer height: 66 mm		
DICO07AD9	spacer	119,80
RFAPUTT	component: control rod with manual override	75,70

UNIVERSAL PNEUMATIC



**UNIVERSAL PNEUMATIC
BRASS**

98



**UNIVERSAL PNEUMATIC
AISI 316**

98



**UNIVERSAL PNEUMATIC
CAST IRON**

99



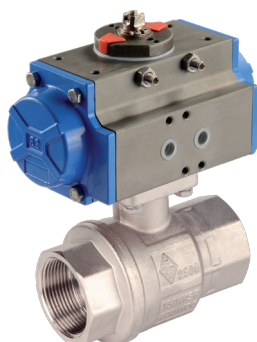
ACCESSORIES

99

Universal Pneumatic



2-WAY BRASS FF, full bore



CODE	Ø	PN	€
SPRING RETURN actuator			
P7000460014	1/4"	40	292,40
P7000460038	3/8"	40	292,40
P7000460012	1/2"	40	292,40
P7000460034	3/4"	40	296,40
P7000460001	1"	40	315,70
P7000460114	1"1/4	40	361,40
P7000460112	1"1/2	40	436,30
P7000460002	2"	40	537,00
P7000460212	2"1/2	25	904,40
P7000460003	3"	16	1.101,00
P7000460004	4"	16	1.732,20

CODE	Ø	PN	€
DOUBLE ACTING actuator			
P7000450014 *	1/4"	40	243,20
P7000450038 *	3/8"	40	243,20
P7000450012 *	1/2"	40	243,20
P7000450034 *	3/4"	40	243,20
P7000450001 *	1"	40	261,10
P7000450114 *	1"1/4	40	312,90
P7000450112	1"1/2	40	387,80
P7000450002	2"	40	464,00
P7000450212	2"1/2	25	730,90
P7000450003	3"	16	912,30
P7000450004	4"	16	1.450,20

* connection kit for solenoid valve: BADA32

"T"-PORT • 3-WAY FFF DIVERTING, full bore

• FOR VERSION SUPPLY "L" PORT please add "L" to the basic code

• Ball positioning see p. 7



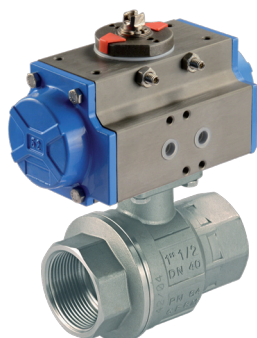
CODE	Ø	PN	€
SPRING RETURN actuator			
P7000660012	1/2"	30	347,20
P7000660034	3/4"	30	394,90
P7000660001	1"	16	443,80
P7000660114	1"1/4	10	607,70
P7000660112	1"1/2	10	820,40
P7000660002	2"	10	1.301,00

CODE	Ø	PN	€
DOUBLE ACTING actuator			
P7000650012 *	1/2"	30	298,30
P7000650034	3/4"	30	341,00
P7000650001	1"	16	388,20
P7000650114	1"1/4	10	558,00
P7000650112	1"1/2	10	710,60
P7000650002	2"	10	1.137,90

* connection kit for solenoid valve: BADA32

2-WAY AISI 316 FF, full bore

• FOR 3-WAY VERSION AND OTHER MODELS QUOTATIONS ON REQUEST



CODE	Ø	PN	€
SPRING RETURN actuator			
P7000830012	1/2"	64	397,20
P7000830034	3/4"	64	410,30
P7000830001	1"	64	451,20
P7000830114	1"1/4	64	529,20
P7000830112	1"1/2	64	636,40
P7000830002	2"	64	783,70

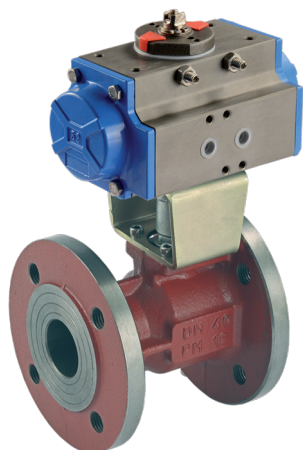
CODE	Ø	PN	€
DOUBLE ACTING actuator			
P7000820012 *	1/2"	64	347,70
P7000820034 *	3/4"	64	371,50
P7000820001 *	1"	64	417,10
P7000820114 *	1"1/4	64	468,50
P7000820112	1"1/2	64	605,40
P7000820002	2"	64	758,60

* connection kit for solenoid valve: BADA32

Universal Pneumatic



2-WAY FLANGED CAST IRON, full bore



CODE	DN	PN	€
SPRING RETURN actuator			
P7300220001	25	40	707,20
P7300220114	32	40	780,70
P7300220112	40	40	991,00
P7300220002	50	40	1.163,40
P7300220212	65	40	1.678,00
P7300220003	80	40	1.896,50
P7300220004	100	40	2.203,30
P7300220005	125	40	3.613,90
P7300220006	150	25	5.365,20

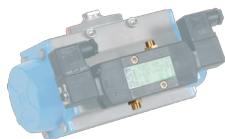
CODE	DN	PN	€
DOUBLE ACTING actuator			
P7300120001	25	40	654,50
P7300120114	32	40	727,70
P7300120112	40	40	810,50
P7300120002	50	40	958,40
P7300120212	65	40	1.278,80
P7300120003	80	40	1.390,20
P7300120004	100	40	1.809,70
P7300120005	125	40	2.989,50
P7300120006	150	25	4.299,60

PNEUMATIC
Motorised Valves

Accessories



NAMUR MONOSTABLE
SOLENOID VALVE 3/2 - 5/2



SPEED REGULATOR FOR
NAMUR SOLENOID VALVE



CONNECTION FOR SOLENOID VALVE
NAMUR KIT



LIMIT-SWITCHES BOX IP65

* NECESSARY EXCLUSIVELY FOR
THOSE CODES WITH ASTERISK

CODE	DESCRIPTION	€
EVN24AC	NAMUR solenoid valve 24V AC	215,90
EVN24DC	NAMUR solenoid valve 24V DC	215,90
EVN110AC50	NAMUR solenoid valve 110V AC 50Hz	215,90
EVN220AC	NAMUR solenoid valve 230V AC	215,90
RVN	Speed regulator for NAMUR solenoid valve	79,20
BADA32 *	Connection kit for Namur solenoid valve for double effect pneumatic actuator DA 32	62,20
BMFC	Box with 2 electromechanical limit switch	198,20
BMFCDA32 *	Box with 2 electromechanical limit switch for DA 32	193,50

OTHER MODELS AVAILABLE ON REQUEST

FOR INFORMATION, PLEASE CONTACT OUR OFFICES

+39 019 510.371 • info@comparato.com

COMPARATO TOOL

SPECIFIC TOOLS for MIXING VALVES AT YOUR SERVICE!

COMPARATO softwares make the access to all functions of the actuated valves with built-in electronics easy: thanks to a RS485 serial port with Modbus RTU communication protocol it is possible to set all values and settings easily and to monitor the functioning status of the plant.



DIMMIX

valve size calculations for
DIAMIX L and COMPAMIX L
actuated valves



LEGIOTOOL

datalogger function for
Anti-Legionella cycles for
DIAMIX L and COMPAMIX L mixing valves



MIXTOOL

programming and control of
DIAMIX PLUS and COMPAMIX PLUS
mixing valves



PRTOOL

management and programming of
DIAMIX PR and COMPAMIX PR
mixing valves for radiant panel



CLIMA PDC TOOL

management of CLIMA PDC diverting valves
for hybrid system with heat pump

MIXING VALVES: REGULATION

with **BUILT-IN ELECTRONICS**

	DIAMIX COMPAMIX Fixed-point	102
	DIAMIX PLUS COMPAMIX PLUS  Modbus Fixed-point High-temperature weather compensation function Setpoint signal 0–10V	104
	DIAMIX PR COMPAMIX PR  Modbus Radiant panels	106
	DIAMIX L COMPAMIX L  Modbus Domestic water Anti-Legionella	108

Diamix • Compamix



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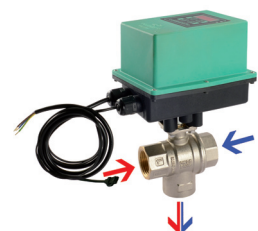
FIXED-point



- **OPERATING TIMES:**
DIAMIX 35 SEC 90°
COMPAMIX 45 SEC 90°
- **CLASS PROTECTION:** IP67
- **POWER SUPPLY:** 230V 50/60 Hz
- **110V VERSION ON REQUEST**
- **ADJUSTMENT RANGE:** -15°C to 90°C

FUNCTIONS:

- Fixed-point temperature control



CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • MMM						
DIAMIXNB	3/4"	11,5	20	16	16 bar	550,00
DIAMIXNC	1"	18,3	25	16	16 bar	589,90
VERTICAL MIXED OUTLET • FFF						
DIAMIXNFA	1/2"	6	15	25	25 bar	546,80
DIAMIXNFB	3/4"	11,5	20	16	16 bar	567,10
DIAMIXNFC	1"	18,3	25	16	16 bar	598,90
COMPAMIXD	1"1/4	27,2	32	10	10 bar	860,40
COMPAMIXE	1"1/2	47,3	40	10	6 bar	922,60
COMPAMIXF	2"	73	50	10	4 bar	1.069,00
HORIZONTAL-LINE MIXED OUTLET • FFF						
DIAMIXNFAM *	1/2"	6	**	15	3,4 bar	605,60
DIAMIXNFBM *	3/4"	4,8	**	20	3,4 bar	609,70
DIAMIXNFCM *	1"	8,6	**	25	3,4 bar	633,40
DIAMIXNFDM *	1"1/4	12,8	**	32	3,4 bar	677,50
DIAMIXNFEM *	1"1/2	11,5	**	40	3,4 bar	692,60
DIAMIXNFFM *	2"	19,5	**	50	3,4 bar	759,90
VERTICAL-LINE MIXED OUTLET						
DIAMIXNFBV *	3/4" MMM	6,7	**	20	3,5 bar	608,50
DIAMIXNFCV *	1" MMM	11,4	**	25	3,5 bar	669,80
DIAMIXNFDV *	1"1/4 MMM	17,5	**	32	3,5 bar	755,00
DIAMIXNFEV *	1"1/2 FFF	26,8	**	40	3,5 bar	723,90
DIAMIXNFFV *	2" FFF	52,6	**	50	3,5 bar	843,90

* only for heating/cooling application

** the value refers to the most disadvantaged way (L)

4 SECOND VERSION • FAST

FAST VERSION

CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • FFF						
DIAMIXNFAQ	1/2"	6	15	25	25 bar	583,20



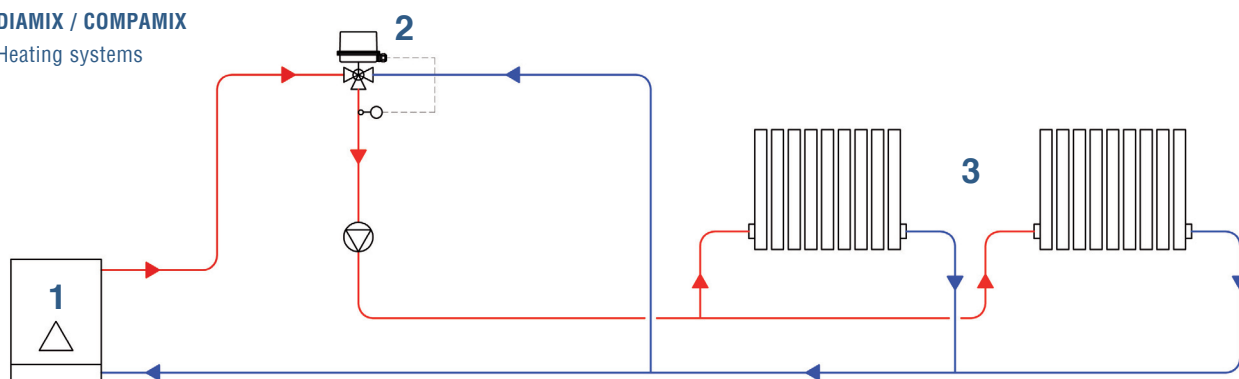
Accessories

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price. Code example: DIAMIXNBK

ID	DESCRIPTION	€	NOTES
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included
04	24V 50-60 Hz version	15,20	
D1	Spacer for insulation	41,10	Diamix - h 90
		85,40	Compamix - h 90
D2	Spacer for insulation and manual opening	69,60	Diamix - h 90
		119,90	Compamix - h 66

EXAMPLE OF USE: HEATING

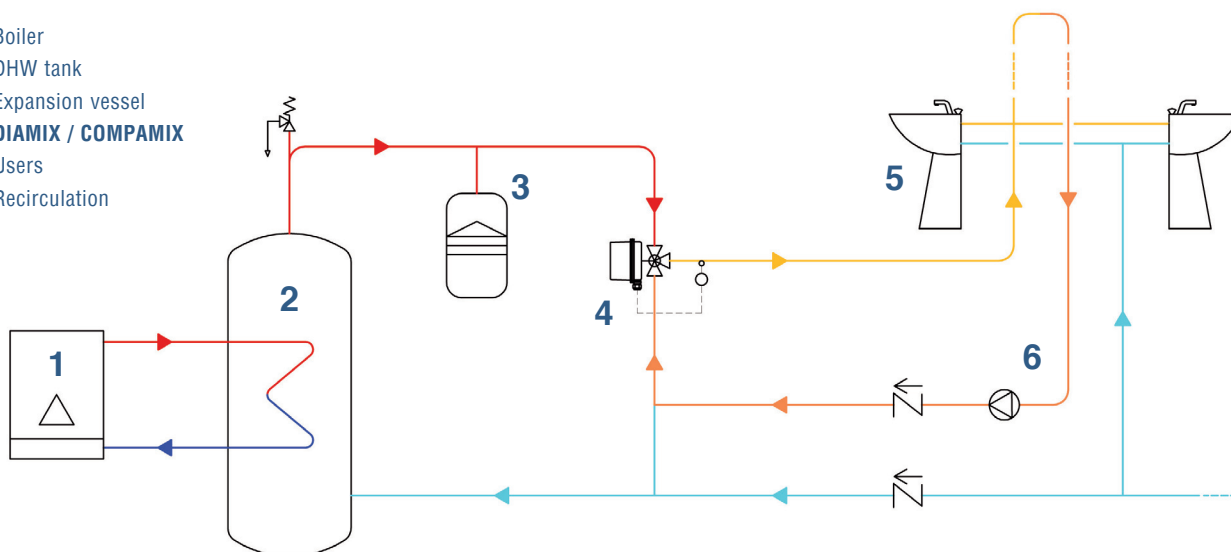
- 1 : Boiler
- 2 : DIAMIX / COMPAMIX
- 3 : Heating systems



Built-in **ELECTRONICS**
Mixing Valves

EXAMPLE OF USE: DOMESTIC

- 1 : Boiler
- 2 : DHW tank
- 3 : Expansion vessel
- 4 : DIAMIX / COMPAMIX
- 5 : Users
- 6 : Recirculation



Diamix PLUS • Compamix PLUS

i

FIXED-point • HIGHT-TEMPERATURE weather compensation • Setpoint 0 - 10V **Modbus**

- **OPERATING TIMES:**
DIAMIX PLUS 35 SEC 90°
COMPAMIX PLUS 45 SEC 90°
- **CLASS PROTECTION:** IP67
- **POWER SUPPLY:** 230V 50/60 Hz
- **110V VERSION ON REQUEST**
- **ADJUSTMENT RANGE:** -15°C to 90°C

**FUNCTIONS:**

- Fixed-point temperature control
- Temperature control with weather compensation function, high/medium temperature systems
- Remote control of the temperature, fixed-point, remote setpoint setting with 0-10V signal
- Remote management with Modbus-RTU protocol
- Comparato MixTool software for the communication between PC and mixing valve



CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • MMM						
DIAMIXPB	3/4"	11,5	20	16	16 bar	661,70
DIAMIXPC	1"	18,3	25	16	16 bar	701,70
VERTICAL MIXED OUTLET • FFF						
DIAMIXPFA	1/2"	6	15	25	25 bar	658,80
DIAMIXPFB	3/4"	11,5	20	16	16 bar	678,80
DIAMIXPFC	1"	18,3	25	16	16 bar	710,60
COMPAMIXPD	1"1/4	27,2	32	10	10 bar	972,10
COMPAMIXPE	1"1/2	47,3	40	10	6 bar	1.034,40
COMPAMIXPF	2"	73	50	10	4 bar	1.180,70
HORIZONTAL-LINE MIXED OUTLET • FFF						
DIAMIXPFAM *	1/2"	6	**	15	3,4 bar	717,30
DIAMIXPFBM *	3/4"	4,8	**	20	3,4 bar	721,70
DIAMIXPFCM *	1"	8,6	**	25	3,4 bar	745,00
DIAMIXPFDm *	1"1/4	12,8	**	32	3,4 bar	789,20
DIAMIXPFEM *	1"1/2	11,5	**	40	3,4 bar	804,30
DIAMIXPFFM *	2"	19,5	**	50	3,4 bar	871,60
VERTICAL-LINE MIXED OUTLET						
DIAMIXPFBV *	3/4" MMM	6,7	**	20	3,5 bar	720,20
DIAMIXPFCV *	1" MMM	11,4	**	25	3,5 bar	781,60
DIAMIXPFDV *	1"1/4 MMM	17,5	**	32	3,5 bar	866,80
DIAMIXPFEV *	1"1/2 FFF	26,8	**	40	3,5 bar	835,70
DIAMIXPFFV *	2" FFF	52,6	**	50	3,5 bar	955,60

* only for heating/cooling application

** the value refers to the most disadvantaged way (L)

4 SECOND VERSION • FAST**FAST VERSION**

CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • FFF						
DIAMIXPFAQ	1/2"	6	15	25	25 bar	695,00



Accessories

Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DIAMIXPBK

ID	DESCRIPTION	€	NOTES
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included
04	24V 50-60 Hz version	15,20	
D1	Spacer for insulation	41,10	Diamix PLUS - h 90
		85,40	Compamix PLUS - h 90
D2	Spacer for insulation and manual opening	69,60	Diamix PLUS - h 90
		119,90	Compamix PLUS - h 66

CODE	DESCRIPTION	€	
RFSONDAE	Sensor for external temperature for weather compensation	64,40	
USBMOD	Modbus - USB interface	38,00	

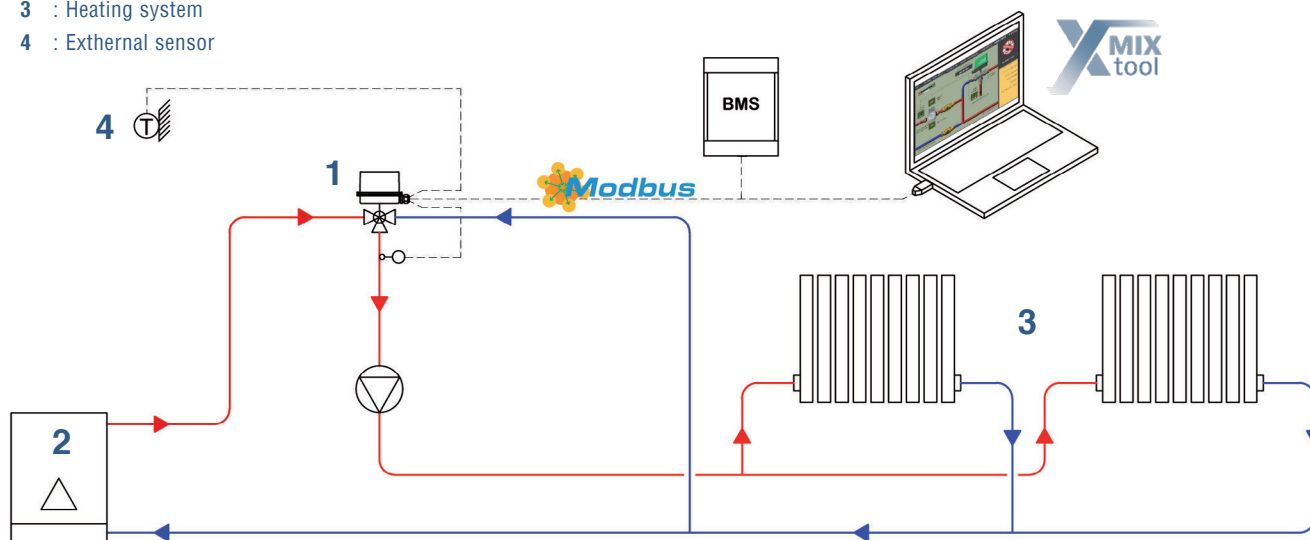
EXAMPLE OF USE: HEATING

1 : DIAMIX PLUS / COMPAMIX PLUS

2 : Boiler

3 : Heating system

4 : External sensor



EXAMPLE OF USE: REMOTE SETPOINT ADJUSTMENT

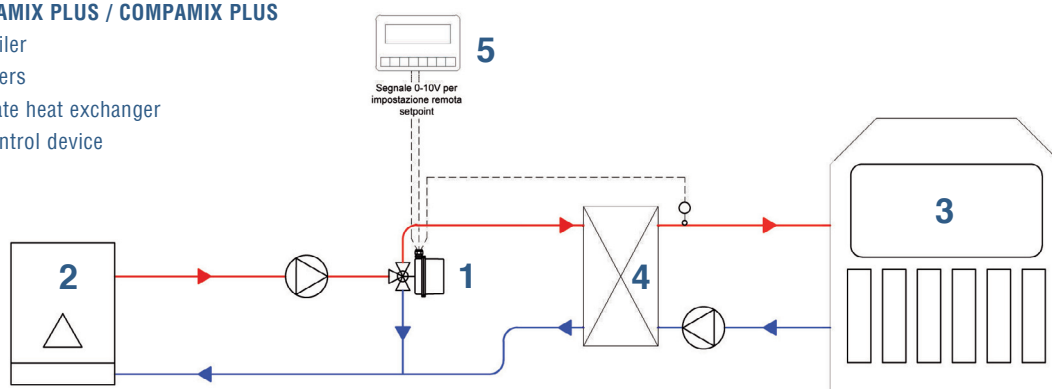
1 : DIAMIX PLUS / COMPAMIX PLUS

2 : Boiler

3 : Users

4 : Plate heat exchanger

5 : Control device



Diamix PR • Compamix PR

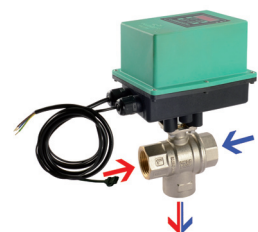
i

RADIANT PANELS

- **OPERATING TIMES:**
DIAMIX PR 35 sec 90°
COMPAMIX PR 45 sec 90°
- **CLASS PROTECTION:** IP67
- **POWER SUPPLY:** 230V 50/60 Hz
- **110V VERSION ON REQUEST**
- **ADJUSTMENT RANGE:** 24°C to 50°C Heating
10°C to 30°C Cooling

**FUNCTIONS:**

- RADIANT PANELS temperature regulation
- Fixed-point or weather compensation function
- Fixed-point or dew-point temperature tracking cooling
- Summer/winter switching
- Dehumidifier system control
- Remote management with Modbus-RTU protocol
- Comparato PRTool software for the communication between PC and mixing valve



CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • MMM						
DIAMIXPBPR	3/4"	11,5	20	16	16 bar	661,70
DIAMIXPCPR	1"	18,3	25	16	16 bar	701,70
VERTICAL MIXED OUTLET • FFF						
DIAMIXPFAPR	1/2"	6	15	25	25 bar	658,80
DIAMIXPFBPR	3/4"	11,5	20	16	16 bar	678,80
DIAMIXPFCPR	1"	18,3	25	16	16 bar	710,60
COMPAMIXPDPR	1"1/4	27,2	32	10	10 bar	972,10
COMPAMIXPEPR	1"1/2	47,3	40	10	6 bar	1.034,40
COMPAMIXPFPR	2"	73	50	10	4 bar	1.180,70
HORIZONTAL-LINE MIXED OUTLET • FFF						
DIAMIXPFAPRM	1/2"	6 *	15	16	3,4 bar	717,30
DIAMIXPFBPRM	3/4"	4,8 *	20	16	3,4 bar	721,70
DIAMIXPFCPRM	1"	8,6 *	25	16	3,4 bar	745,00
DIAMIXPFDPRM	1"1/4	12,8 *	32	16	3,4 bar	789,20
DIAMIXPFEPRM	1"1/2	11,5 *	40	16	3,4 bar	804,30
DIAMIXPFFPRM	2"	19,5 *	50	16	3,4 bar	871,60
VERTICAL-LINE MIXED OUTLET						
DIAMIXPFBPRV	3/4" MMM	6,7 *	20	16	3,5 bar	720,20
DIAMIXPFCPRV	1" MMM	11,4 *	25	16	3,5 bar	781,60
DIAMIXPFDPRV	1"1/4 MMM	17,5 *	32	16	3,5 bar	866,80
DIAMIXPFEPRV	1"1/2 FFF	26,8 *	40	16	3,5 bar	835,70
DIAMIXPFFPRV	2" FFF	52,6 *	50	16	3,5 bar	955,60

* the value refers to the most disadvantaged way (L)



Accessories

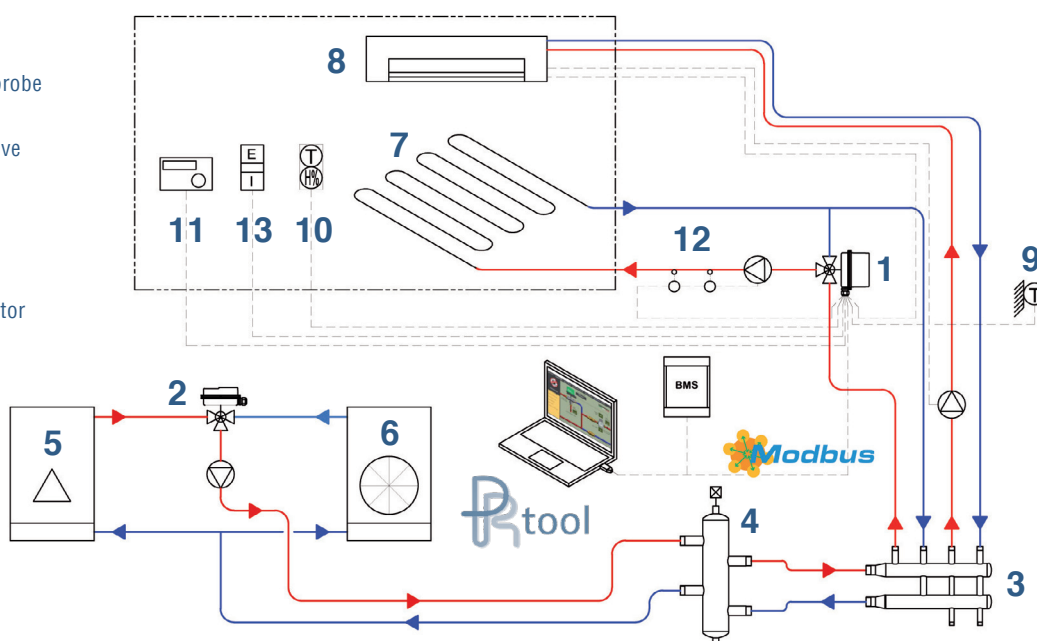
Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DIAMIXPBPRK

ID	DESCRIPTION	€	NOTES
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included
04	24V 50-60 Hz version	15,20	
D1	Spacer for insulation	41,10 85,40	Diamix PR - h 90 Compamix PR - h 90
D2	Spacer for insulation and manual opening	69,60 119,90	Diamix PR - h 90 Compamix PR - h 66

CODE	DESCRIPTION	€
RFSONDAE	Sensor for external temperature for weather compensation	64,40
AL24VDC	Power supply 24 V DC	153,40
RFRUEE10	Temperature and humidity probe for anti-condensing function	388,90
see p. 202	Room thermostat	
USBMOD	Modbus-USB interface	38,00

EXAMPLE OF USE: RADIANT PANEL HEATING / COOLING

- 1 : DIAMIX PR / COMPAMIX PR
- 2 : Diamant PRO / Compact PRO / Universal PRO
- 3 : DIACOL manifold
- 4 : DIACOM hydraulic separator
- 5 : Boiler
- 6 : Chiller
- 7 : Radiant panel system
- 8 : Dehumidifier
- 9 : External temperature probe for climatic function
- 10 : Temperature and relative humidity sensor
- 11 : Room thermostat
- 12 : Safety thermostats heating / cooling
- 13 : Summer / winter selector



Diamix L • Compamix L



i

ANTI-LEGIONELLA FUNCTION



- **OPERATING TIMES:**
DIAMIX L 12 SEC 90°
COMPAMIX L 45 SEC 90°
- **CLASS PROTECTION:** IP67
- **POWER SUPPLY:** 230V 50/60 Hz
- **110V VERSION ON REQUEST**
- **ADJUSTMENT RANGE:** 30°C to 65°C



FUNCTIONS:

- Domestic hot water mixing
- Programmable thermal disinfection cycle
- Completed cycle storage
- Recirculation pump hour scheduling
- Remote management with Modbus-RTU protocol
- Comparato LegioTool software for the communication between PC and mixing valve
- Comparato DIMmix software for Mixing Valve sizing



CODE	CONNECTION	Kv _s	DN	PN	Δp max	€
VERTICAL MIXED OUTLET • MMM						
DIAMIXPBL *	3/4"	11,5	20	16	16 bar	797,00
DIAMIXPCL *	1"	18,3	25	16	16 bar	836,90
VERTICAL MIXED OUTLET • FFF						
DIAMIXPFAL *	1/2"	6	15	25	25 bar	793,90
DIAMIXPFBL *	3/4"	11,5	20	16	16 bar	814,10
DIAMIXPFCL *	1"	18,3	25	16	16 bar	845,90
COMPAMIXPDL	1"1/4	27,2	32	10	10 bar	1.080,30
COMPAMIXPEL	1"1/2	47,3	40	10	6 bar	1.142,60
COMPAMIXPFL	2"	73	50	10	4 bar	1.288,90

* Power supply 230V 60Hz on request

ANTI-LEGIONELLA FUNCTION FOCUS

Besides all the functions of standard version, Diamix L or Compamix L mixing / thermo-regulating valve has a specific software which allows the actuator to make autonomously all processes of thermal disinfection in plants with recirculation ring. In this way, the danger of **presence and proliferation of legionella bacteria is noticeably reduced**. The multiple variables connected to the realization of plants where this equipment can be installed are so numerous that it is impossible to totally exclude the risk.



Accessories

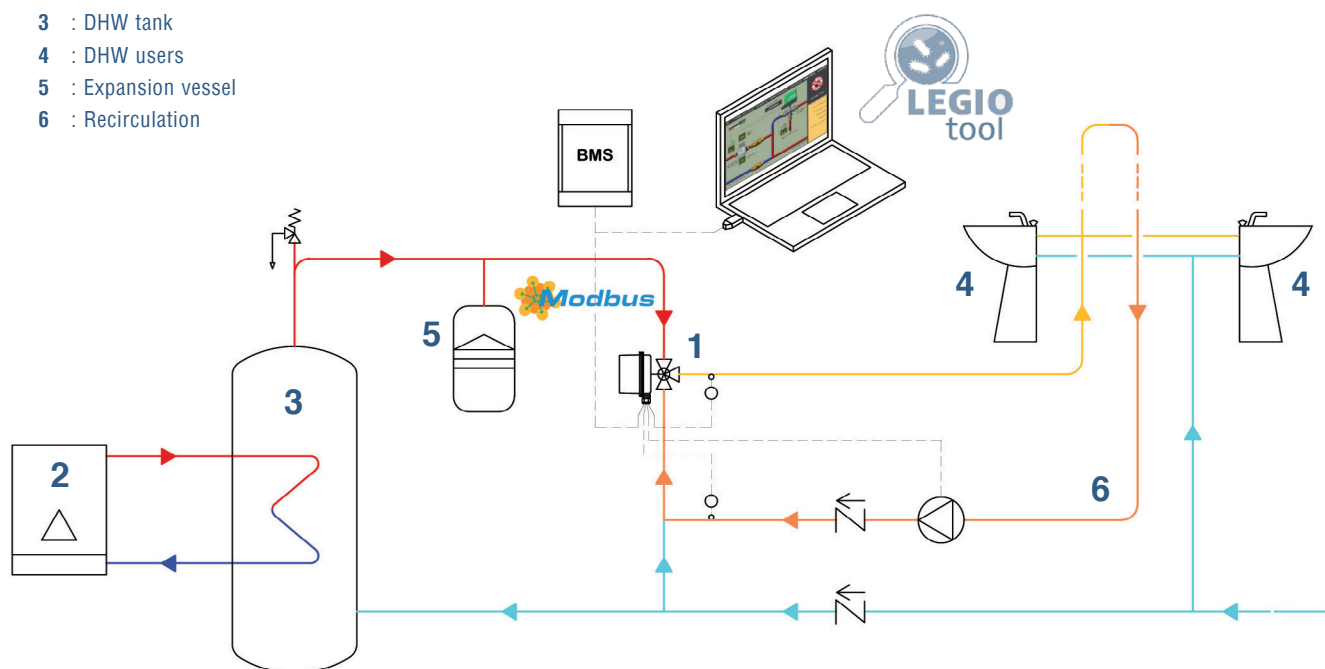
Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price. Code example: DIAMIXPBLK

ID	DESCRIPTION	€	NOTE
K	Brass immersion temperature probe	34,40	G 1/8" - pocket not included
04	24V 50-60 Hz version	15,20	
D1	Spacer for insulation	41,10	Diamix L - h 90
		85,40	Compamix L - h 90
D2	Spacer for insulation and manual opening	69,60	Diamix L - h 90
		119,90	Compamix L - h 66

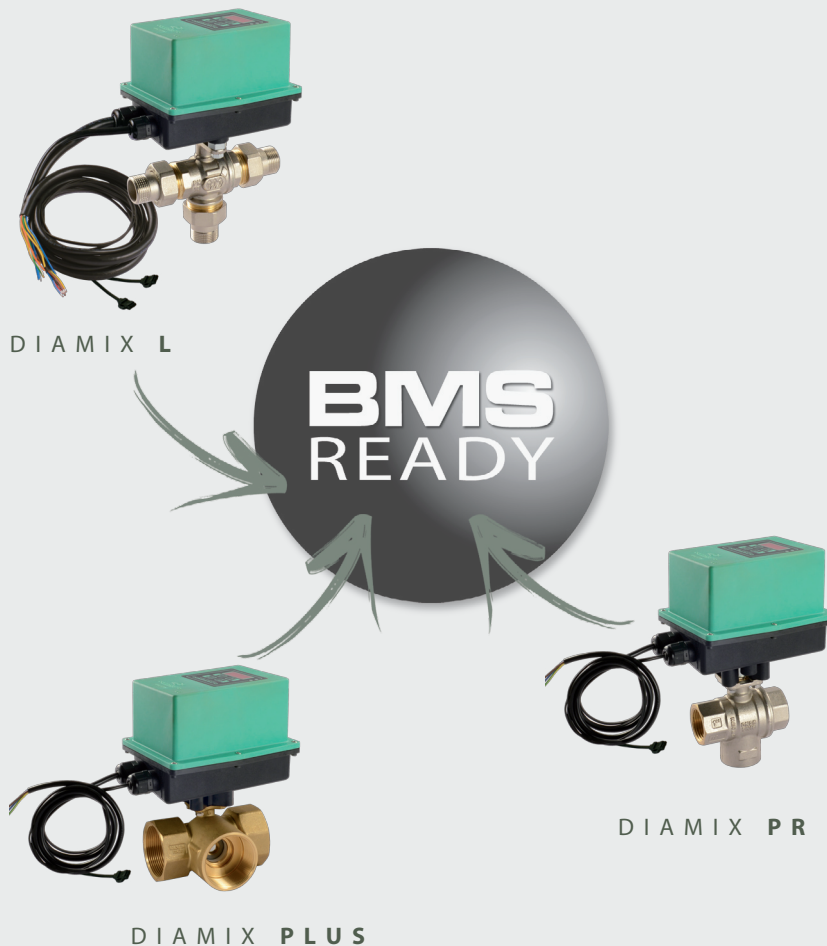
CODE	DESCRIPTION	€	
USBMOD	Modbus-USB interface	38,00	

EXAMPLE OF USE: DOMESTIC HOT WATER SYSTEM

- 1 : DIAMIX L / COMPAMIX L
- 2 : Boiler
- 3 : DHW tank
- 4 : DHW users
- 5 : Expansion vessel
- 6 : Recirculation



MIXING VALVES with **BUILT-IN ELECTRONIC**



A Building Management System is a system designed for buildings, which controls and monitors their systems and their mechanical and electrical equipments. It allows the remote management through a single interface. The manager has full remote access to the control, feedback and programming of each unit. The new generation of Comparato's thermoregulating valves interface with BMS systems through a Modbus-RTU communication protocol.

The Modbus is an open communication protocol which is now the effective standard all around the world. Its easy implementation makes the Modbus very popular in the building automation industry, too.

BALANCING SYSTEMS



Pressure Independent Control Valve
PICV

**SINTESI
DIAMANT**

112



Control valves for
ELECTRONIC FLOW RATE CONTROL

ePICV

114



Control valves for electronic
RETURN TEMPERATURE CONTROL

eRTCV

116



Control valves for
TEMPERATURE DIFFERENTIAL CONTROL

DTCV

118



PICV Balancing ball valve

- P.I.C.V.: PRESSURE INDEPENDENT CONTROL VALVE
- EQUAL PERCENTAGE BALL PROFILE
- SHUT-OFF FUNCTION
- APPLICATION EXAMPLE P. 113



CODE	CONNECTION	DN	PN	Qmax [l/h]	€
SCPV15A	1/2"	15	25	360	270,70
SCPV15B	1/2"	15	25	700	270,70
SCPV15C	1/2"	15	25	1.000	270,70
SCPV20A	3/4"	20	25	780	282,20
SCPV20B	3/4"	20	25	1.150	282,20
SCPV25A	1"	25	25	2.200	463,10
SCPV25B	1"	25	25	2.700	480,50
SCPV32A	1"1/4	25	25	3.000	533,10
SCPV32B	1"1/4	25	25	4.000	538,90



PICV Balancing ball valve

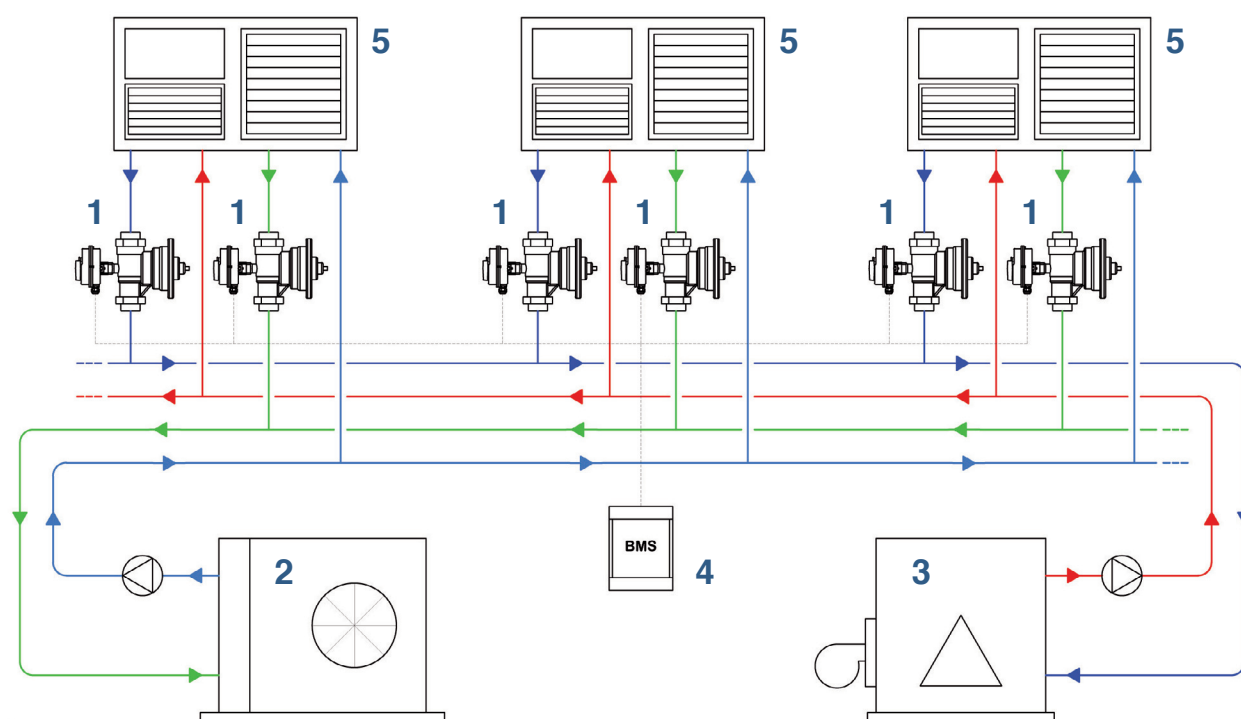
- P.I.C.V.: PRESSURE INDEPENDENT CONTROL VALVE
- EQUAL PERCENTAGE BALL PROFILE
- SHUT-OFF FUNCTION



CODE	CONNECTION	DN	PN	Qmax [l/h]	€
DCPV40A	1"1/2	40	16	6.000	1.232,00
DCPV40B	1"1/2	40	16	9.000	1.232,00
DCPV50A	2"	50	16	12.000	1.953,90
DCPV50B	2"	50	16	18.000	2.305,50

EXAMPLE OF USE: 4-PIPE HEATING / COOLING SYSTEM

- 1 : Diamant PILOT PICV
 2 : Chiller
 3 : Boiler
 4 : External management electronics
 5 : A.H.U.



THE PICV COMBINES THE DIFFERENTIAL PRESSURE CONTROL FUNCTION WITH THE FEATURES OF A REGULATION VALVE AND A 2-WAY CONTROL VALVE.



Regulating valves for electronic flow control



FEATURES AND FUNCTIONS

- Pressure-independent flow rate control
- 2-way regulating ball valve with equal percentage profile
- Shut-off function
- Flow sensor with Vortex technology
- Integrated control panel and datalogger function
- Analogue signal 0-10V for flow rate setpoint
- Modbus-RTU remote management

CODE	CONNECTION	DN	PN *	Kvs (m³/h)	FLOW RATE min/max	€
POWER SUPPLY 230V 50/60 Hz						
EPICV2215	G1/2"B	15	8	1,2	0,05 ÷ 0,9 m³/h	839,91
EPICV2220	G3/4"B	20	8	2,8	0,11 ÷ 1,9 m³/h	860,21
EPICV2225	G1"B	25	8	4,7	0,21 ÷ 3,0 m³/h	886,11
EPICV2232	G1"1/4B	32	8	7,7	0,3 ÷ 5,1 m³/h	991,81
EPICV2240	G1"1/2B	40	8	12,4	0,54 ÷ 9,0 m³/h	1.229,81
POWER SUPPLY 24V 50/60 Hz						
EPICV2415	G1/2"B	15	8	1,2	0,05 ÷ 0,9 m³/h	855,01
EPICV2420	G3/4"B	20	8	2,8	0,11 ÷ 1,9 m³/h	875,31
EPICV2425	G1"B	25	8	4,7	0,21 ÷ 3,0 m³/h	901,21
EPICV2432	G1"1/4B	32	8	7,7	0,3 ÷ 5,1 m³/h	1.006,91
EPICV2440	G1"1/2B	40	8	12,4	0,54 ÷ 9,0 m³/h	1.244,91

* PN16 version available on request

Accessories

CODE	DN	€
INSULATION		
CBCV15	15	28,60
CBCV20	20	28,60
CBCV25	25	30,00
CBCV32	32	50,00
CBCV40	40	60,00

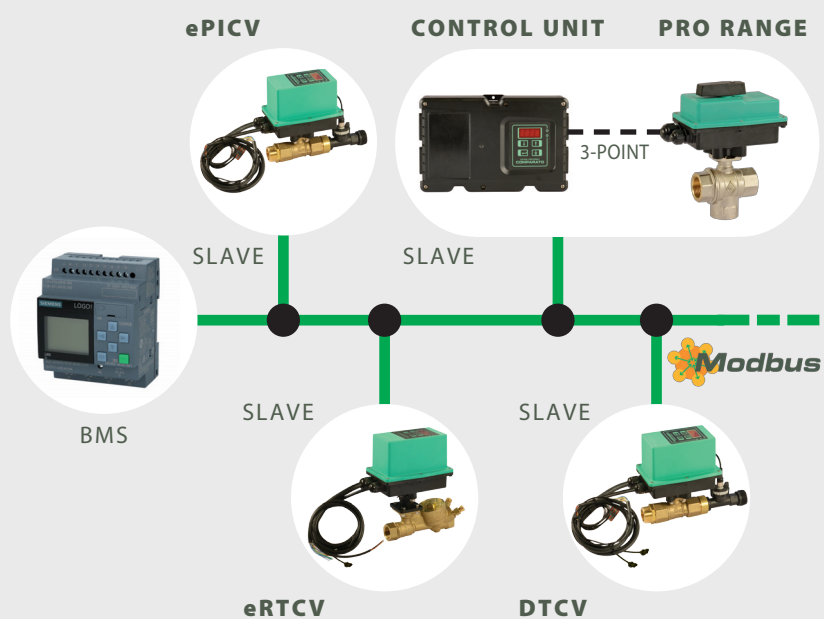


Modbus is a communication serial protocol commonly used in industrial automations.



- ✓ STANDARD
- ✓ EASY TO USE
- ✓ RAPIDITY
- ✓ NO HARDWARE LIMITS
- ✓ RELIABLE COMMUNICATION

SYSTEM ARCHITECTURE





Regulating valves for electronic return temperature control



FEATURES AND FUNCTIONS

- Pressure-independent flow rate control
- Return temperature control for heating and/or cooling systems
- Shut-off function
- Contact temperature sensors
- Integrated control panel and datalogger function
- Analogue signal 0-10V for flow rate setpoint
- Modbus-RTU remote management

CODE + Calibration	CONNECTION	DN	PN	FLOW RATE max	€
POWER SUPPLY 230V 50/60 Hz					
ERTCV2215A _	1/2"	15	25	0,36 m³/h	805,00
ERTCV2215B _	1/2"	15	25	0,70 m³/h	
ERTCV2215C _	1/2"	15	25	1,0 m³/h	
ERTCV2220A _	3/4"	20	25	0,78 m³/h	810,50
ERTCV2220B _	3/4"	20	25	1,15 m³/h	
ERTCV2225A _	1"	25	25	2,2 m³/h	
ERTCV2225B _	1"	25	25	2,7 m³/h	1.124,60
ERTCV2225C _	1"1/4	25	25	3,0 m³/h	
ERTCV2225D _	1"1/4	25	25	4,0 m³/h	
ERTCV2240A _	1"1/2	40	16	6,0 m³/h	1.830,50
ERTCV2240B _	1"1/2	40	16	9,0 m³/h	
ERTCV2250A _	2"	50	16	12,0 m³/h	
ERTCV2250B _	2"	50	16	18,0 m³/h	2.891,50

INSERT THE LETTER CORRESPONDING TO THE REGULATOR CALIBRATION AT THE END OF THE CODE



Regulator calibration

A	 Radiators
B	 Radiant panels
C	 Fancoil



CODE + Calibration	CONNECTION	DN	PN	FLOW RATE max	€
POWER SUPPLY 24V 50/60 Hz					
ERTCV2415A	1/2"	15	25	0,36 m³/h	820,10
ERTCV2415B	1/2"	15	25	0,70 m³/h	
ERTCV2415C	1/2"	15	25	1,0 m³/h	
ERTCV2420A	3/4"	20	25	0,78 m³/h	825,60
ERTCV2420B	3/4"	20	25	1,15 m³/h	
ERTCV2425A	1"	25	25	2,2 m³/h	1.139,70
ERTCV2425B	1"	25	25	2,7 m³/h	
ERTCV2425C	1"1/4	25	25	3,0 m³/h	1.200,20
ERTCV2425D	1"1/4	25	25	4,0 m³/h	
ERTCV2440A	1"1/2	40	16	6,0 m³/h	1.845,60
ERTCV2440B	1"1/2	40	16	9,0 m³/h	
ERTCV2450A	2"	50	16	12,0 m³/h	2.906,60
ERTCV2450B	2"	50	16	18,0 m³/h	

INSERT THE LETTER CORRESPONDING TO THE REGULATOR CALIBRATION AT THE END OF THE CODE



Regulator calibration

A	 Radiators
B	 Radiant panels
C	 Fancoil

Accessories

CODE	CONNECTION	€
INSULATION		
CBCV15R	1/2"	42,90
CBCV20R	3/4"	42,90
CBCV25R	1"	45,00
CBCV32R	1"1/4	75,00
CBCV40R	1"1/2	on request
CBCV50R	2"	on request



Regulating valves for electronic differential temperature control



FEATURES AND FUNCTIONS

- Pressure-independent flow rate control
- Δt control with flow rate limitation
- Δt control with power limitation
- Energy Monitoring
- 2-way regulating ball valve with equal percentage profile
- Shut-off function
- Contact temperature sensors
- Flow sensor with Vortex technology
- Integrated monitoring and control interface
- Analog inputs and digital outputs
- Modbus-RTU remote management

CODE	CONNECTION	DN	PN *	Kvs (m³/h)	FLOW RATE min/max	€
ALIMENTAZIONE ELETTRICA 230V 50/60 Hz						
DTCV2215	—	G1/2"B	15 8	1,2	0,05 ÷ 0,9 m³/h	938,70
DTCV2220	—	G3/4"B	20 8	2,8	0,11 ÷ 1,9 m³/h	959,00
DTCV2225	—	G1"B	25 8	4,7	0,21 ÷ 3,0 m³/h	984,90
DTCV2232	—	G1"1/4B	32 8	7,7	0,3 ÷ 5,1 m³/h	1.090,60
DTCV2240	—	G1"1/2B	40 8	12,4	0,54 ÷ 9,0 m³/h	1.328,60
ALIMENTAZIONE ELETTRICA 24V 50/60 Hz						
DTCV2415	—	G1/2"B	15 8	1,2	0,05 ÷ 0,9 m³/h	953,80
DTCV2420	—	G3/4"B	20 8	2,8	0,11 ÷ 1,9 m³/h	974,10
DTCV2425	—	G1"B	25 8	4,7	0,21 ÷ 3,0 m³/h	1.000,00
DTCV2432	—	G1"1/4B	32 8	7,7	0,3 ÷ 5,1 m³/h	1.105,70
DTCV2440	—	G1"1/2B	40 8	12,4	0,54 ÷ 9,0 m³/h	1.343,70

* PN16 version available on request

INSERT THE LETTER CORRESPONDING TO THE REGULATOR CALIBRATION AT THE END OF THE CODE



Regulator calibration

A
B
C

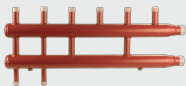
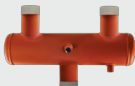
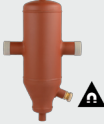
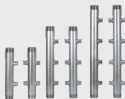


Radiators
Radiant panels
Fancoil

Accessories

CODE	DN	€
INSULATION		
CBCV15	15	28,60
CBCV20	20	28,60
CBCV25	25	30,00
CBCV32	32	50,00
CBCV40	40	60,00

COMPONENTS FOR CENTRAL HEATING SYSTEMS

	Manifolds DIACOL	120
	Manifolds for circulation pumps DIACOP	125
	Hydraulic separators DIACOM	126
	3-circuit hydraulic separators DIADIS	127
	Deposit separators DIADEF	128
	Magnetic deposit separators DIADEF MAGNETIC	129
	Magnetic filters DIAFIL	130
	Air separators DIASEP	131
	Devices holder INAIL SAFETY	132
	DEAREATORS	132
	STAINLESS STEEL manifolds DIAS	132
	Venturi ejector DIASOL	133

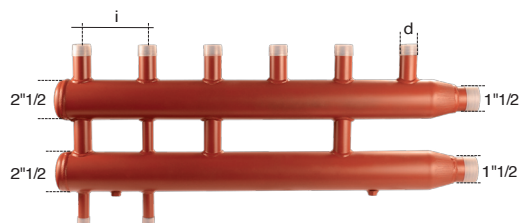
Diacol 125

*i*

DN 25 connections

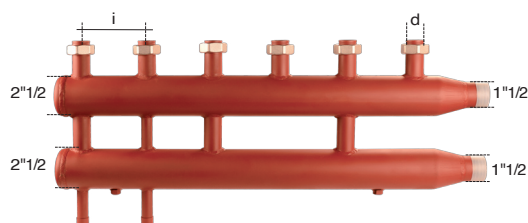
- INTERAXIS: 125 mm
- DUAL

INOX ON REQUEST



THREAD 1" M

CODE	ZONES	d	i	€
C02D01	2	1"	125 mm	174,50
C03D01	3	1"	125 mm	230,30
C04D01	4	1"	125 mm	274,40
C05D01	5	1"	125 mm	332,70
C06D01	6	1"	125 mm	392,20



NUT 1" 1/4

CODE	ZONES	d	i	€
C02D01GR	2	1"	125 mm	182,80
C03D01GR	3	1"	125 mm	278,80
C04D01GR	4	1"	125 mm	349,50
C05D01GR	5	1"	125 mm	419,70
C06D01GR	6	1"	125 mm	481,80

INSULATION



CODE	ZONES	i	€
CBC02D01	2	125 mm	54,60
CBC03D01	3	125 mm	78,00
CBC04D01	4	125 mm	101,30
CBC05D01	5	125 mm	124,60
CBC06D01	6	125 mm	147,80

Accessory

FIXING KIT



CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70

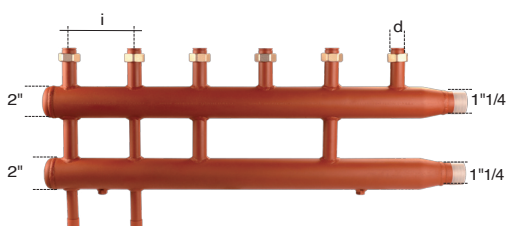
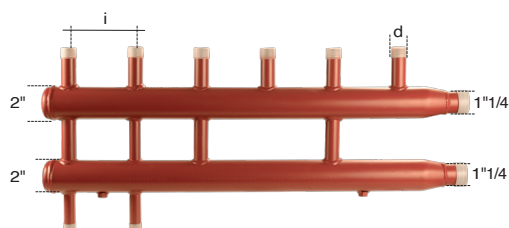
Diacol 125

*i*

DN 20 connections

- INTERAXIS: 125 mm
- DUAL

INOX ON REQUEST



INSULATION



THREAD 3/4"M

CODE	ZONES	d	i	€
C02D34	2	3/4"	125 mm	155,70
C03D34	3	3/4"	125 mm	211,30
C04D34	4	3/4"	125 mm	256,00
C05D34	5	3/4"	125 mm	317,40
C06D34	6	3/4"	125 mm	362,30

NUT 1"

CODE	ZONES	d	i	€
SUITABLE FOR PUMP UNITS				
C02D34GR	2	3/4"	125 mm	171,60
C03D34GR	3	3/4"	125 mm	231,00
C04D34GR	4	3/4"	125 mm	284,90
C05D34GR	5	3/4"	125 mm	334,00
C06D34GR	6	3/4"	125 mm	381,50

CODE	ZONES	i	€
CBC02D34	2	125 mm	55,40
CBC03D34	3	125 mm	79,00
CBC04D34	4	125 mm	102,70
CBC05D34	5	125 mm	126,30
CBC06D34	6	125 mm	150,00

Accessory



FIXING KIT

CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70

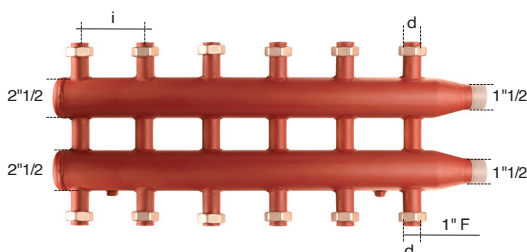
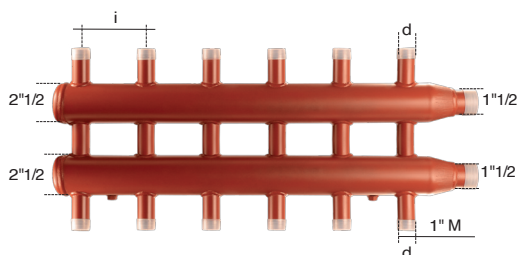
Diacol 125

*i*

DN 25 connections

- INTERAXIS: 125 mm
- DUAL
- OPPOSED CONNECTIONS

INOX ON REQUEST



INSULATION



THREAD 1" M

CODE	ZONES	d	i	€
C21D01	2+1	1"	125 mm	205,50
C22D01	2+2	1"	125 mm	233,40
C31D01	3+1	1"	125 mm	260,80
C32D01	3+2	1"	125 mm	290,90
C33D01	3+3	1"	125 mm	307,30
C41D01	4+1	1"	125 mm	300,50
C42D01	4+2	1"	125 mm	323,60
C51D01	5+1	1"	125 mm	381,00

NUT 1" 1/4

CODE	ZONES	d	i	€
C21D01GR	2+1	1"	125 mm	232,90
C22D01GR	2+2	1"	125 mm	274,60
C31D01GR	3+1	1"	125 mm	305,70
C32D01GR	3+2	1"	125 mm	340,40
C33D01GR	3+3	1"	125 mm	381,20
C41D01GR	4+1	1"	125 mm	361,50
C42D01GR	4+2	1"	125 mm	401,80
C51D01GR	5+1	1"	125 mm	467,90

CODE	ZONES	i	€
CBC21D01	2+1	125 mm	53,30
CBC22D01	2+2	125 mm	53,30
CBC31D01	3+1	125 mm	75,90
CBC32D01	3+2	125 mm	75,90
CBC33D01	3+3	125 mm	75,90
CBC41D01	4+1	125 mm	98,50
CBC42D01	4+2	125 mm	98,50
CBC51D01	5+1	125 mm	121,10

Accessory



FIXING KIT

CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70

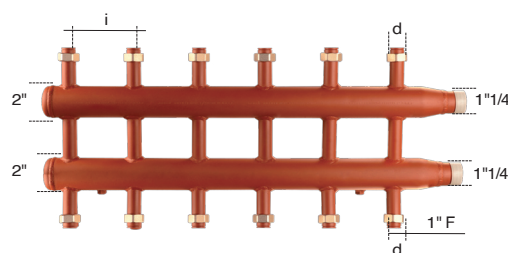
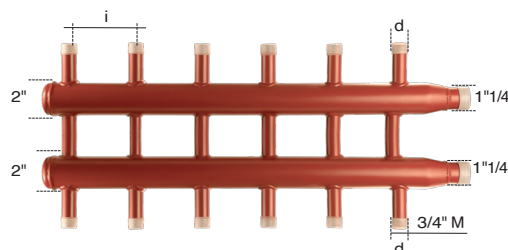
Diacol 125

*i*

DN 20 connections

- INTERAXIS: 125 mm
- DUAL
- OPPOSED CONNECTIONS

INOX ON REQUEST



INSULATION



THREAD 3/4" M

CODE	ZONES	d	i	€
C21D34	2+1	3/4"	125 mm	189,70
C22D34	2+2	3/4"	125 mm	219,90
C31D34	3+1	3/4"	125 mm	234,20
C32D34	3+2	3/4"	125 mm	270,50
C33D34	3+3	3/4"	125 mm	298,60
C41D34	4+1	3/4"	125 mm	279,30
C42D34	4+2	3/4"	125 mm	308,20
C51D34	5+1	3/4"	125 mm	344,10

NUT 1"

CODE	ZONES	d	i	€
SUITABLE FOR PUMP UNITS				
C21D34GR	2+1	3/4"	125 mm	212,60
C22D34GR	2+2	3/4"	125 mm	249,20
C31D34GR	3+1	3/4"	125 mm	266,00
C32D34GR	3+2	3/4"	125 mm	296,40
C33D34GR	3+3	3/4"	125 mm	331,90
C41D34GR	4+1	3/4"	125 mm	313,30
C42D34GR	4+2	3/4"	125 mm	348,70
C51D34GR	5+1	3/4"	125 mm	407,50

CODE	ZONES	i	€
CBC21D34	2+1	125 mm	54,10
CBC22D34	2+2	125 mm	54,10
CBC31D34	3+1	125 mm	77,10
CBC32D34	3+2	125 mm	77,10
CBC33D34	3+3	125 mm	77,10
CBC41D34	4+1	125 mm	100,00
CBC42D34	4+2	125 mm	100,00
CBC51D34	5+1	125 mm	122,90

Accessory



FIXING KIT

CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70

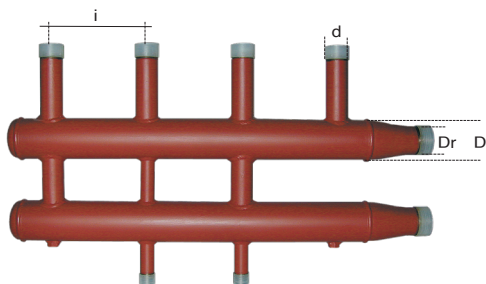
Diacol 140

*i*

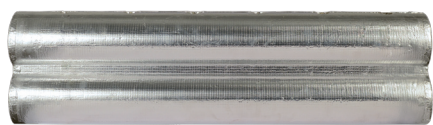
DN 25 connections

- INTERAXIS: 140 mm
- DUAL

INOX ON REQUEST



INSULATION



THREAD 1" M

CODE	ZONES	Dr	d	D	i	€
C2T	2	1"1/4 M	1"	2"	140 mm	175,90
C3T	3	1"1/2 M	1"	2"1/2	140 mm	234,50
C4T	4	1"1/2 M	1"	3"	140 mm	331,70
C5T	5	2" M	1"	3"	140 mm	389,70
C6T	6	2" M	1"	3"	140 mm	449,60

CODE	ZONES	i	€
CBC2T	2	140 mm	83,00
CBC3T	3	140 mm	107,50
CBC4T	4	140 mm	139,00
CBC5T	5	140 mm	149,00
CBC6T	6	140 mm	168,30

THREAD 1" M • OPPOSED CONNECTIONS

CODE	ZONES	Dr	d	D	i	€
C21T	2+1	1"1/2 M	1"	2"1/2	140 mm	248,00
C22T	2+2	1"1/2 M	1"	3"	140 mm	314,60
C31T	3+1	1"1/2 M	1"	3"	140 mm	362,70
C32T	3+2	2" M	1"	3"	140 mm	387,60
C33T	3+3	2" M	1"	3"	140 mm	447,70
C41T	4+1	2" M	1"	3"	140 mm	429,20
C42T	4+2	2" M	1"	3"	140 mm	484,60
C51T	5+1	2" M	1"	3"	140 mm	547,40

Accessory



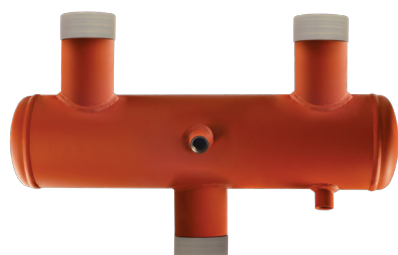
FIXING KIT

CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70



MANIFOLD for parallel coupling of **CIRCULATION PUMPS**

INOX ON REQUEST

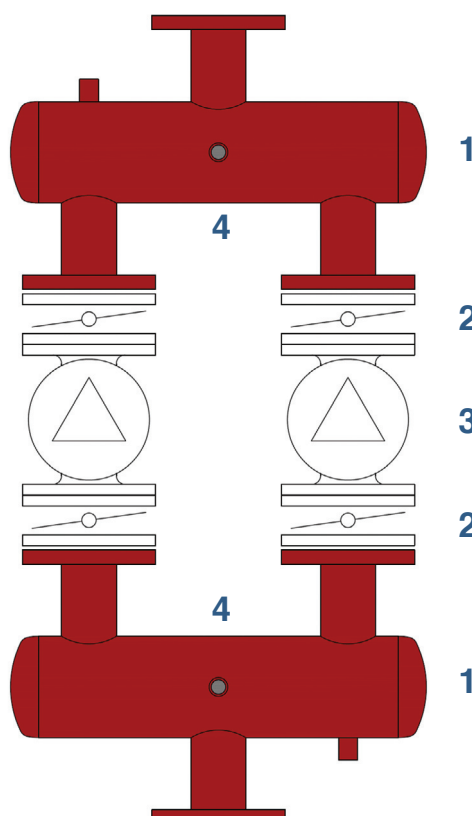


CODE	CONNECTIONS	BODY	INTERAXIS	€
THREADED				
P001	1" M	2"	260 mm	80,00
P114	1"1/4 M	2"1/2	260 mm	93,00
P112	1"1/2 M	2"1/2	300 mm	96,00
P002	2" M	4"	360 mm	148,90



CODE	CONNECTIONS	BODY	INTERAXIS	€
FLANGED				
P212	DN65	5"	360 mm	375,00
P003	DN80	5"	400 mm	430,00
P004	DN100	6"	400 mm	577,00

EXAMPLE OF USE



- 1 : DIACOP
- 2 : Interception valves
- 3 : Pumps
- 4 : Sleeve Ø1/2" for manometer

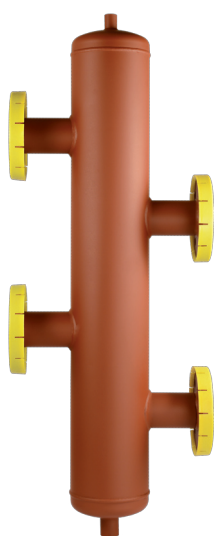
**Additional functions of AIR and DEPOSIT SEPARATOR**

- Quotations on request for non-standard hydraulic separators according to customer's design

INOX ON REQUEST

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
THREADED					
C001	1" M	3"	2 ÷ 2,8	2,2	197,80
C114	1"1/4 M	4"	3,5 ÷ 5	5	271,10
C112	1"1/2 M	4"	5 ÷ 7,1	6	280,90
C002	2" M	5"	8 ÷ 11,3	12	300,20

Δp 100 daPa Δp 200 daPa



CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
FLANGED					
C212	DN 65	6"	12 ÷ 17	21	741,40
C003	DN 80	8"	18 ÷ 25,5	42	935,80
C004	DN 100	10"	30 ÷ 42,5	84	1.444,10
C005	DN 125	12"	50 ÷ 70,5	146	2.324,50
C006	DN 150	16"	70 ÷ 99	260	3.400,30
C008	DN 200	20"	120 ÷ 170	548	5.292,20 **
C010 *	DN 250	800 mm	150 ÷ 212	1.483	11.777,60 **
C012 *	DN 300	990 mm	220 ÷ 315	2.446	13.480,30 **

* coaxial connection

Δp 100 daPa Δp 200 daPa

**** References C010 • C012 are supplied ex works. Transport is borne and arranged by the Customer****INSULATION**

CODE	OUTLETS	€
CBC001	1"	41,70
CBC114	1"1/4	56,60
CBC112	1"1/2	62,30
CBC002	2"	78,40
CBC212 *	DN 65	90,30
CBC003 *	DN 80	144,60
CBC004 *	DN 100	169,70

* silver insulation



INDEPENDENT 3-CIRCUITS

Hydraulic separators for three independent hydraulic circuits. Uses:

- one boiler that supplies two zones (eg: high and low temperature);
- two independent heating sources that supply the same plant.

INOX ON REQUEST



INSULATION



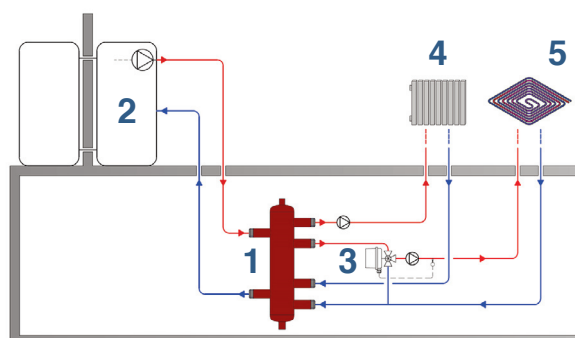
CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
THREADED					
T001	1" M	3"	2 ÷ 2,8	2,2	256,00
T114	1"1/4 M	4"	3,5 ÷ 5	5	310,90
T112	1"1/2 M	4"	5 ÷ 7,1	6	316,40
T002	2" M	5"	8 ÷ 11,3	12	318,50

Δp 100 daPa Δp 200 daPa

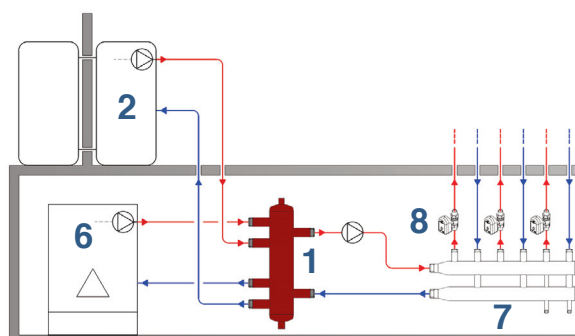
CODE	OUTLETS	€
CBT001	1"	99,10
CBT114	1"1/4	119,20
CBT112	1"1/2	138,70
CBT002	2"	184,50

EXAMPLE OF USE: DUAL USE

HIGH AND LOW
TEMPERATURE SYSTEM
WITH A SINGLE GENERATOR



HYBRID SYSTEM
BOILER + PDC



- 1 : DIADIS
- 2 : Heat pump
- 3 : DIAMIX PR / COMPAMIX PR mixing valve
- 4 : Heater plant
- 5 : Radiant panel plant
- 6 : Boiler
- 7 : DIACOL Manifold
- 8 : SINTESI actuated zone valve

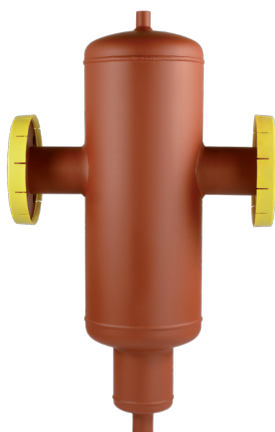
**Additional functions of AIR SEPARATOR**

- Quotations on request for non-standard deposit separators according to customer's design

INOX ON REQUEST

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]			VOLUME [ℓ]	€
THREADED							
DF001	1" M	3"	2	÷	2,8	1,7	256,80
DF114	1"1/4 M	4"	3,8	÷	5,3	3,4	302,20
DF112	1"1/2 M	4"	4,1	÷	5,8	3,7	336,40
DF002	2" M	5"	6,0	÷	8,4	6,4	398,10

Δp 100 daPa Δp 200 daPa



CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]		VOLUME [ℓ]	€
FLANGED						
DF212	DN 65	6"	10,7	÷ 15,1	10	618,90
DF003	DN 80	8"	17,1	÷ 24,1	21	1.017,90
DF004	DN 100	10"	34,7	÷ 49,1	36	1.286,60
DF005	DN 125	12"	51,6	÷ 73	59	1.711,60
DF006	DN 150	16"	80,4	÷ 113	119	2.810,10
DF008	DN 200	20"	138	÷ 195	227	3.985,60

Δp 100 daPa Δp 200 daPa

INSULATION

CODE	OUTLETS	€
CBDF001	1"	46,50
CBDF114	1"1/4	59,60
CBDF112	1"1/2	67,40
CBDF002	2"	74,20
CBDF212	DN 65	89,70
CBDF003	DN 80	115,80
CBDF004	DN 100	138,50

Diadef Magnetico

*i*

Hydrocyclonic deposit separator with INTEGRATED MAGNET

- Quotations on request for non-standard hydrocyclonic deposit separators according to customer's design



CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
THREADED					
DFI001	1" M	4"	1,7 ÷ 2,3	2,6	394,20
DFI114	1"1/4 M	5"	2,4 ÷ 3,5	4,3	426,60
DFI112	1"1/2 M	5"	3,3 ÷ 4,6	4,7	453,90
DFI002	2" M	6"	4,8 ÷ 6,7	8	527,70

Δp 100 daPa Δp 200 daPa



CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
FLANGED					
DFI212	DN 65	8"	8,6 ÷ 12,1	16	845,10
DFI003	DN 80	8"	13,6 ÷ 18,3	22	1.237,30
DFI004	DN 100	10"	26 ÷ 36,8	34	1.520,80

Δp 100 daPa Δp 200 daPa

INSULATION



CODE	OUTLETS	€
CBDFI001	1"	87,40
CBDFI114	1"1/4	107,00
CBDFI112	1"1/2	107,00
CBDFI002	2"	160,40
CBDFI212	DN 65	196,70
CBDFI003	DN 80	196,70
CBDFI004	DN 100	256,80

**Additional functions of AIR SEPARATOR with INTEGRATED MAGNET**

- Accessible for inspection

INOX ON REQUEST



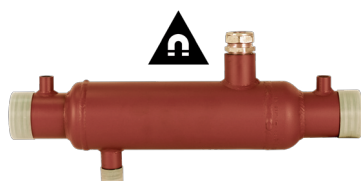
CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
THREADED					
FT001	1" M	4"	1,6 ÷ 2,3	1,8	435,20
FT114	1"1/4 M	4"	2,1 ÷ 2,9	2	438,80
FT112	1"1/2 M	5"	3,1 ÷ 4,4	4	517,40
FT002	2" M	5"	4,1 ÷ 5,9	4,3	558,00

Δp 100 daPa Δp 200 daPa

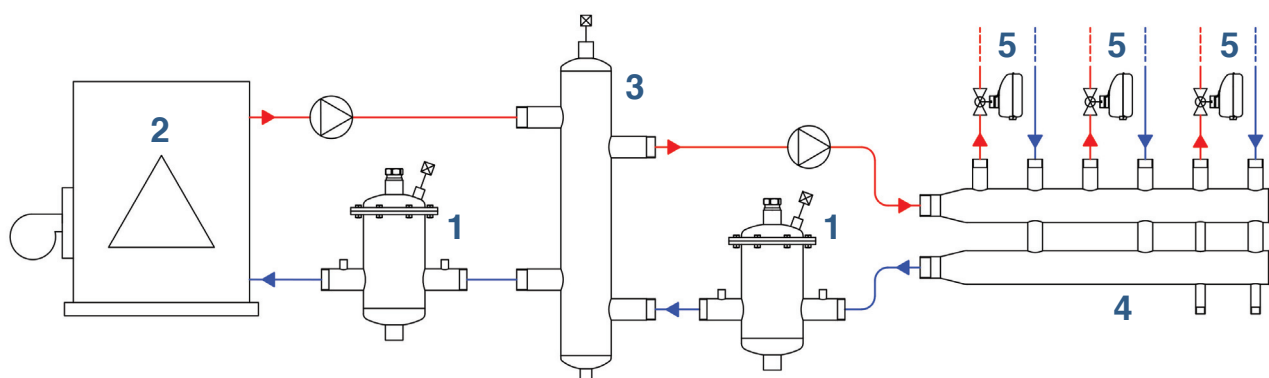


CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]	VOLUME [ℓ]	€
FLANGED					
FT212	DN 65	8"	7,5 ÷ 10,5	14	1.014,00
FT003	DN 80	8"	9,9 ÷ 14	15	1.032,90
FT004	DN 100	10"	15 ÷ 21	30	1.459,10

Δp 100 daPa Δp 200 daPa



In-line connections not inspectable version on request

EXAMPLE OF USE: HEATING PLANT

- 1 : DIAFIL magnetic filter
- 2 : Boiler
- 3 : DIACOM hydraulic separator
- 4 : DIACOL manifold
- 5 : SINTESI zone motorised valve

**Air Separator**

- Quotations on request for non-standard air separators according to customer's design

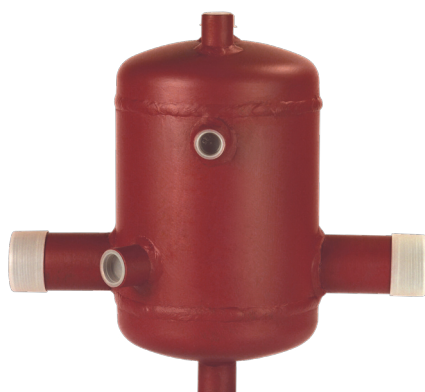
INOX ON REQUEST**SQUARE CONNECTIONS**

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]			VOLUME [ℓ]	€
THREADED • SQUARE connections							
S001	1" M	4"	2	÷	2,8	2,2	262,30
S114	1"1/4 M	5"	3,5	÷	4,9	5	274,90
S112	1"1/2 M	6"	4,5	÷	6,4	6	344,60
S002	2" M	8"	7,5	÷	10,6	12	449,40

Δp 100 daPa Δp 200 daPa

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]		VOLUME [ℓ]	€
FLANGED • SQUARE connections						
S212	DN 65	10"	13	÷ 18,4	21	620,20
S003	DN 80	12"	18	÷ 25,4	42	909,30
S004	DN 100	16"	30	÷ 42,4	84	1.789,80
S005	DN 125	500 mm	50	÷ 70,7	146	2.574,20
S006	DN 150	600 mm	70	÷ 99	260	2.836,70
S008	DN 200	700 mm	140	÷ 198	548	3.752,30

Δp 100 daPa Δp 200 daPa

IN-LINE CONNECTIONS

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]			VOLUME [ℓ]	€
THREADED • IN-LINE connections							
SL001	1" M	4"	2	÷	2,8	2,2	262,30
SL114	1"1/4 M	5"	3,5	÷	4,9	5	274,90
SL112	1"1/2 M	6"	4,5	÷	6,4	6	344,60
SL002	2" M	8"	7,5	÷	10,6	12	449,40

Δp 100 daPa Δp 200 daPa

CODE	CONNECTIONS	BODY	FLOW RATE [m³/h]			VOLUME [ℓ]	€
FLANGED • IN-LINE connections							
SL212	DN 65	10"	13	÷	18,4	21	620,20
SL003	DN 80	12"	18	÷	25,4	42	909,30
SL004	DN 100	16"	30	÷	42,4	84	1.813,70
SL005	DN 125	500 mm	50	÷	70,7	146	2.763,40
SL006	DN 150	600 mm	70	÷	99	260	3.030,80
SL008	DN 200	700 mm	140	÷	198	548	4.126,80

Δp 100 daPa Δp 200 daPa

INAIL safety devices holder


i


CODE	Ø D	Ø d	€
CPS114	2"	1"1/4 M	211,80
CPS112	2"1/2	1"1/2 M	234,40
CPS002	2"	2" M	211,80
CPS212	2"1/2	2"1/2 M	234,40

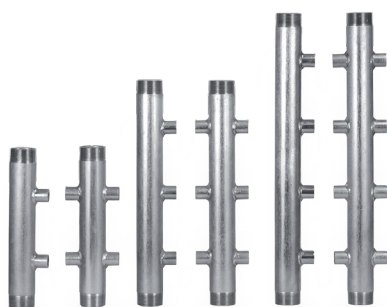
Deareators

- AIR VENTS NOT INCLUDED


i


CODE	Ø D1	Ø D2	Ø D3	€
DI012	1/2" F	3/8" F	3/8" F	110,00

STAINLESS STEEL manifolds Dias


i


CODE	OUTLETS	OUTLET	CONNECTIONS	€
CX1121220	2	1/2" F	1"1/2" M	70,10
CX1121222	2+2	1/2" F	1"1/2" M	106,70
CX1121230	3	1/2" F	1"1/2" M	95,90
CX1121233	3+3	1/2" F	1"1/2" M	137,70
CX1121240	4	1/2" F	1"1/2" M	127,20
CX1121244	4+4	1/2" F	1"1/2" M	187,80

Diasol

Iron ejector

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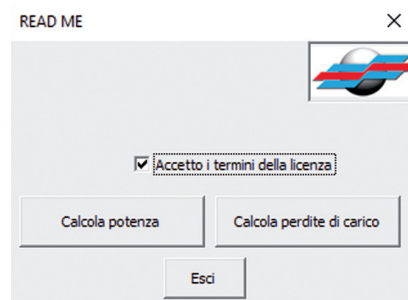


- 1 SIMPLE TYPE RETURN ONLY
- 2 DOUBLE TYPE FLOW AND RETURN

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Calcolo potenza

STEP 1 Numero di zone

STEP 2 Portata di zona (kg/h) Salto termico (°C)

STEP 3 Calcola la potenza

Potenza per zona (kW)

Potenza totale (kW)

PARAMETRI:

- 1) PORTATA PER ZONA (kg/h) : valore massimo ammissibile per zona : 2500 Kg/h
- 2) SALTO TERMICO (°C) : variabile (Tm - Tg); valore massimo ammissibile : 70°
- 3) CALORE SPECIFICO (Kcal/kg°C) : 1 (il fluido preso in considerazione è acqua)
- 4) POTENZA (kW)
- 5) NUMERO DI ZONE (n°)

Reset Passa a calcolo di carico / portata ESCI

Calcolo perdite di carico / portata

STEP 1 Inserisci il numero di zone

STEP 2 Calcola perdite di carico in base alla portata Calcola portata in base alle perdite di carico

Portata complessiva (kg/h) Perdite di carico (daPa)

STEP 3 Calc. perdite di carico Calc. la portata

Perdite di carico (daPa) Portata (kg/h)

PARAMETRI:

- 1) NUMERO DI ZONE (n°) : variabile
- 2) PORTATA COMPLESSIVA (kg/h) : variabile ; valore massimo per zona : 2500 Kg/h
- 3) PRESSIONE MASSIMA DI INGRESSO (bar) : 5 bar
- 4) TEMPERATURA (°C) : variabile ma trascurabile nell'analisi del caso
- 5) VELOCITA' FLUIDO (m/sec) : variabile ma trascurabile nell'analisi del caso
- 6) DENSITA' (kg/cm³) : fissa ed uguale a quella dell'acqua (in funzione della temperatura)

Reset Passa a calcolo potenza ESCI

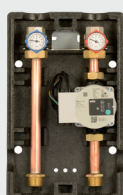
A SELECT THE TYPE OF DESIRED SIZING

B INSERT YOUR VALUES AND SEE THE RESULTS!

available on request with non-standard measures, according to the Customer's drawings.

A collage of 10 images showing various industrial metal components. The components include: 1. A long, horizontal manifold with 10 vertical outlets. 2. A Y-shaped tee fitting. 3. A long, horizontal manifold with 10 vertical outlets, similar to the first one. 4. A horizontal manifold with 4 vertical outlets, labeled 'COMBARATO'. 5. Four 90-degree elbow fittings. 6. A long, horizontal manifold with 10 vertical outlets, similar to the first one. 7. A vertical manifold with 4 horizontal outlets. 8. A cylindrical component with two green flanges. 9. A forklift in a warehouse setting. 10. A long, horizontal manifold with 10 vertical outlets, similar to the first one.

DISTRIBUTION SYSTEMS



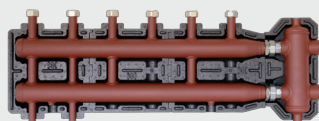
PUMP UNITS

136



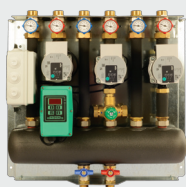
**PUMP UNITS
with METERING**

139



**COMPONENTS for
PUMP UNITS**

141



COMPACT SYSTEM

143



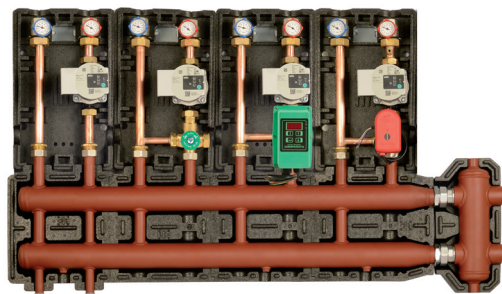
UNDER-BOILER UNITS

147

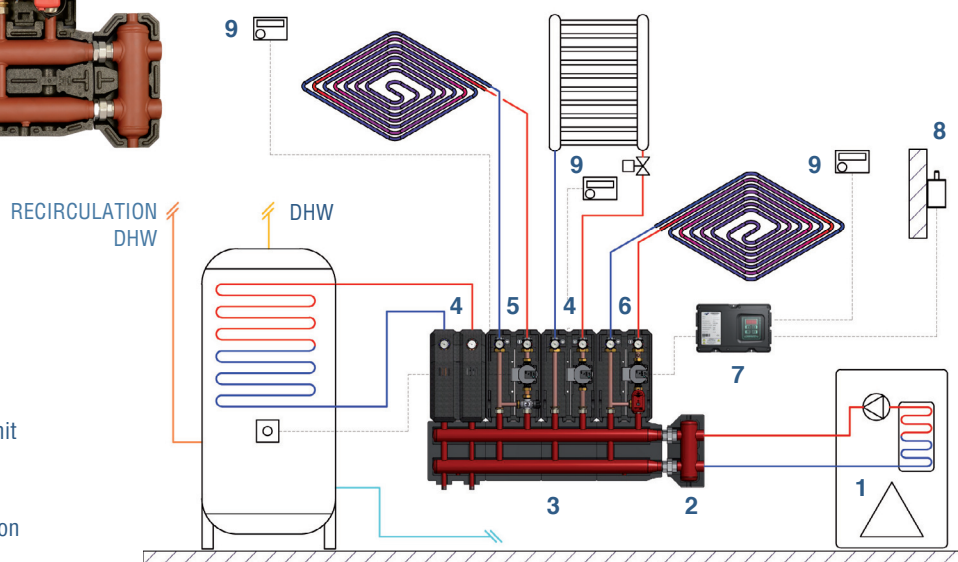
Pump units



EXAMPLE OF USE: HEATING PLANT

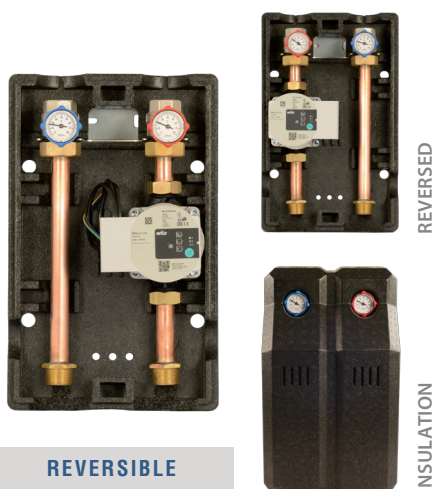


- 1 : Generator
- 2 : Diacom Mini
- 3 : Diacol 125
- 4 : Direct pump unit
- 5 : Fixed-point, mixed pump unit
- 6 : Fixed-point, modulating pump unit
- 7 : Control units
- 8 : External probe
for weather compensation function
- 9 : Room thermostat



DIRECT

- **POWER SUPPLY:** 230V 50/60 Hz
- **INTERAXIS:** 125 mm
- **UNITS ARE REVERSIBLE. THEY ARE SUPPLIED WITH OULET ON THE RIGHT SIDE AND RETURN ON THE LEFT SIDE.**
- **THEY CAN BE MATCHED ALSO TO MANIFOLDS WITH NUT CONNECTION 1" p. 141**
- **CONNECTIONS:** 1"



REVERSIBLE

REVERSED

INSULATION

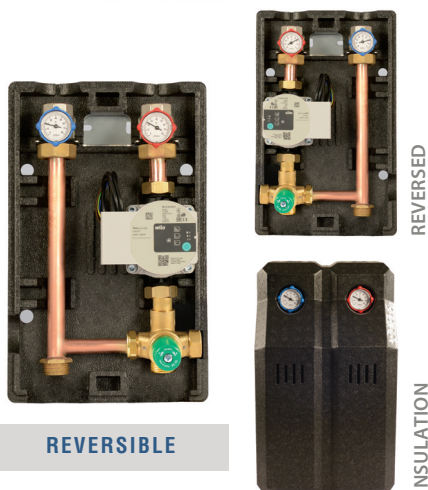
CODE	TYPE	€
GR1D00	heating	490,00
GR2D00	heating • high flow rate	538,70
GR1DSC	heating • circulator-ready 1"x130mm	233,20
GR2DSC	heating • circulator-ready 1"1/2x130mm	257,50
GR1DFR	heating / cooling	546,40
GR2DFR	heating / cooling • high flow rate	595,00

Pump units



MIXING FIXED-POINT

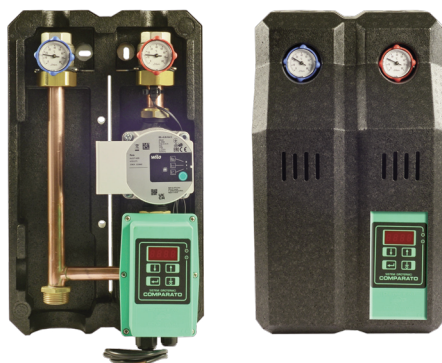
- ALIMENTAZIONE ELETTRICA: 230V 50/60 Hz
- INTERAXIS: 125 mm
- CONNECTIONS: 1"
- "T" RANGE: 30°C / 60°C
- ENERGY METER KIT see p. 140
- UNITS ARE REVERSIBLE. THEY ARE SUPPLIED WITH OULET ON THE RIGHT SIDE AND RETURN ON THE LEFT SIDE.
- THEY CAN BE MATCHED ALSO TO MANIFOLDS WITH NUT CONNECTION 1" p. 141



CODE	TYPE	€
GR1THT	heating	646,20
GR2THT	heating • high flow rate	694,80
GR1THC	heating • circulator-ready 1"x130mm	389,30
GR2THC	heating • circulator-ready 1"1/2x130mm	413,60

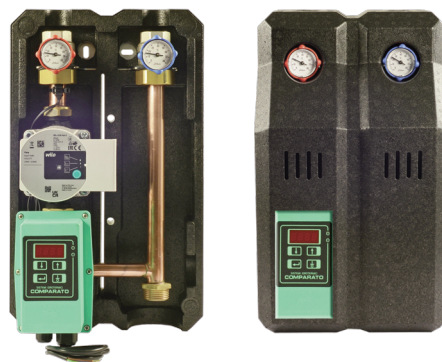
MIXING ELECTRONIC

- POWER SUPPLY: 230V 50/60 Hz
- INTERAXIS: 125 mm
- CONNECTIONS: 1"
- "T" RANGE: -15°C ÷ +90°C
- ENERGY METER KIT see p. 140
- THEY CAN BE MATCHED ALSO TO MANIFOLDS WITH NUT CONNECTION 1" p. 141



PLANT OULET ON THE RIGHT

CODE	TYPE	€
GR1X0D	heating	878,20
GR2X0D	heating • high flow rate	926,90
GR1XFD	cooling	936,20
GR2XFD	cooling • high flow rate	984,90



PLANT OULET ON THE LEFT

CODE	TYPE	€
GR1X0S	heating	878,20
GR2X0S	heating • high flow rate	926,90
GR1XFS	cooling	936,20
GR2XFS	cooling • high flow rate	984,90

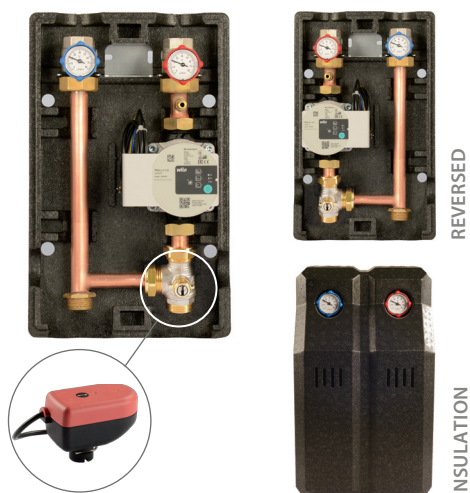
Electronic Mixing units cannot be used in zones that operate in both heating and cooling modes. In the case of **hot/cold** applications in the same zone, refer to the **Modulating Mixing Units** on the following page.

Pump units



MIXING MODULATING

- **POWER SUPPLY:** 230V 50/60 Hz
- **INTERAXIS:** 125 mm
- **CONNECTIONS:** 1"
- **ENERGY METER KIT** see p. 140
- **UNITS ARE REVERSIBLE. THEY ARE SUPPLIED WITH OULET ON THE RIGHT SIDE AND RETURN ON THE LEFT SIDE.**
- **THEY CAN BE MATCHED ALSO TO MANIFOLDS WITH NUT CONNECTION 1" p. 141**



REVERSIBLE

for **SINTESI** actuator see **ACCESSORIES**

CODE	TYPE	€
GR1M00	heating	550,00
GR2M00	heating • high flow rate	598,70
GR1MSC	heating • circulator-ready 1"x130mm	293,20
GR2MSC	heating • circulator-ready 1"1/2x130mm	317,30
GR1MFR	heating / cooling	606,30
GR2MFR	heating / cooling • high flow rate	655,00

Accessories for MIXING MODULATING pump units

MODULATING ACTUATOR



CODE	TECHNICAL FEATURES	€
SS2221BI	35 sec • 230 V 50-60 Hz • 3-point	101,00
SS2221BC2I	120 sec • 230 V 50-60 Hz • 3-point	105,70
DISN05	adapter for reversed outlet/return installation	20,10

PROPORTIONAL ACTUATOR



CODE	TECHNICAL FEATURES	€
SM4010F030I	30 sec • 24 V AC/DC • 0 - 10 V	187,60
SM4010F030D	30 sec • 24 V AC/DC • 0 - 10 V • Reversed outlet/return installation	201,80



CONTROL UNIT FOR RADIANT PANELS WITH ACTUATOR AND CONTACT TEMPERATURE PROBE

CODE	TECHNICAL FEATURES	€
CGRMS1	230 V 50/60 Hz • For one pump unit	448,00

CODE	TECHNICAL FEATURES	€
RFSONDAE *	Sensor for external temperature for weather compensation	64,40
RFTRUEE10 **	Sensor for temperature and relative humidity (24 V)	388,90
AL24VDC	Power supply for RFTRUEE10 (24 V)	153,40

* probe can be matched to only one regulation unit

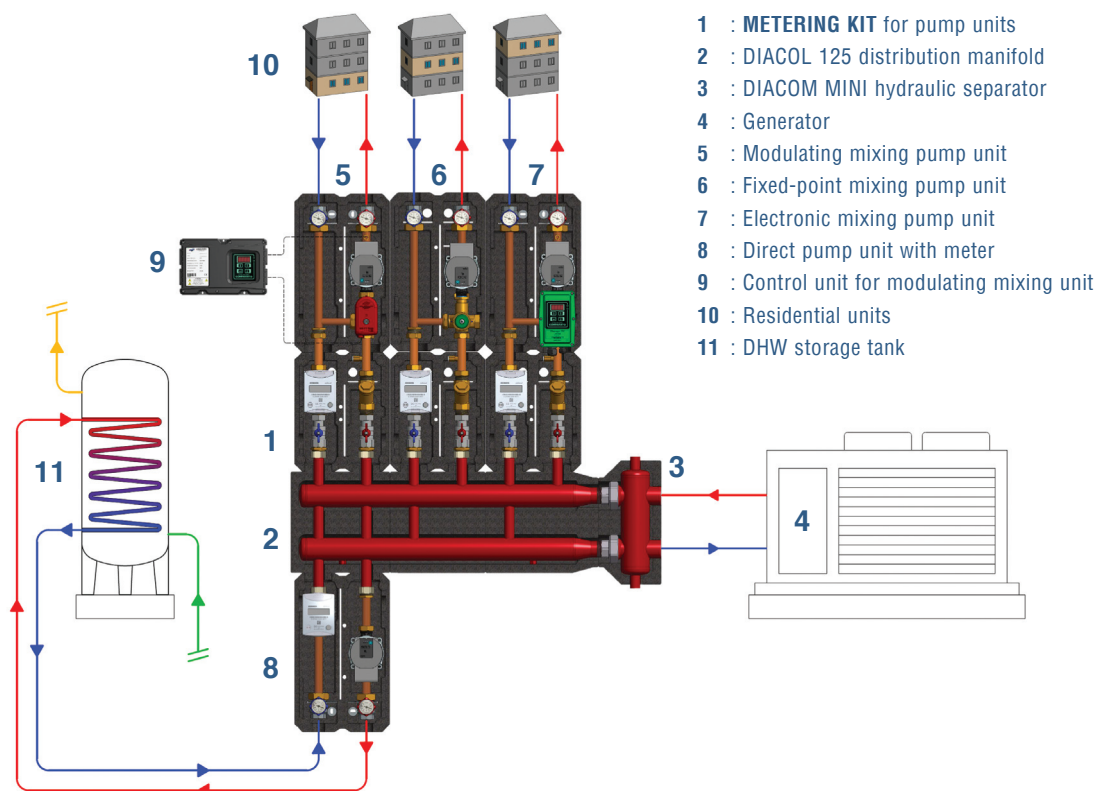
** required for anti-condensation function under cooling

Pump units • with energy meter



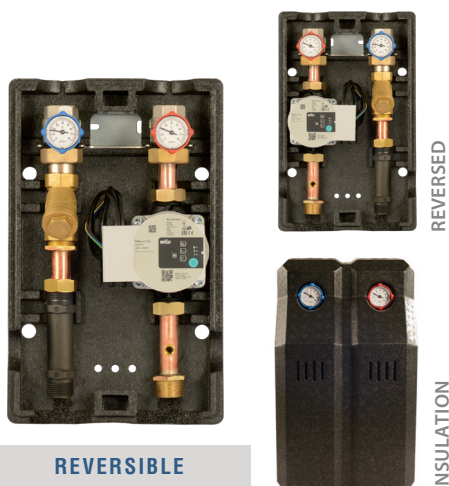
i

EXAMPLE OF USE: HEATING SYSTEM FOR 3 RESIDENTIAL UNITS WITH ENERGY METERING



DIRECT with ENERGY METER READY

- **ALIMENTAZIONE ELETTRICA:** 230V 50/60 Hz
- **CONNECTIONS:** 1"
- **INTERAXIS:** 125 mm
- **STUB PIPE:** 1"x130mm
- **UNITS ARE REVERSIBLE. THEY ARE SUPPLIED WITH OULET ON THE RIGHT SIDE AND RETURN ON THE LEFT SIDE.**
- **THEY CAN BE MATCHED ALSO TO MANIFOLDS WITH NUT CONNECTION 1" p. 141**



CODE	TYPE	€
GR1C00	heating • ready for meter 1"x130mm	527,50
GR1CSC	heating ready for meter and pump 1"x130mm	270,80
GR1CFR	heating / cooling ready for meter 1"x130mm	583,90

Accessories



CODE	DESCRIPTION	€
CFCENM01B	mechanical energy meter for heating/cooling DN20 Qp 2,5 m³/h M-Bus	450,80
CFCENU01B	ultrasonic energy meter for heating/cooling DN20 Qp=2.5 mc/h M-Bus reading	520,90
CFCENU01BW	ultrasonic energy meter for heating/cooling DN20 Qp=2.5 mc/h Wireless M-Bus reading	628,40

Energy meter kit



i

ENERGY METER kit • TO BE INSTALLED BETWEEN MANIFOLD AND PUMP UNITS

for MIXING Pump units

- MIXING FIXED-POINT
- MIXING ELECTRONIC
- MIXING MODULATING



CODE	DESCRIPTION	€
GRKCON	Set-up kit for meter 1"x130mm with insulation	281,00

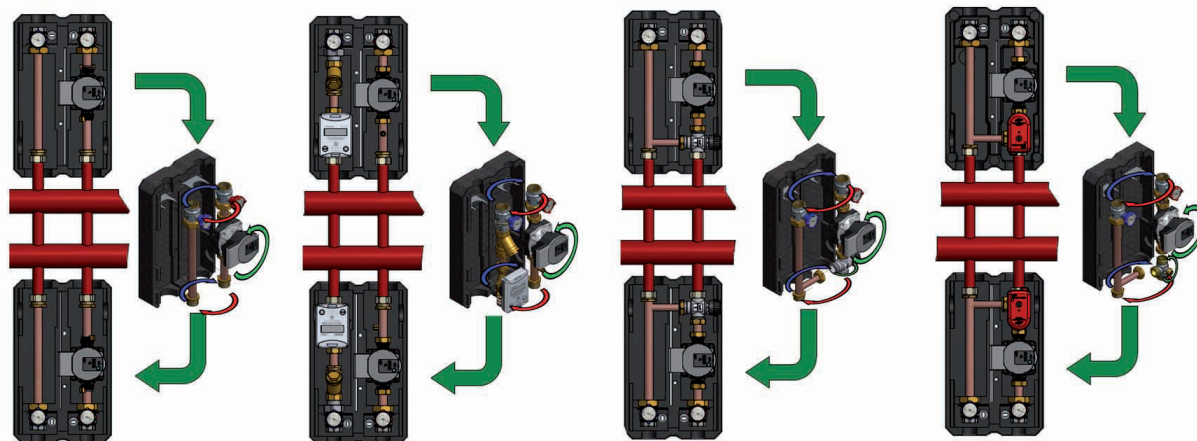
Accessories



CODE	DESCRIPTION	€
CFCENM01B	mechanical energy meter for heating/cooling DN20 Qp= 2,5 m³/h M-Bus	450,80
CFCENU01B	ultrasonic energy meter for heating/cooling DN20 Qp= 2.5 m³/h M-Bus reading	520,90
CFCENU01BW	ultrasonic energy meter for heating/cooling DN20 Qp= 2.5 m³/h Wireless M-Bus reading	628,40

STANDARD VERSION vs REVERSED VERSION FOCUS

UPPER SIDE STANDARD VERSION



BOTTOM SIDE FLOW/RETURN REVERSED VERSION

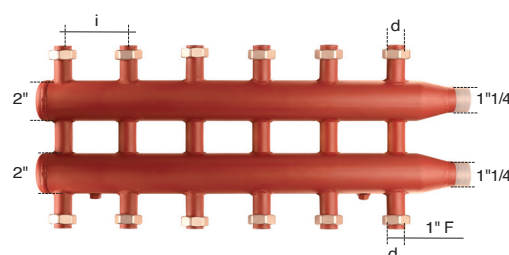
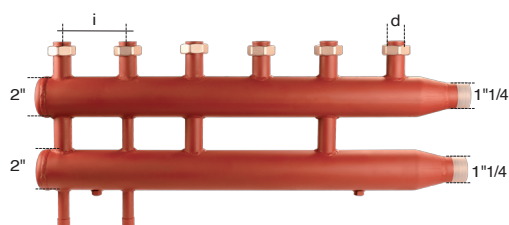
Components for Pump units



Diacol 125 • dual manifolds

• NUT JOINT: 1"

• INTERAXIS: 125 mm



DUAL manifolds

CODE	ZONES	d	i	€
C02D34GR	2	3/4"	125 mm	171,60
C03D34GR	3	3/4"	125 mm	231,00
C04D34GR	4	3/4"	125 mm	284,90
C05D34GR	5	3/4"	125 mm	334,00
C06D34GR	6	3/4"	125 mm	381,50

CODE	ZONES	i	€
CBC02D34	2	125 mm	55,40
CBC03D34	3	125 mm	79,00
CBC04D34	4	125 mm	102,70
CBC05D34	5	125 mm	126,30
CBC06D34	6	125 mm	150,00

DUAL OPPOSED manifolds

CODE	ZONES	d	i	€
C21D34GR	2+1	3/4"	125 mm	212,60
C22D34GR	2+2	3/4"	125 mm	249,20
C31D34GR	3+1	3/4"	125 mm	266,00
C32D34GR	3+2	3/4"	125 mm	296,40
C33D34GR	3+3	3/4"	125 mm	331,90
C41D34GR	4+1	3/4"	125 mm	313,30
C42D34GR	4+2	3/4"	125 mm	348,70
C51D34GR	5+1	3/4"	125 mm	407,50

CODE	ZONES	i	€
CBC21D34	2+1	125 mm	54,10
CBC22D34	2+2	125 mm	54,10
CBC31D34	3+1	125 mm	77,10
CBC32D34	3+2	125 mm	77,10
CBC33D34	3+3	125 mm	77,10
CBC41D34	4+1	125 mm	100,00
CBC42D34	4+2	125 mm	100,00
CBC51D34	5+1	125 mm	122,90

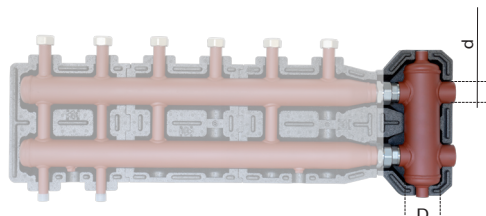
Components for Pump units

Diacom mini • Compact separator with DIRECT connection to the DIACOL 125 manifold

- FEMALE NUT
- EQUIPPED WITH CONNECTION COUPLING TO THE MANIFOLD



i



CODE	CONNECTIONS	d	D	€
CM114	threaded F	1"1/4	Ø 2"1/2	364,60

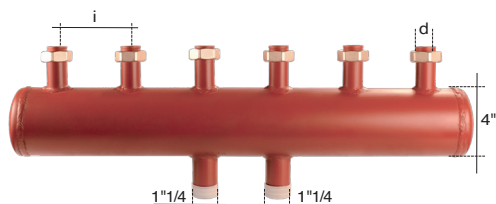
CODE	D	€
DIACOM MINI INSULATION		
CBCM114	Ø 2"1/2	57,40

Diasys • Multifunction manifold with integrated hydraulic separator

- NUT JOINT: 1"



i



CODE	ZONES	d	i	€
CCI0234GR	2	3/4"	125 mm	276,70
CCI0334GR	3	3/4"	125 mm	331,60
CCI3134GR	3+1	3/4"	125 mm	369,50
CCI3234GR	3+2	3/4"	125 mm	405,50

CODE	ZONES	i	€
DIASYS INSULATION			
CBI0234GR	2	125 mm	143,60
CBI0334GR	3	125 mm	178,60
CBI3134GR	3+1	125 mm	178,60
CBI3234GR	3+2	125 mm	178,60

Accessories



FIXING KIT

CODE	DESCRIPTION	€
KSC1	Support brackets with slots for regulation, screw anchors, threaded screw and nuts	22,70

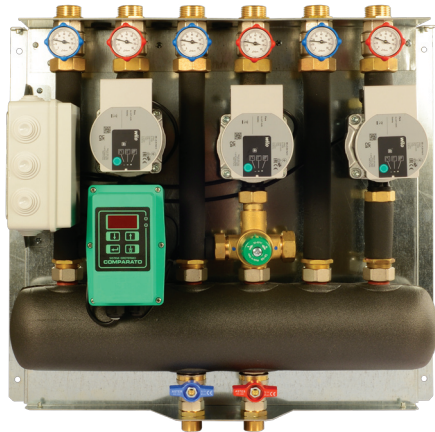
Compact System



i

Wall-hanging compact distribution unit

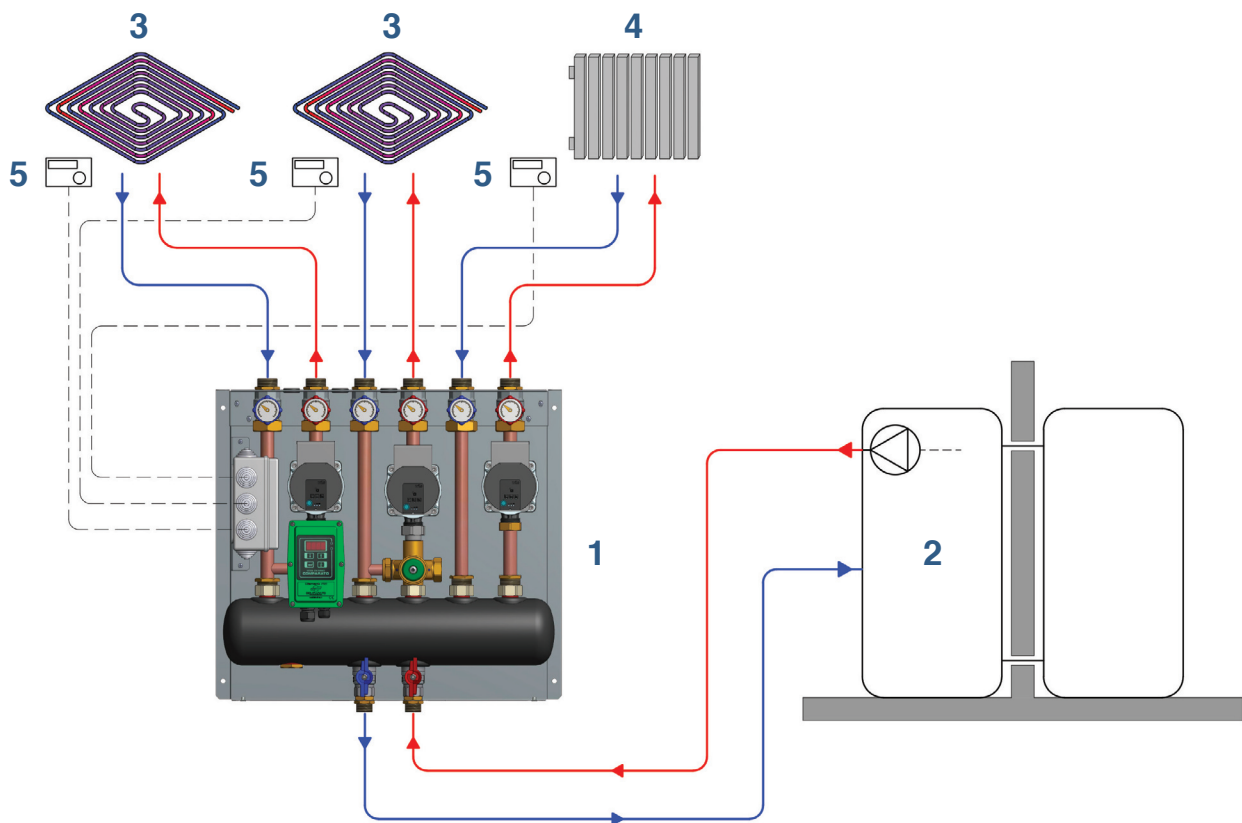
- POWER SUPPLY: 230V 50 Hz



COMPACT SYSTEM is a wall-hanging compact distribution unit that regulates singularly each thermal zone, granting the separation between generator and plant. **COMPACT SYSTEM** can be used with heat pumps, gas boilers and biomass boilers and it is suitable for heating and cooling plants.

EXAMPLE OF USE: ZONED HEATING PLANT WITH BOTH HIGH-TEMPERATURE AND LOW-TEMPERATURE ZONES

- 1 : **COMPACT SYSTEM**
- 2 : Heat pump (with integrated circulator)
- 3 : Radiant panel system
- 4 : Radiator systems
- 5 : Room thermostat



Compact System



i

TABLE for code configuration

0	COMPACT WALL-HANGING PUMP UNIT	€
SK2	2-zone distribution with hydraulic separator	441,00
SK3	3-zone distribution with hydraulic separator	460,00
1	FUNCTION	€
0	heating	00,00
R	heating and cooling	97,00
2	1st ZONE TYPE • LEFT	€
D	direct	505,00
H *	mixing fixed-point 30°C - 60°C	663,00
M	mixing modulating with on-board electronics for radiant panels	987,00
3	2nd ZONE TYPE • CENTRAL	€
D	direct	505,00
H *	mixing fixed-point 30°C - 60°C	663,00
M	mixing modulating with on-board electronics for radiant panels	987,00
4	3rd ZONE TYPE • RIGHT	€
0	not present	000,00
D	direct	505,00
H *	mixing fixed-point 30°C - 60°C	663,00
M	mixing modulating with on-board electronics for radiant panels	987,00

* heating function only

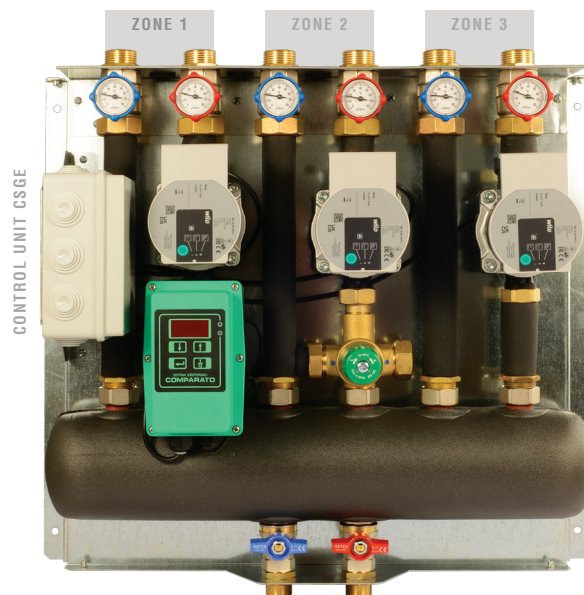
Accessories

CODE	DESCRIPTION	€
CSGE	Electromechanical management board	99,50
CSK	Sheet metal cover, RAL 9010 white powder coating	104,00
TEMPERATURE PROBE		
RFSONDAE **	External temperature probe for weather compensation	64,40
RFTRUUE10 ***	Temperature and humidity probe	388,90

** It can only be combined with mixing modulating zone (M) with on-board electronics

*** It can only be combined with mixing modulating zone (M) and cooling function (R)

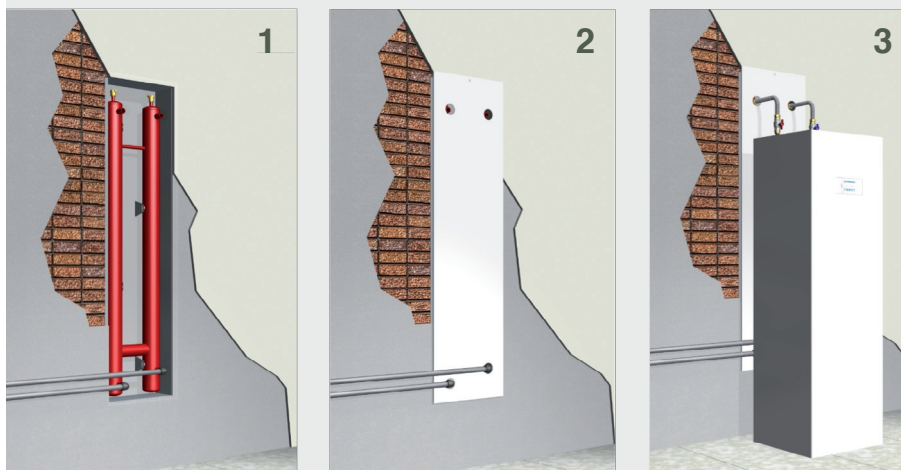
CODE EXAMPLE				
0	1	2	3	4
SK3	0	M	H	D



MICRO BUFFER

BUILD-INTO-WALL FOR HEAT PUMP

AVAILABLE ALSO IN STAINLESS STEEL



Buffer tanks for heat pumps are essential for:

- supplying thermal inertia to the plant
- guaranteeing the hydraulic separation from the plant
- storing enough energy for defrost function

This is the innovative solution that allows to use micro buffer tanks also in apartments or detached small houses thanks to the build-into-wall installation.

FEATURES

- Up to 50l storage
- Build-into-wall installation
- Hydraulic separator integrated function

Please contact our Technical Department for further information

Under-boiler units



i

Built-in under-boiler distribution system

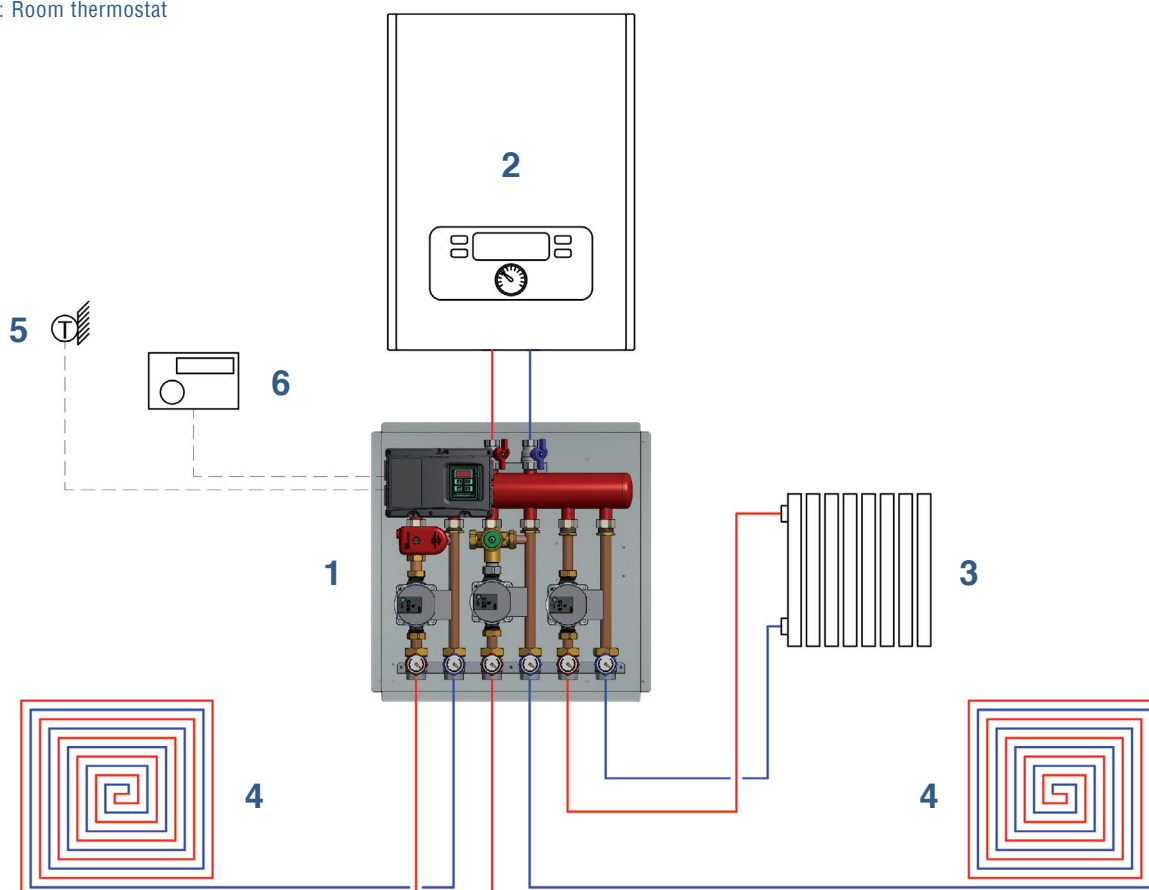
- POWER SUPPLY: 230V 50 Hz
- ELECTROMECHANICAL CONTROL UNIT INCLUDED



UNDER-BOILER UNITS are capable of independently regulating each thermal zone, making the system independent from the generator thanks to the integrated hydraulic separation function. They are suitable for use with heat pumps, gas boilers, and biomass boilers for heating applications.

EXAMPLE OF USE: ZONED HEATING PLANT WITH HIGH AND LOW TEMPERATURE CIRCUITS

- 1 : UNDER-BOILER UNIT
- 2 : Generator
- 3 : High temperature heating system
- 4 : Radiant panel system
- 5 : External temperature probe for weather compensation function
- 6 : Room thermostat



Under-boiler units



TABLE for code configuration

0	UNDER-BOILER UNITS PUMP UNIT	€
ST2	2-zone distribution with integrated hydraulic separator	554,60
ST3	3-zone distribution with integrated hydraulic separator	628,20
1	1st ZONE TYPE • LEFT	€
D	direct	402,00
H	mixing fixed-point 30°C - 60°C	538,90
M *	mixing modulating with on-board electronics for radiant panels	461,20
2	2nd ZONE TYPE • CENTRAL	€
D	direct	402,00
H	mixing fixed-point 30°C - 60°C	538,90
M *	mixing modulating with on-board electronics for radiant panels	461,20
3	3rd ZONE TYPE • RIGHT	€
0	not present	000,00
D	direct	402,00
H	mixing fixed-point 30°C - 60°C	538,90
M *	mixing modulating with on-board electronics for radiant panels	461,20

* to be combined with the accessories below; for versions with more than one mixing modulating zone, please contact our Technical Department.

Accessories



MODULATING ACTUATOR

CODE	TECHNICAL FEATURES	€
SS2221BI	35 sec • 230 V 50-60 Hz • 3-point	101,00
SS2221BC2I	120 sec • 230 V 50-60 Hz • 3-point	105,70



PROPORTIONAL ACTUATOR

CODE	TECHNICAL FEATURES	€
SM4010F030I	30 sec • 24 V AC/DC • 0 - 10 V	187,60



CONTROL UNIT FOR RADIANT PANELS WITH ACTUATOR AND CONTACT TEMPERATURE PROBE

CODE	TECHNICAL FEATURES	€
CGRMS1	230 V 50/60 Hz • For one MIXING MODULATING group	448,00

CODE	DESCRIPTION	€
RFSNDAE *	External temperature probe for weather compensation	64,40

* each probe can be matched to only one mixing modulating zone

CODE EXAMPLE			
0	1	2	3
ST3	M	H	D



Accessory

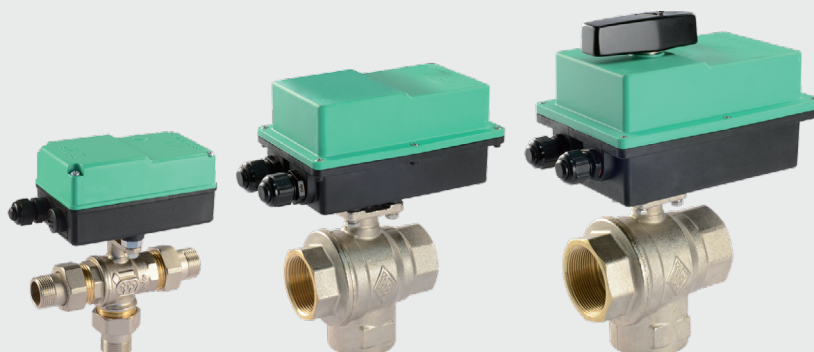


MOULDING AND DOOR

CODE	DESCRIPTION	€
QSCCS	Moulding and door	125,40

FAST

Diverting Actuated Valve for HEAT PUMPS



Diamant 2000
4 SEC.

Motorised valve

Compact PRO
9 SEC.

Motorised valve

Universal PRO
14 SEC.

Motorised valve



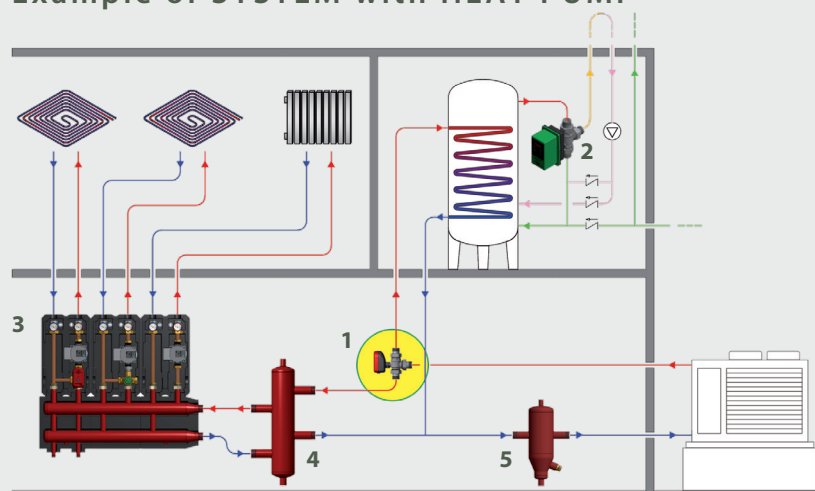
SINTESI
15 SEC.

Motorised valve

SINTESI DC
3 SEC.

Motorised valve

Example of SYSTEM with HEAT PUMP



- 1 : Diverting Actuated Valve **SINTESI**
- 2 : ANTI-LEGIONELLA Mixing Valve **DIAMIX L • COMPAMIX L**
- 3 : **PUMP UNIT** with MANIFOLD
- 4 : Hydraulic Separator **DIACOM**
- 5 : Hydrocyclonic Deposit Separator **DIADef MAGNETIC**

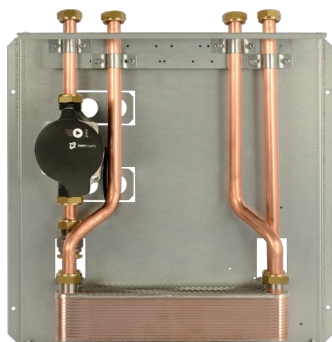
HYDRAULIC INTERFACES

	Heating ECOKAM T	152
	Heating ECOKAM RC	153
	Heating ECOKAM R	154
	Domestic water ECOKAM S	155
	Heating and domestic water ECOKAM RSC	156
	Heating and domestic water ECOKAM RS	157
	Instantaneous DHW production ECOSAN	158
	Instantaneous DHW production ECOSAN PDC	159
	Instantaneous DHW production ECOSAN PDC L	163
	Hydraulic separation SEP KIT	164
	Temperature regulation ECOPOOL	165



Gas boiler separation

- Separation of the gas boiler from the rest of the system with a plate heat exchanger.
- Automatic switching between the solid fuel boiler and the gas boiler.
- Direct use of the solid fuel boiler.



CODE	DESCRIPTION	€
ES1P24E	gas boiler power max 24 kW *	605,10
ES1P35E	gas boiler power max 35 kW *	646,20

* THE POWER OF THE SOLID FLUID HEATER DOES NOT INFLUENCE THE HEAT EXCHANGER'S DIMENSION

Accessories



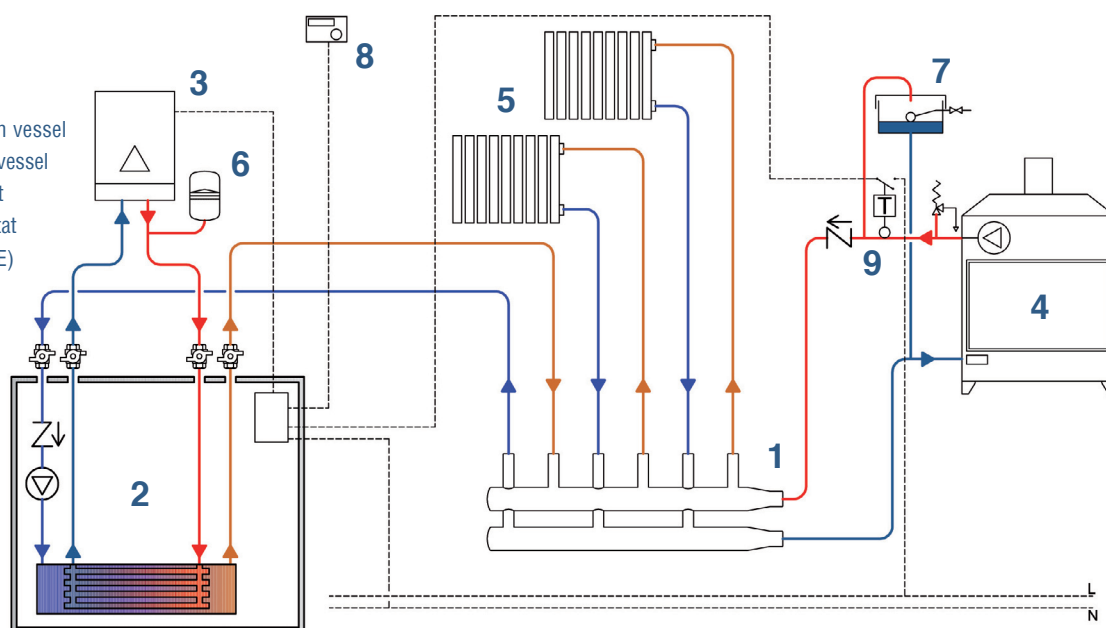
CASING

MANAGEMENT
UNIT

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70
CEGE	Management control unit for automatic switching between the solid fuel boiler and the gas boiler	130,20

EXAMPLE OF USE

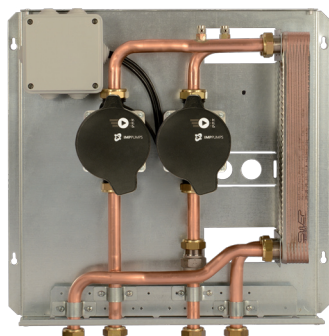
- 1 : DIACOL manifold
 2 : Ecokam T
 3 : Gas boiler
 4 : Solid fuel boiler
 5 : Heating plant
 6 : Closed expansion vessel
 7 : Open expansion vessel
 8 : Room thermostat
 9 : Contact thermostat (included in CEGE)





Separation of the solid fuel boiler

- Separation of the solid fuel boiler from the rest of the system with a plate heat exchanger.
- Automatic switching between the solid fuel boiler and the gas boiler.
- Direct use of the gas boiler.



CODE	DESCRIPTION	€
ES2P18RCN	source power max 20 kW • 2 pumps	995,00
ES2P35RCN	source power max 35 kW • 2 pumps	1.059,20
ES1P18RCIN	source power max 20 kW • 1 pump *	735,10
ES1P35RCIN	source power max 35 kW • 1 pump *	799,50

* HEATING SIDE

Accessories



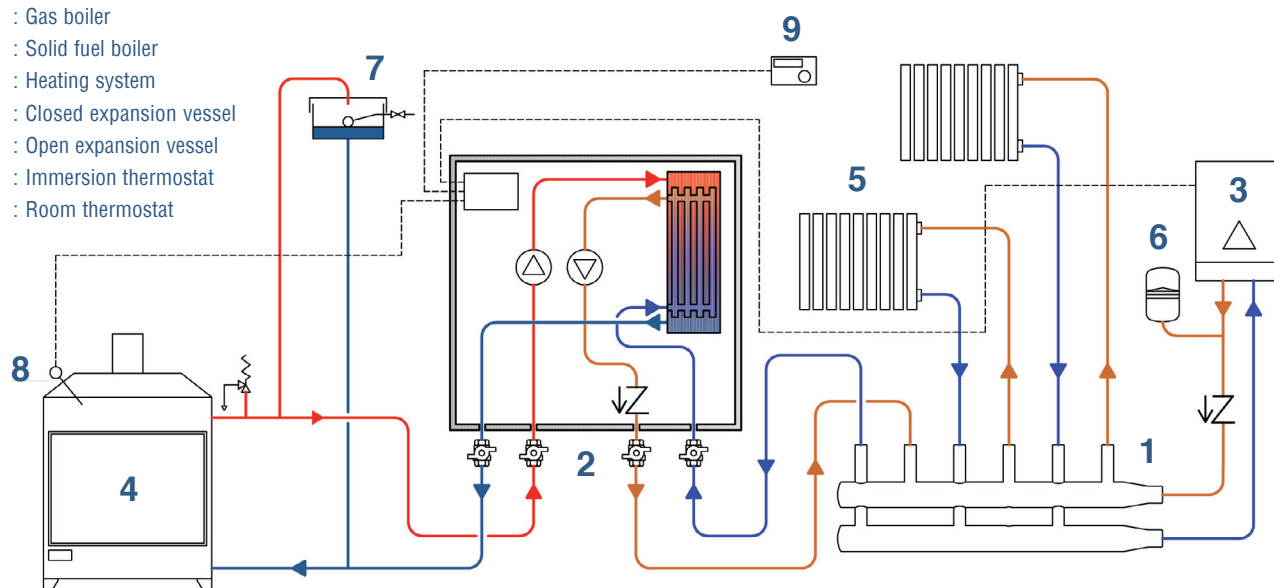
CASING

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70
Add A *	Anti-condensation system	68,60

* ADD "A" AT THE END OF THE BASE MODEL CODE

EXAMPLE OF USE

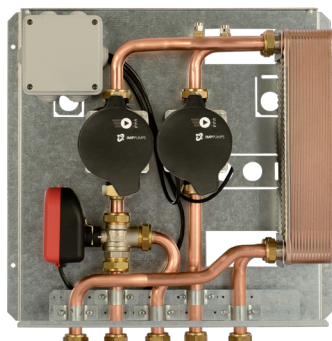
- 1 : DIACOL manifold
- 2 : **Ecokam RC**
- 3 : Gas boiler
- 4 : Solid fuel boiler
- 5 : Heating system
- 6 : Closed expansion vessel
- 7 : Open expansion vessel
- 8 : Immersion thermostat
- 9 : Room thermostat





Separation of the solid fuel boiler with a motorised valve

- Separation of the solid fuel boiler from the rest of the system with a plate heat exchanger and diverting valve.
- Automatic switching between the solid fuel boiler and the gas boiler.
- Direct use of the gas boiler.



CODE	DESCRIPTION	€
ES2P18N	source power max 20 kW • 2 pumps	1.110,40
ES2P35N	source power max 35 kW • 2 pumps	1.174,50
ES1P18IN	source power max 20 kW • 1 pump *	850,50
ES1P35IN	source power max 35 kW • 1 pump *	914,80

* HEATING SIDE

Accessories



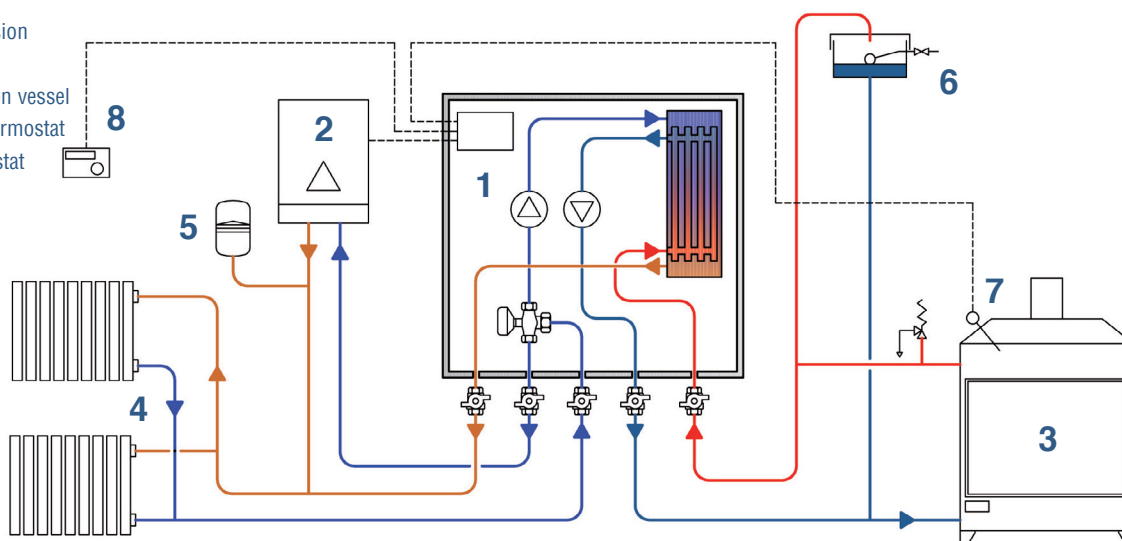
CASING

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70
Add A *	Anti-condensation system	68,60

* ADD "A" AT THE END OF THE BASE MODEL CODE

EXAMPLE OF USE

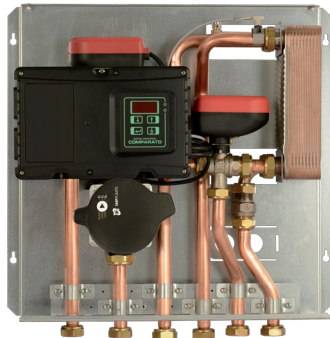
- 1 : EcoKam R
 2 : Gas boiler
 3 : Solid fuel boiler
 4 : Heating plant
 5 : Closed expansion vessel
 6 : Open expansion vessel
 7 : Immersion thermostat
 8 : Room thermostat





Production of domestic hot water, management of the solid fuel boiler.

- Management of the solid fuel boiler for the instant production of DHW and automatic switching with the gas boiler.
- With plate heat exchanger and modulating electronic controller.



CODE	DESCRIPTION	€
ES0P18SN	without pump	840,70
ES1P18SN	with pump	1.089,80

Accessory

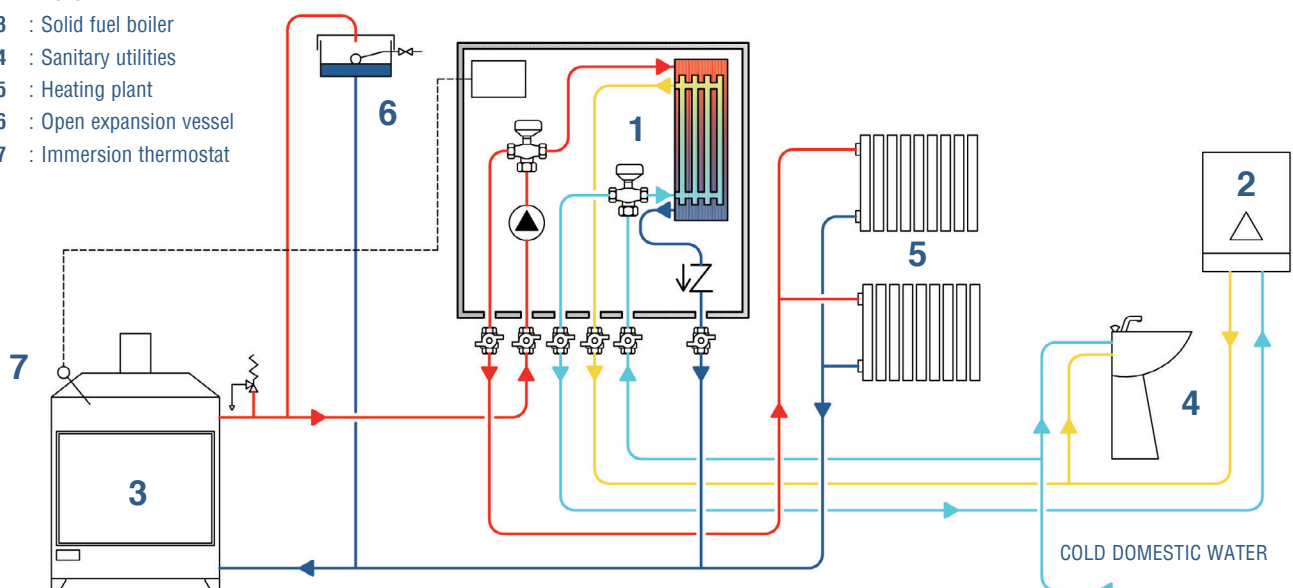


CASING

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70

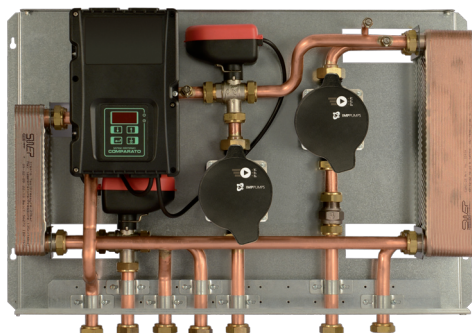
EXAMPLE OF USE

- 1 : Ecokam S
 2 : Boiler
 3 : Solid fuel boiler
 4 : Sanitary utilities
 5 : Heating plant
 6 : Open expansion vessel
 7 : Immersion thermostat



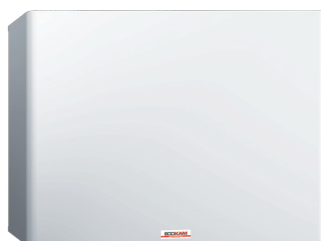
**Production of domestic hot water with separation of the solid fuel boiler**

- Separation of the solid fuel boiler from the rest of the system with a plate heat exchanger.
- Automatic switching between the solid fuel boiler and the gas boiler.
- With instant DHW production.



CODE	DESCRIPTION	€
ES2P18RSC	source power max 20 kW • 2 pumps	1.873,70
ES2P35RSC	source power max 35 kW • 2 pumps	1.938,00
ES1P18RSCI	source power max 20 kW • 1 pump *	1.601,10
ES1P35RSCI	source power max 35 kW • 1 pump *	1.665,30

* HEATING SIDE

Accessories

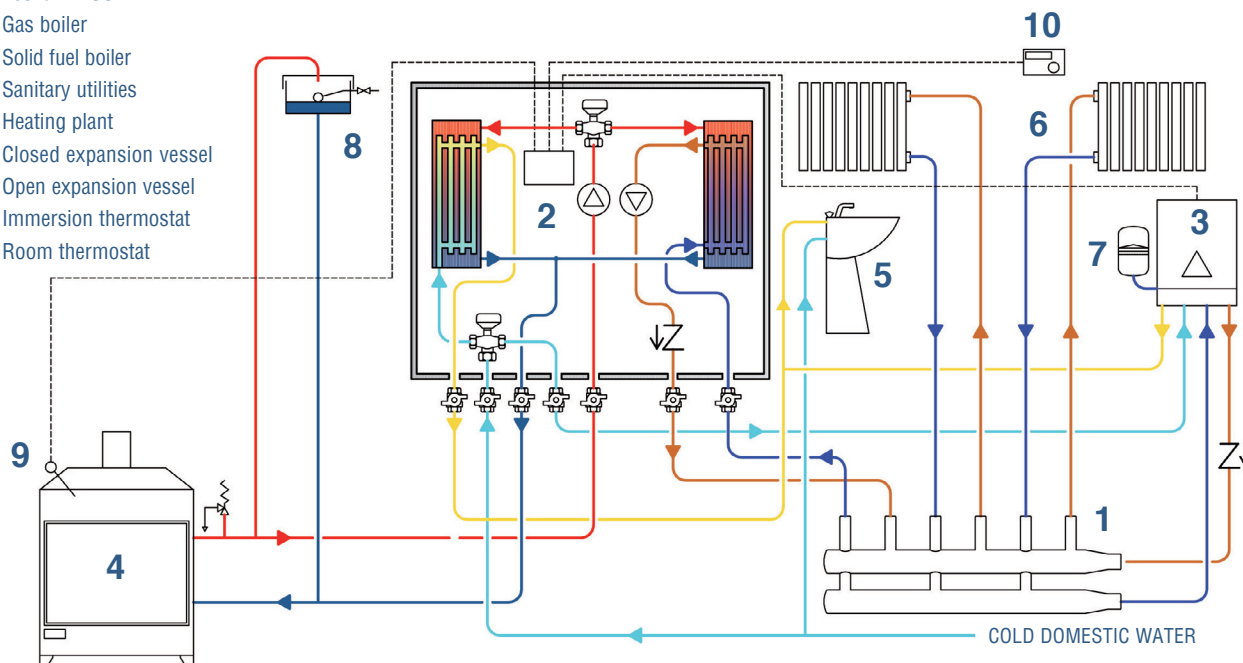
CASING

CODE	DESCRIPTION	€
CEKRS	RAL 9010 white cover	98,30
Add A *	Anti-condensation system	68,60

* ADD "A" AT THE END OF THE BASE MODEL CODE

EXAMPLE OF USE

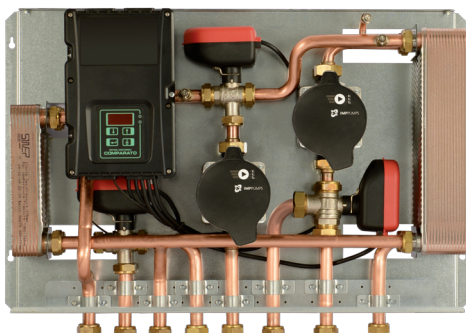
- 1 : DIACOL manifold
- 2 : **Ecokam RSC**
- 3 : Gas boiler
- 4 : Solid fuel boiler
- 5 : Sanitary utilities
- 6 : Heating plant
- 7 : Closed expansion vessel
- 8 : Open expansion vessel
- 9 : Immersion thermostat
- 10 : Room thermostat





Production of domestic hot water with separation of the solid fuel boiler and motorised valve

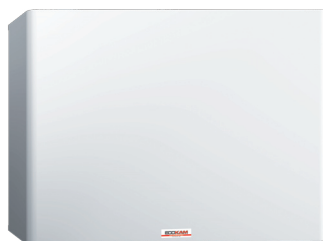
- Separation of the solid fuel boiler from the rest of the system with a plate heat exchanger and diverter valve.
- Automatic switching between the solid fuel boiler and the gas boiler.
- With instant DHW production.



CODE	DESCRIPTION	€
ES2P18RS	source power max 20 kW • 2 pumps	1.995,70
ES2P35RS	source power max 35 kW • 2 pumps	2.060,00
ES1P18RSI	source power max 20 kW • 1 pump *	1.723,40
ES1P35RSI	source power max 35 kW • 1 pump *	1.787,60

* HEATING SIDE

Accessories



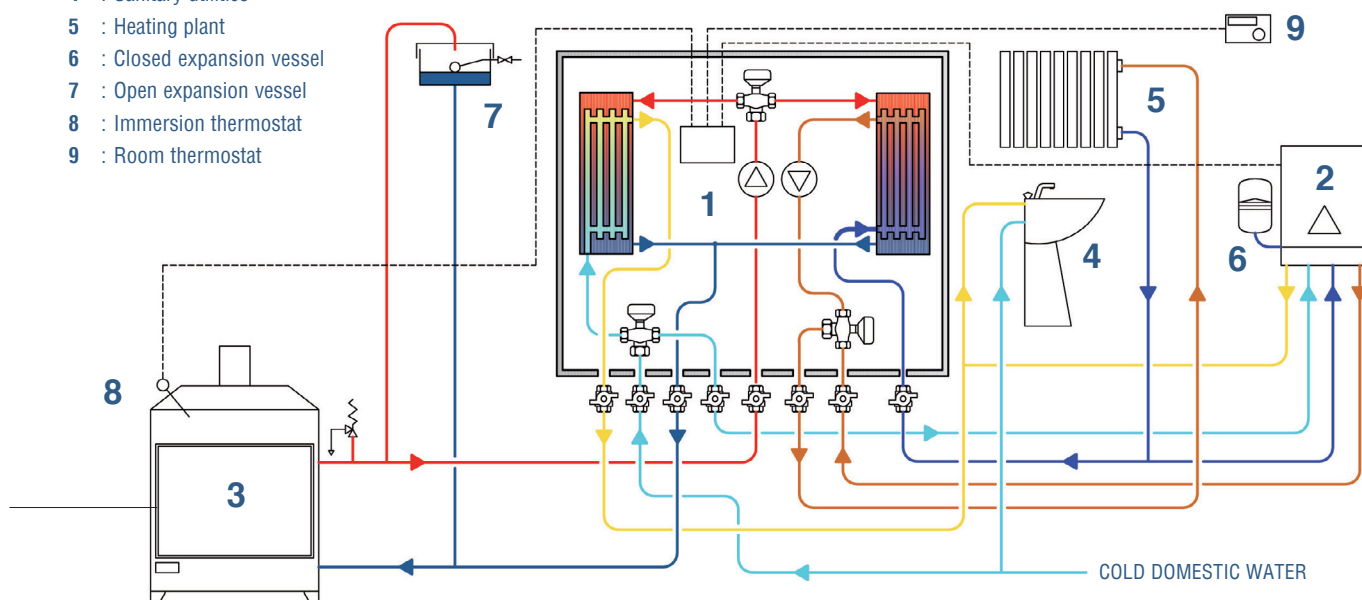
CASING

CODE	DESCRIPTION	€
CEKRS	RAL 9010 white cover	98,30
Add A *	Anti-condensation system	68,60

* ADD "A" AT THE END OF THE BASE MODEL CODE

EXAMPLE OF USE

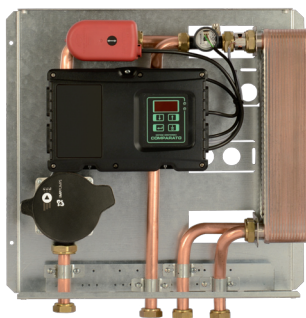
- 1 : Ecokam RS
- 2 : Gas boiler
- 3 : Solid fuel boiler
- 4 : Sanitary utilities
- 5 : Heating plant
- 6 : Closed expansion vessel
- 7 : Open expansion vessel
- 8 : Immersion thermostat
- 9 : Room thermostat





Production of domestic hot water

- Use of thermal energy from a technical water storage.
- With plate heat exchanger.
- With modulating electronic controller.



CODE	DESCRIPTION	€
ECOSP35	power max 35 kW • 1 pump	1.079,80
ECOSP50	power max 50 kW • 1 pump	1.142,10
ECOSP60	power max 60 kW • 1 pump	1.465,00
ECOSI35	power max 35 kW ready for pump 1"x130mm	807,50
ECOSI50	power max 50 kW ready for pump 1"x130mm	869,90

Accessory

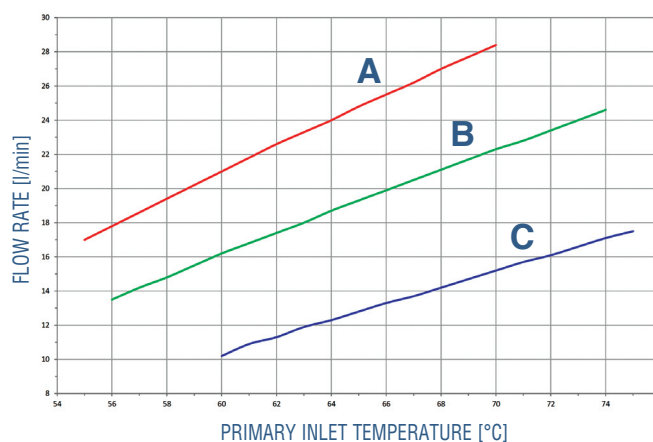


CASING

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70

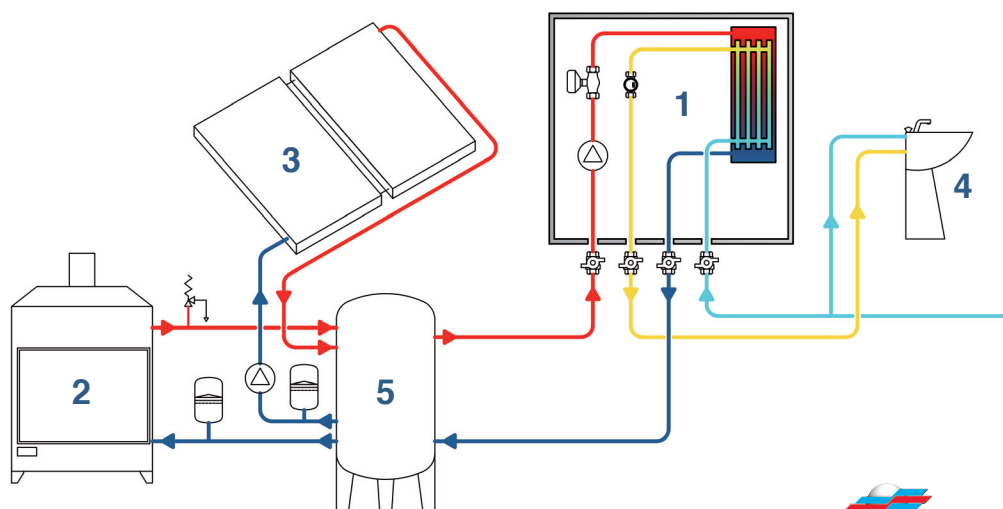
ΔT DOMESTIC HOT WATER 10 / 45°C

- A : ECOSP60
B : ECOSP50
C : ECOSP35



EXAMPLE OF USE

- 1 : ECOSAN
2 : Solid fuel boiler
3 : Solar thermal plant
4 : Sanitary utilities
5 : Puffer



Ecosan PDC

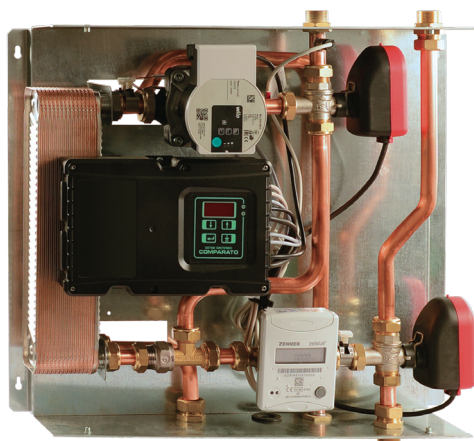


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Production of domestic hot water



Hydraulic unit for the instant production of domestic hot water, using a plate heat exchanger, for systems equipped with **HEAT PUMPS**. The electronic temperature controller modulates the speed of the primary pump by varying the flow rate, thus maintaining the domestic hot water temperature stable, precisely, and efficiently. Thanks to the high surface area plate heat exchanger, **ECOSAN PDC** can produce DHW with a technical water temperature stored in the buffer tank of only 50°C.

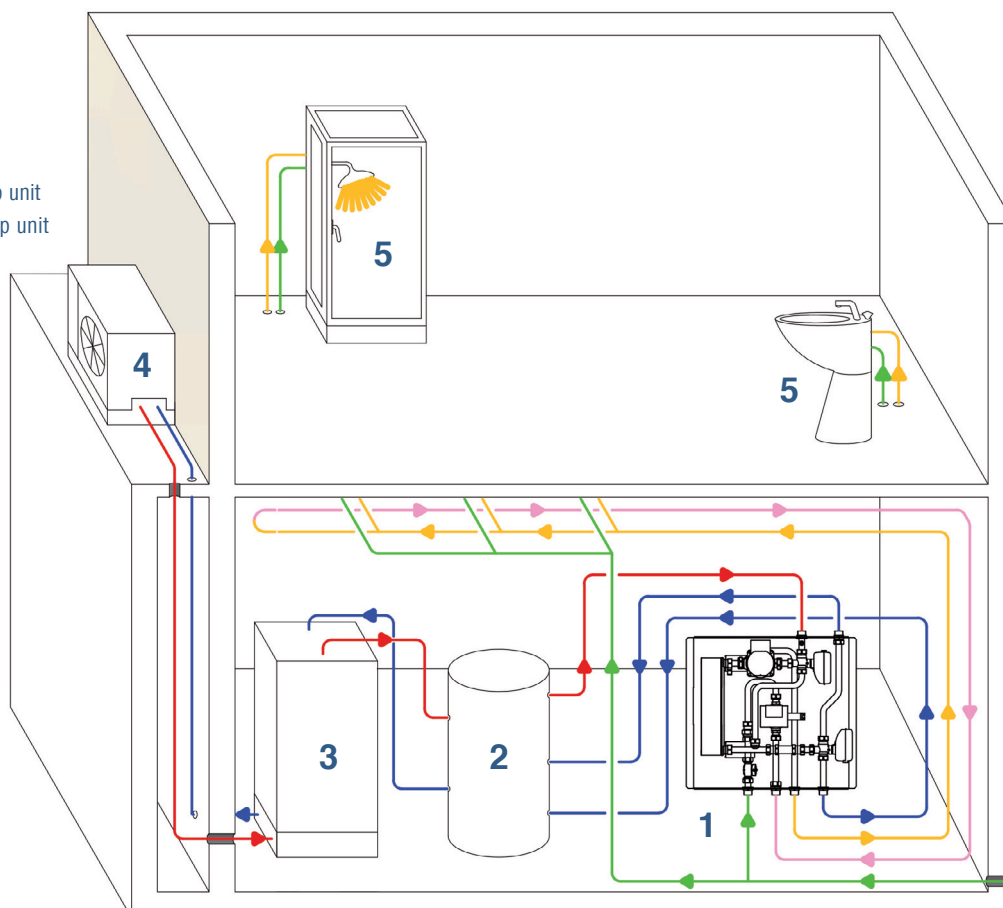


FUNCTIONS

- DHW temperature electronic regulation by modulating the primary flow thanks to a high-efficiency PWM pump
- Primary flow temperature control by using a mixing valve
- DHW recirculation with pump and programmable anti-legionella thermal disinfection cycle
- Primary return diversion by using a 3-way valve for water stratification in the puffer
- Generator activation through immersion probe for puffer
- Direct energy meter
- Modbus-RTU communication protocol for remote management

EXAMPLE OF USE

- 1 : ECOSAN PDC
- 2 : Puffer
- 3 : Internal Heat Pump unit
- 4 : External Heat Pump unit
- 5 : Sanitary utilities

HYDRAULIC
INTERFACES

Ecosan PDC



i

TABLE for code configuration

0	ECOSAN PDC	€
ECOPC	DHW instantaneous production for heat pumps, electronic regulation, Modbus-RTU for remote management by BMS systems	1.308,10
1	NOMINAL POWER	€
35	35 kW nominal power plate exchanger	000,00
50	50 kW nominal power plate exchanger	255,30
2	PRIMARY FLOW TEMPERATURE CONTROL	€
0	not present	000,00
1	present with 3-way mixing valve	224,50
3	EXTRA FUNCTIONS	€
0	not present	000,00
R	DHW recirculation with pump and anti-legionella thermal disinfection cycle	396,30
D	primary return diversion with 3-way valve for water stratification in the puffer	164,50
3	generator activation through immersion temperature probe for puffer	34,40
4	HEAT METER READY	€
0	not present	000,00
T	heat meter stub piece 3/4"x110mm	22,50

Accessories

HEAT METER

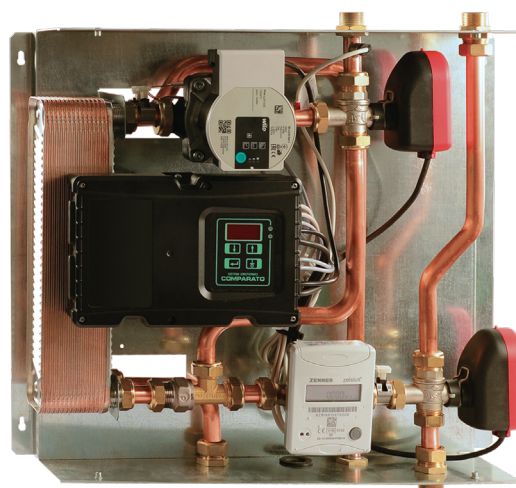
CODE	DESCRIPTION	€
CFCENM34B	Mechanical energy meter hot / cold DN15 Qp 1,5 mc/h M-Bus reading	409,80
CFCENU34B	Ultrasonic energy meter hot / cold DN15 Qp 1,5 mc/h M-Bus reading	514,60
CFCENU34BW	Ultrasonic energy meter hot / cold DN15 Qp 1,5 mc/h Wireless M-Bus readings	576,00

WHITE COVER

CODE	DESCRIPTION	€
CPDC	RAL9010 white solid cover	101,40

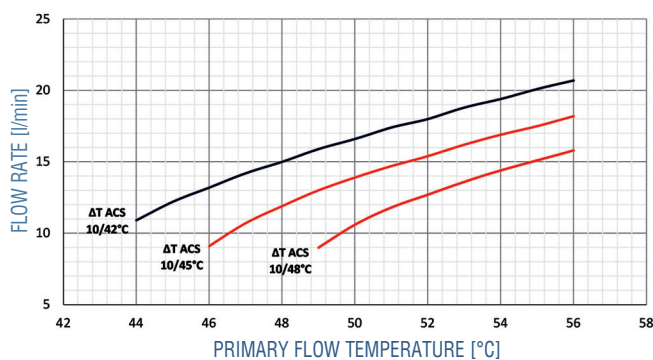
CODE EXAMPLE

0	1	2	3	4
ECOPC	35	0	R	0

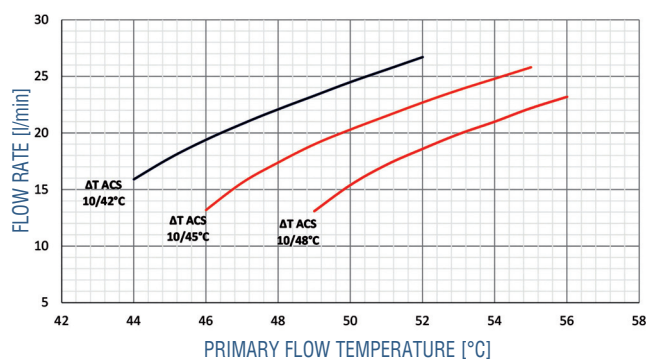


DHW PRODUCTION PERFORMANCE FOCUS

35 kW NOMINAL POWER VERSION

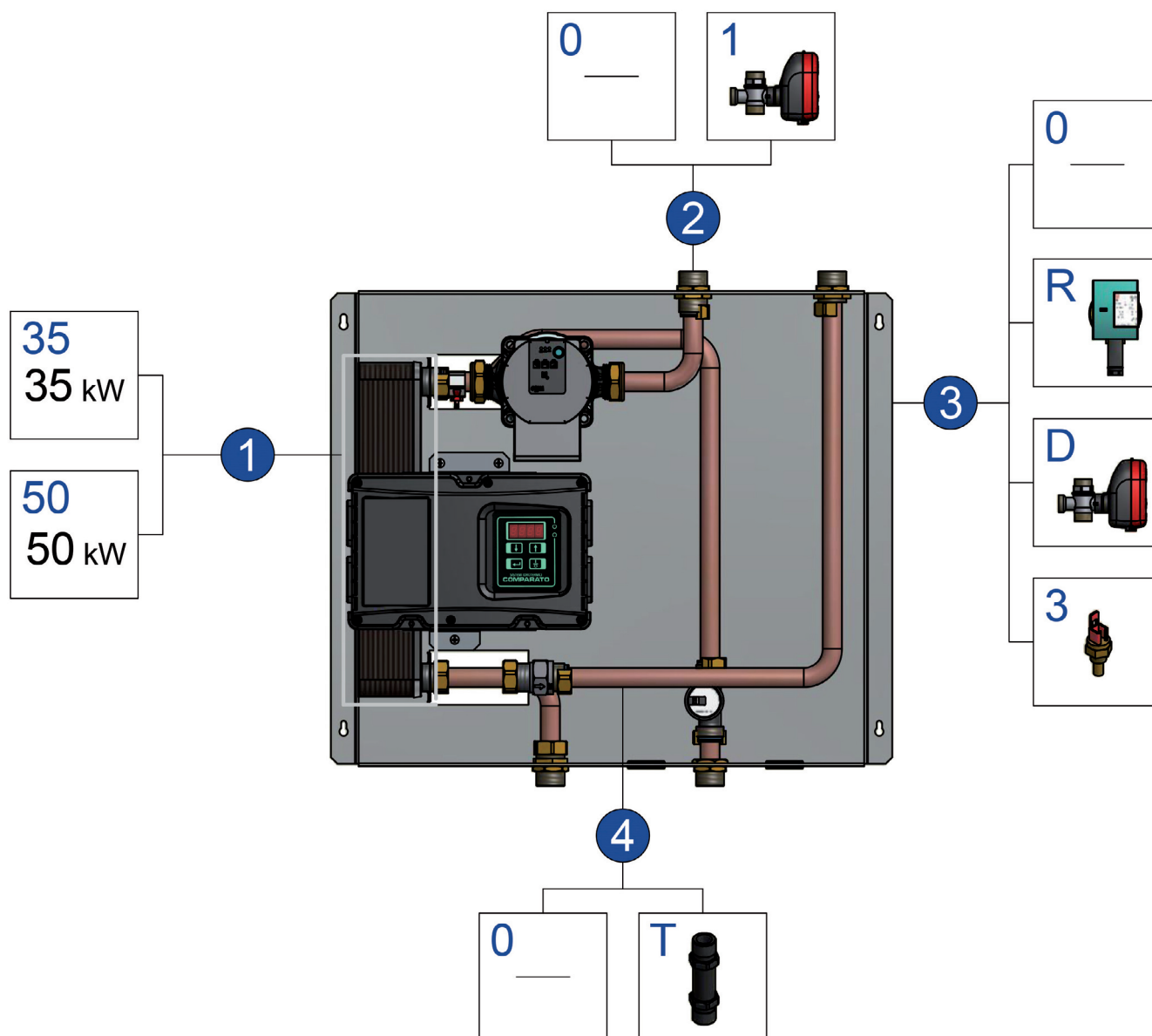


50 kW NOMINAL POWER VERSION



Ecosan PDC

i



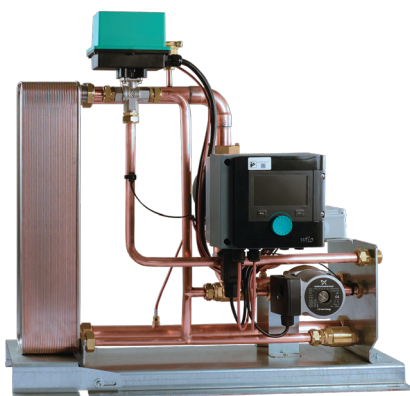
Ecosan PDC L



Production of domestic hot water



Hydraulic unit for DHW instantaneous production using a plate heat exchanger for systems with **HEAT PUMP**. The electronic mixing valve manages the recirculation pump and the anti-legionella disinfection cycle; it also controls the flow temperature to the DHW distribution line. Thanks to the plate heat exchanger with high thermal exchange surface area, **ECOSAN PDC L** can produce DHW with 50°C technical water of the puffer.



FUNCTIONS

- DHW instantaneous production by using a plate heat exchanger
- DHW mixing by using an electronic mixing valve
- Programmable anti-legionella thermal disinfection
- Storage of the anti-legionella cycles realised
- Comparato LegioTool Software for the communication between PC and mixing valve with data download
- Modbus-RTU communication protocol for remote management
- Recirculation return temperature control by PWM modulation pump
- Recirculation pump with time setting

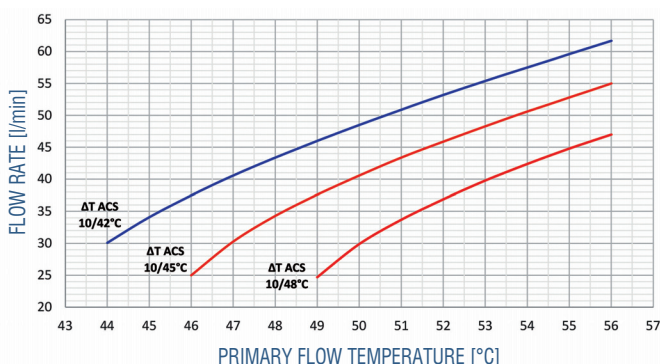
CODE	DESCRIPTION	€
ECOSL100	instantaneous production nominal power, ACS 100 kW	on request
ECOSL150	instantaneous production nominal power, ACS 150 kW	on request

Accessories

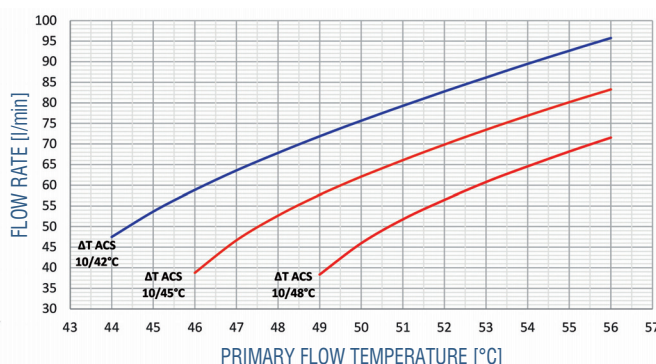
CODE	DESCRIPTION	€
CIRPDC	PWM recirculation pump	on request
USBMOD	USB-Modbus interface	38,00

DHW PRODUCTION PERFORMANCE FOCUS

100 kW NOMINAL POWER VERSION



150 kW NOMINAL POWER VERSION



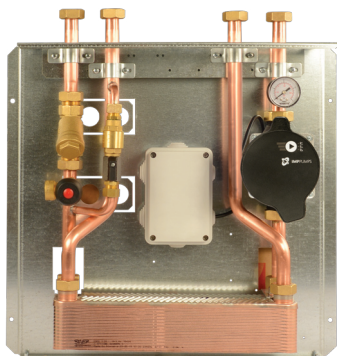
Sep Kit



i

Hydraulic separation unit to preserve the primary plant

- It hydraulically separates the boiler from heating plant to keep the primary circuit clean.



CODE	DESCRIPTION	€
ESEP2614	plate exchanger nominal power 26 kW - boiler / 14 kW - heat pump	882,00

Accessories

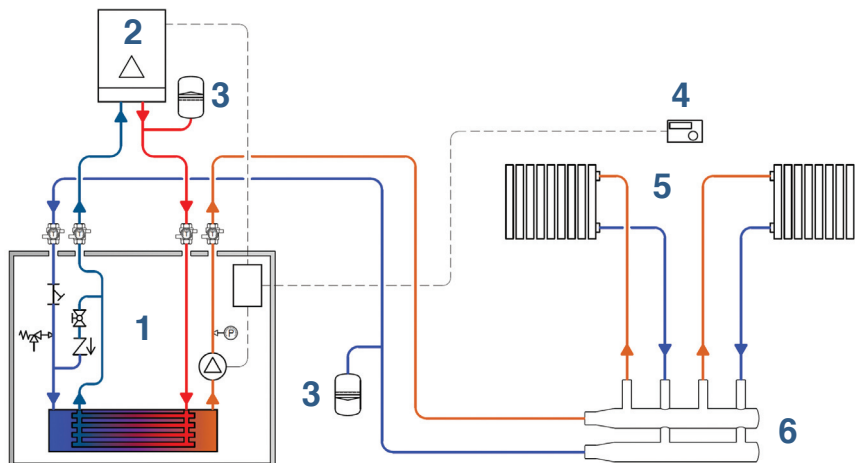
Add the numbers and/or letters listed in the “ID” column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the “€” column to its price.

ID	DESCRIPTION	€
V	Interception valves with thermometer	369,30
S	Control unit	92,20

CODE	DESCRIPTION	€
CEK	RAL 9010 white cover	69,70

EXAMPLE OF USE

- 1 : SEP KIT
- 2 : Boiler
- 3 : Expansion vessel
- 4 : Room thermostat
- 5 : Heating plant
- 6 : Distribution manifold

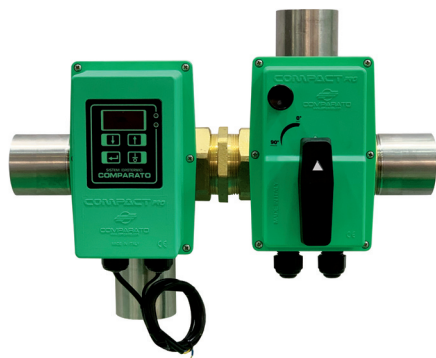


Ecopool



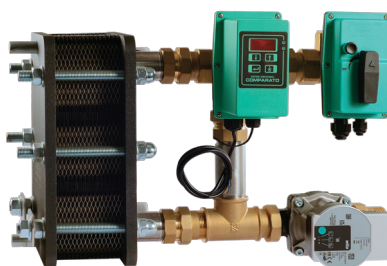
Pool temperature regulation

- Electronic regulation of the supply temperature to the pool.
- Automatic switching between two different energy sources based on the available temperature.
- Remote control capability via RS485 serial port with Modbus-RTU protocol.



CODE	DESCRIPTION	€
PK2050	for pools up to 50 m ³ , 230V AC	928,50
PK2100	for pools from 50 to 100 mc, 230V AC	992,00
PK2200	for pools from 100 to 200 mc, 230V AC	1.014,60

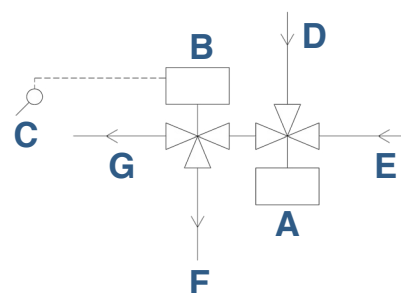
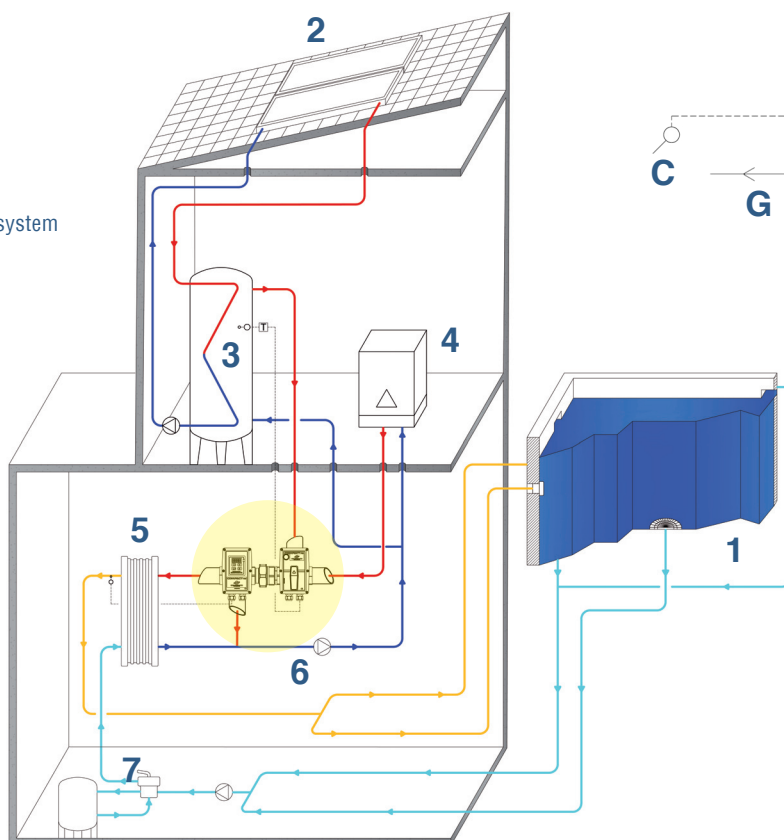
VERSION ON REQUEST



The combination of Compamix mixing valve with Compact PRO diverting valve allows for the automatic management to switch between two different heat sources, such as solar thermal and heat pump, and efficiently controls the temperature of swimming pools.

EXAMPLE OF USE

- 1 : Swimming pool
- 2 : Solar panels
- 3 : Storage tank
- 4 : Boiler
- 5 : Heat exchanger
- 6 : Circulation pump
- 7 : Water treatment system

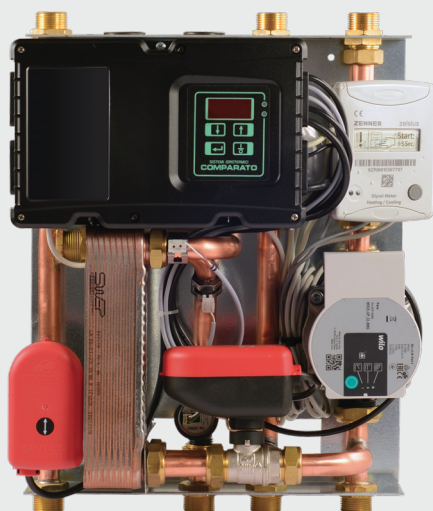


- A 3-way diverting motorised valve
- B 3-way modulating motorised valve with temperature probe
- C Temperature probe on inlet pool
- D Flow from source 1
- E Flow from source 2
- F Return to sources
- G Flow to pool exchanger

PLUG & PLAY

EXISTING PLANTS UPGRADING

IMMEDIATE REPLACEMENTS



Our skill of producing according to Customer's request both in terms of functions and size, allows us to offer units that are perfectly interchangeable with others, that are already existing, in order to make a quick installation without any hydraulic nor building works, even for reduced quantities and in case of an original not **COMPARATO** product. Our Technical Department takes advantage of highly qualified staff who follows the project from the beginning, providing an advanced advice with high added value.

COMPARATO GRANTS:

- Same hydraulic connections position
- Any hydraulic connections interaxis variation
- Same overall dimensions
- Same fixing type
- Continuity of service (climatisation, DHW and DCW)
in apartments reducing residents' inconveniences

DIRECT METERING

	CONTER S	168
	CONTER	169
	CONTER R	175
	DIATECH S	179
	DIATECH LF	183
	DIATECH PDC	187
	FUTURA AC	191
	CUSTOM MADE PROJECTS	196
	PLUG&PLAY	199
	ACCESSORIES	200



Heating/cooling lines and domestic hot and cold water

Hydraulic Interface Unit for management and direct metering for centralised heating and cooling system with centralised DHW production. Direct metering and management of one energy line and domestic hot and cold water lines. Built-in installation.



PREASSEMBLED

CODE	DESCRIPTION	€
Q3IVHT000Y	Heating / cooling line and domestic water lines DN 15 with meter stub piece, DHW and DCW meters (G3/4"x110mm) and 2-WAY ball valve	382,10
Q3IVHT0J0Y	Heating / cooling line and domestic water lines DN 15 with meter stub piece, DHW and DCW meters (G3/4"x110mm), 2-WAY ball valve, and static balancing valve	475,00

Accessories

CODE	DESCRIPTION	€
SR2221U	SINTESI actuator 230V 50Hz, 2-point with auxiliary contact (opening) for zone valve	94,20
SR2421U	SINTESI actuator 24V 50Hz, 2-point with auxiliary contact (opening) for zone valve	94,20
RFKITCCAB	mechanical energy meter kit for hot / cold DN15 Qp 1,5 m³/h and 2 M-Bus meters for DHW and DCW	549,30
QS4CS	frame and door with customised lock	119,80
RF0IBQS42A	energy line insulation	72,20



Heating/cooling lines and domestic hot and cold water

Hydraulic Interface Unit for direct metering and management of heating and cooling systems equipped with centralised domestic hot water production, with direct metering and management of the energy line. Optional hot and cold domestic water lines. Wall-hanging and built-into-wall installation.

MODULAR



EXAMPLE OF USE

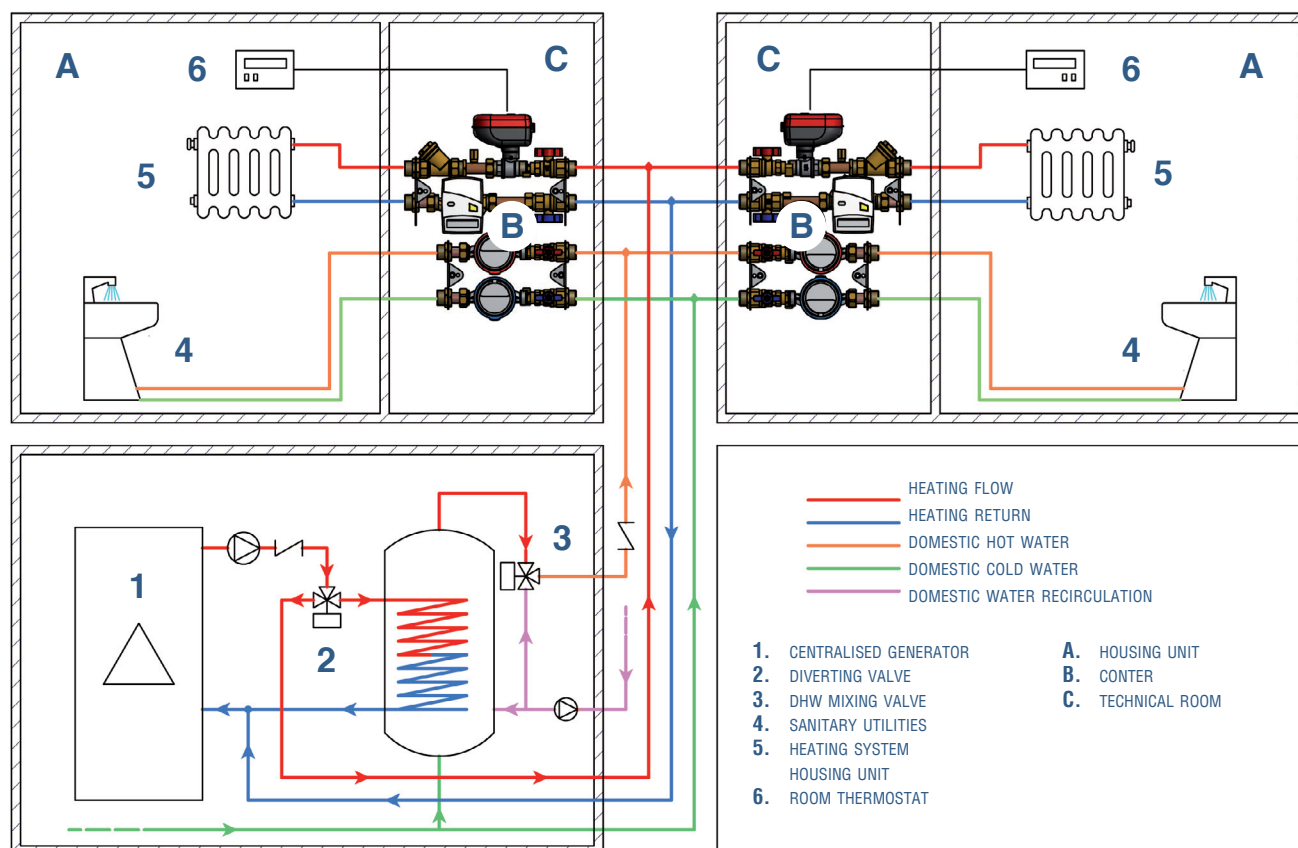




TABLE for code configuration

0	METERING LINE CONTER	€ DN15 - 3/4"	€ DN20 - 1"
QK0	heating / cooling line DN15 with meter stub piece (G3/4"x110mm) and 2-WAY ball valve	191,50	
QK1	heating / cooling line DN15 with meter stub piece (G3/4"x110mm) and BY-PASS ball valve	242,20	
QK3	heating / cooling line DN20 with meter stub piece (G1"x130mm) and 2-WAY ball valve		346,80
QK4	heating / cooling line DN20 with meter stub piece (G1"x130mm) and BY-PASS ball valve		416,00
1	INSULATION	€ DN15 - 3/4"	€ DN20 - 1"
H	energy line	00,00	00,00
S	insulated energy line	51,10	62,00
2	FLOW REGULATION	€ DN15 - 3/4"	€ DN20 - 1"
0	not required	00,00	00,00
J	static balancing valve	96,00	140,00
X	dynamic balancing valve	235,40	496,00
D	differential pressure control valve - DPCV	314,00	340,00
M *	electronic flow regulation - MODFLOW	540,00	560,00
P	electronic pump	320,40	542,00
3	TYPE OF OUTLET	€ DN15 - 3/4"	€ DN20 - 1"
A	direct	000,00	000,00
B **	temperature-controlled	514,00	539,00

* includes SINTESI modulating actuator, electronic control unit

** option B implies QK0 or QK3 and P in position 2

includes electronic control unit, temperature probe and safety thermostat, hydraulic kit including SINTESI modulating actuator

Accessories

SINTESI ACTUATOR TO BE COMBINED WITH THE ZONE VALVE

CODE	DESCRIPTION	€ DN15 - 3/4"	€ DN20 - 1"
SR2221U	SINTESI actuator 230V 50Hz, 2-point with auxiliary contact (opening) for zone valve	94,20	
SR2421U	SINTESI actuator 24V 50Hz, 2-point with auxiliary contact (opening) for zone valve	94,20	
CGQKHT	SINTESI actuator 230V 50Hz with electromechanical control board for zone valve	256,30	

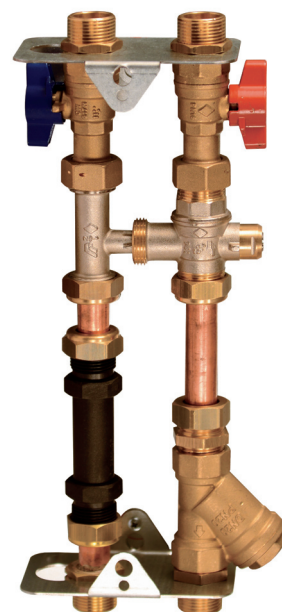
ADDITIONAL SHUT-OFF VALVES

CODE	DESCRIPTION	€ DN15 - 3/4"	€ DN20 - 1"
KIVMG34	pair of additional shut-off ball valves (supplied loose) Ø3/4"	40,00	
KIVMG01	pair of additional shut-off ball valves (supplied loose) Ø1"		97,00

DHW AND RECIRCULATION LINES

CODE	DESCRIPTION	€ DN15 - 3/4"	€ DN20 - 1"
KCACST	DHW line with meter stub piece (G3/4"x110mm) • DN15	69,80	
KCAFST	DCW line with meter stub piece (G3/4"x110mm) • DN15	69,80	
KCACST1	DHW line with meter stub piece (G1"x130mm) • DN20		117,00
KCAFST1	DCW line with meter stub piece (G1"x130mm) • DN20		117,00
KCAT	DHW and DCW lines with replacement fittings for meters (G3/4"x110mm) • DN15	108,30	
KCAT1	DHW and DCW lines with replacement fittings for meters (G1"x130mm) • DN20		187,50
KRICO	DHW line with localised recirculation system and meter stub piece (G3/4"x110mm) • DN15	741,00	

CODE EXAMPLE			
0	1	2	3
QK0	H	0	A



Accessories

MID ENERGY METERS

CODE	DESCRIPTION				€ DN15 - 3/4"	€ DN20 - 1"
CFCENM34B	mechanical energy meter	hot/cold	DN15	Qp=1.5 m³/h M-Bus reading	409,80	
CFCENU34B	ultrasonic energy meter	hot/cold	DN15	Qp=1.5 m³/h M-Bus reading	514,60	
CFCENU34BW	ultrasonic energy meter	hot/cold	DN15	Qp=1.5 m³/h M-Bus reading	576,00	
CFCENM01B	mechanical energy meter	hot/cold	DN20	Qp=2.5 m³/h M-Bus reading		450,80
CFCENU01B	ultrasonic energy meter	hot/cold	DN20	Qp=2.5 m³/h M-Bus reading		520,90
CFCENU01BW	ultrasonic energy meter	hot/cold	DN20	Qp=2.5 m³/h Wireless M-Bus reading		628,40

MID DOMESTIC WATER METERS

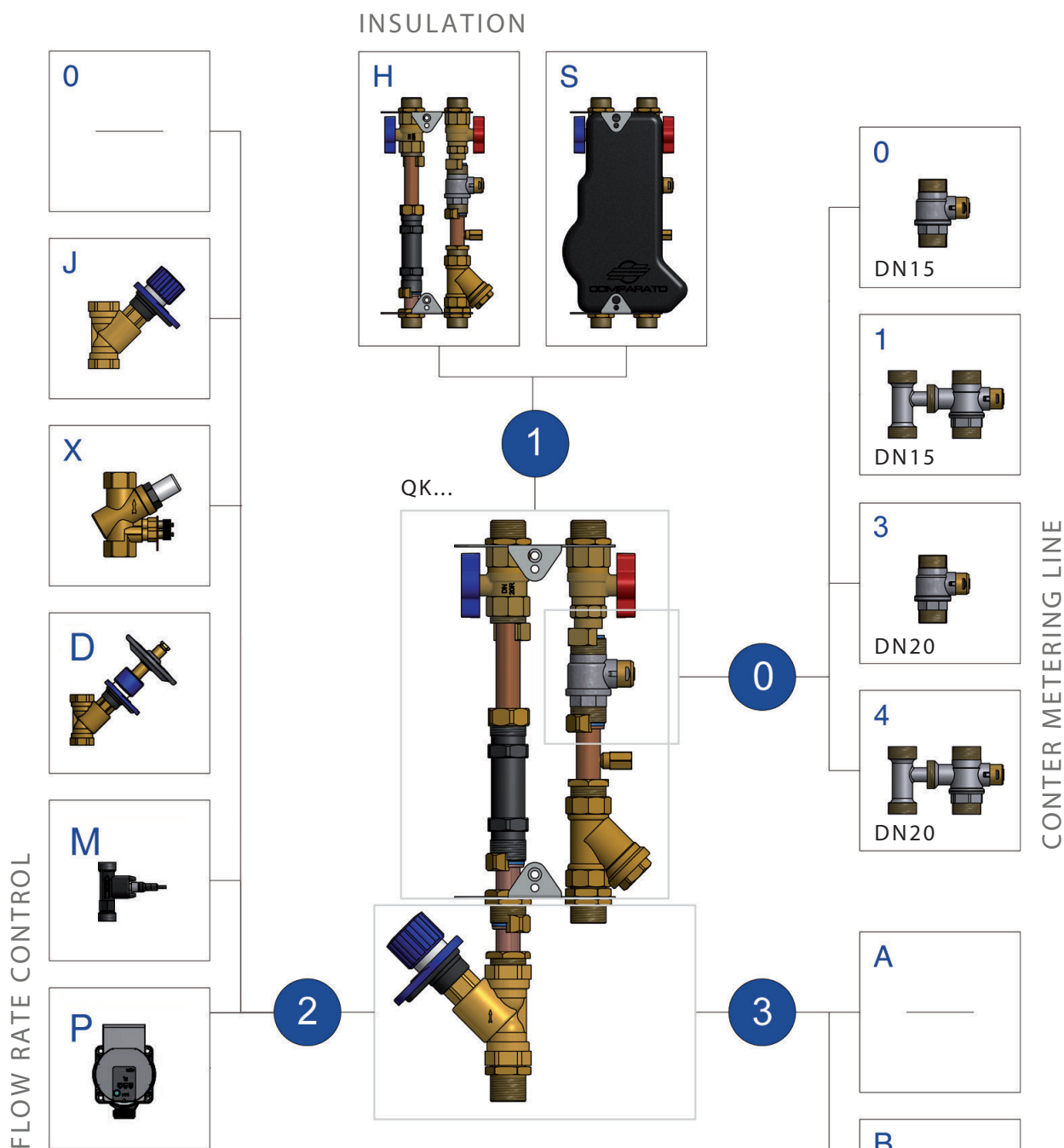
CODE	DESCRIPTION				€ DN15 - 3/4"	€ DN20 - 1"
CFCACSI15	DHW meter	DN15	Q3=2,5 m³/h	with pulse output	66,60	
CFCAFSI15	DCW meter	DN15	Q3=2,5 m³/h	with pulse output	66,60	
RFCACSI15ZM	DHW meter	DN15	Q3=2,5 m³/h	with M-Bus output	236,30	
RFCAFSI15ZM	DCW meter	DN15	Q3=2,5 m³/h	with M-Bus output	236,30	
CFCACSI20	DHW meter	DN20	Q3=4,0 m³/h	with pulse output		112,50
CFCAFSI20	DCW meter	DN20	Q3=4,0 m³/h	with pulse output		112,50

RECESSED METAL ENCLOSURES

CODE	DESCRIPTION		€ DN15 - 3/4"	€ DN20 - 1"
QSA	sheet metal sheet box	550x390x110mm	81,60	
QSB	sheet metal sheet box	890x430x160mm	145,50	
QSC	sheet metal sheet box	550x550x150mm	93,00	

FRAMES AND SHUTTERS

CODE	DESCRIPTION		€ DN15 - 3/4"	€ DN20 - 1"
QSACS	frame and small door with a customised lock for box code	QSA	119,80	
QSBGS	frame and small door with a customised lock for box code	QSB	132,10	
QSCGS	frame and small door with a customised lock for box code	QSC	125,40	

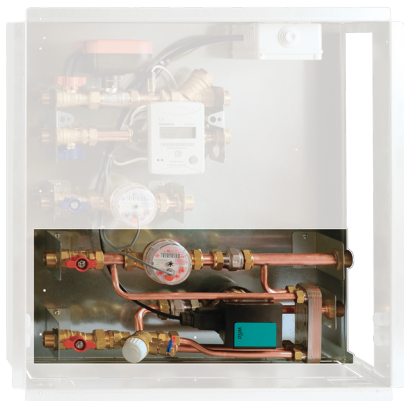


DIRECT
output type

CONTROLLED
TEMPERATURE
output type

ENERGY LINE	SANITARY LINES	QSA	QSB	QSC
Q K [...] H 0 A (KIVM...)	+ KCAT	550x390x110	890x430x160	550x550x150
Q K [...] H 0 A (KIVM...)	+ KCAFST + KRICO			
Q K 0 H [...] A 1	+ KCAT			
Q K 3 H [...] A 4	+ KCAT			
Q K [...] H [...] A	+ KCAFST + KRICO	Please contact the Technical Department		
ENERGY LINE	SANITARY LINES	QSA	QSB	QSC
Q K 0 H P B 3	+ KCAT	550x390x110	890x430x160	550x550x150
Q K 0 H P B 3	+ KCAFST + KRICO	Please contact the Technical Department		

LOCALISED DHW RECIRCULATION SYSTEM



Code KRICO - DHW line with localised recirculation system and replacement stub piece for meter • DN15



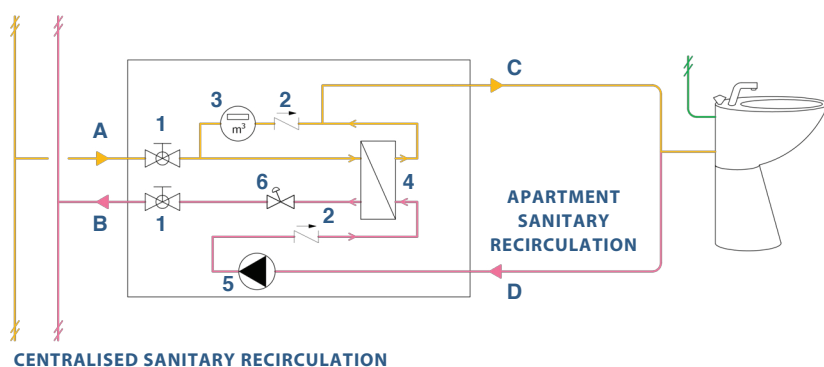
MID COMPLIANCE



HYGIENE AND SAFETY

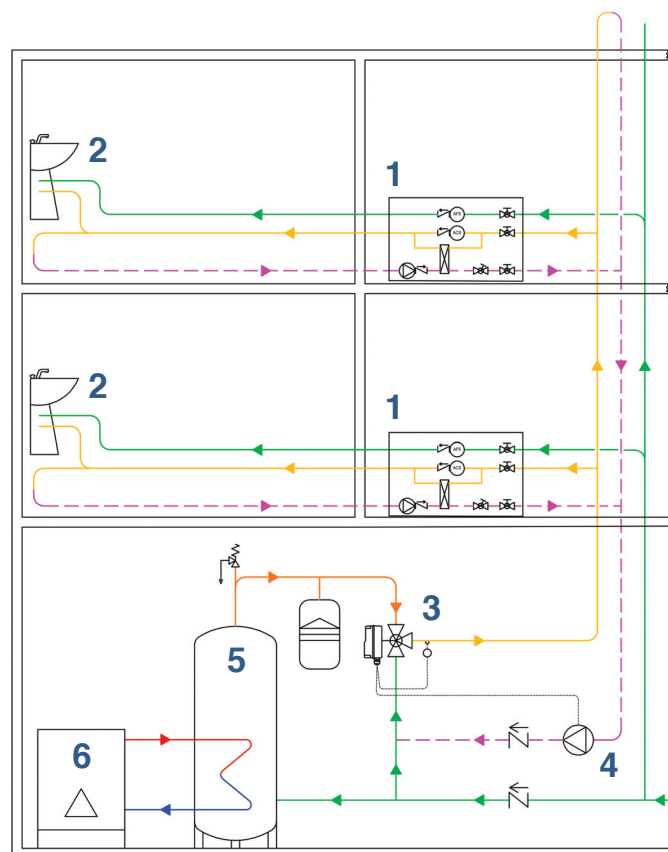


EFFICIENCY AND ENERGY SAVINGS

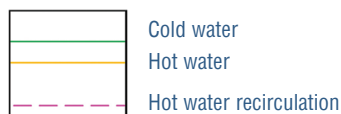


- A : Hot water inlet from centralised system
- B : Return to centralised recirculation
- C : Hot water supply to apartment
- D : Recirculation return from apartment

- 1 : Shut-off valve
- 2 : Check valve
- 3 : Domestic hot water volumetric meter
- 4 : Plate heat exchanger
- 5 : Recirculation pump
- 6 : Flow limiter



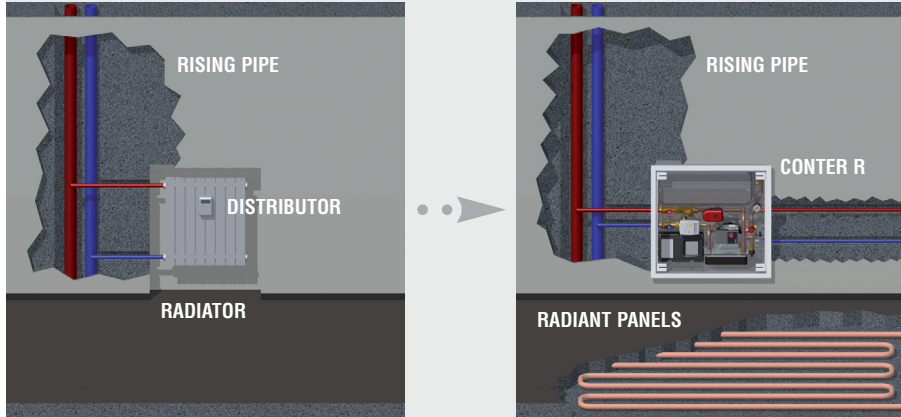
In centralised systems with direct billing of energy and domestic hot water, the standard requires that the hot water delivery time must be kept below 30 seconds, bringing, if necessary, the DHW recirculation line inside the apartment. Comparato localised recirculation system is the functional, reliable, and safe solution that resolves the issue of correct billing for domestic hot water: the system creates, for each individual apartment, an independent localised recirculation loop, separate from the centralised recirculation network. The flow in the apartment's recirculation is ensured by a very low consumption pump, and temperature maintenance is guaranteed by the plate heat exchanger, which transfers heat directly from the main DHW distribution loop.



- 1 : **CONTER RECIRCULATION**
- 2 : Sanitary utilities apartment
- 3 : DHW mixing valve
- 4 : Centralised recirculation pump
- 5 : Centralised DHW boiler
- 6 : Generator

CONTER R

EXAMPLE OF INSTALLATION in place of radiator



CONTER R is designed to transform a system with radiators and cost allocators into a new underfloor heating system with direct energy metering.

Main features are:

- Direct metering
- Hydraulic separation between rising main and house plant
- Temperature regulation and control
- Integration with the centralised system to allocate costs

CONSUMPTION DATA COLLECTION

Thanks to the direct energy meter with M-Bus wireless data transmission capabilities, it is possible to complete the reading with the heat distribution data, with no need to change the system architecture.



M-Bus
wireless

Conter R



i

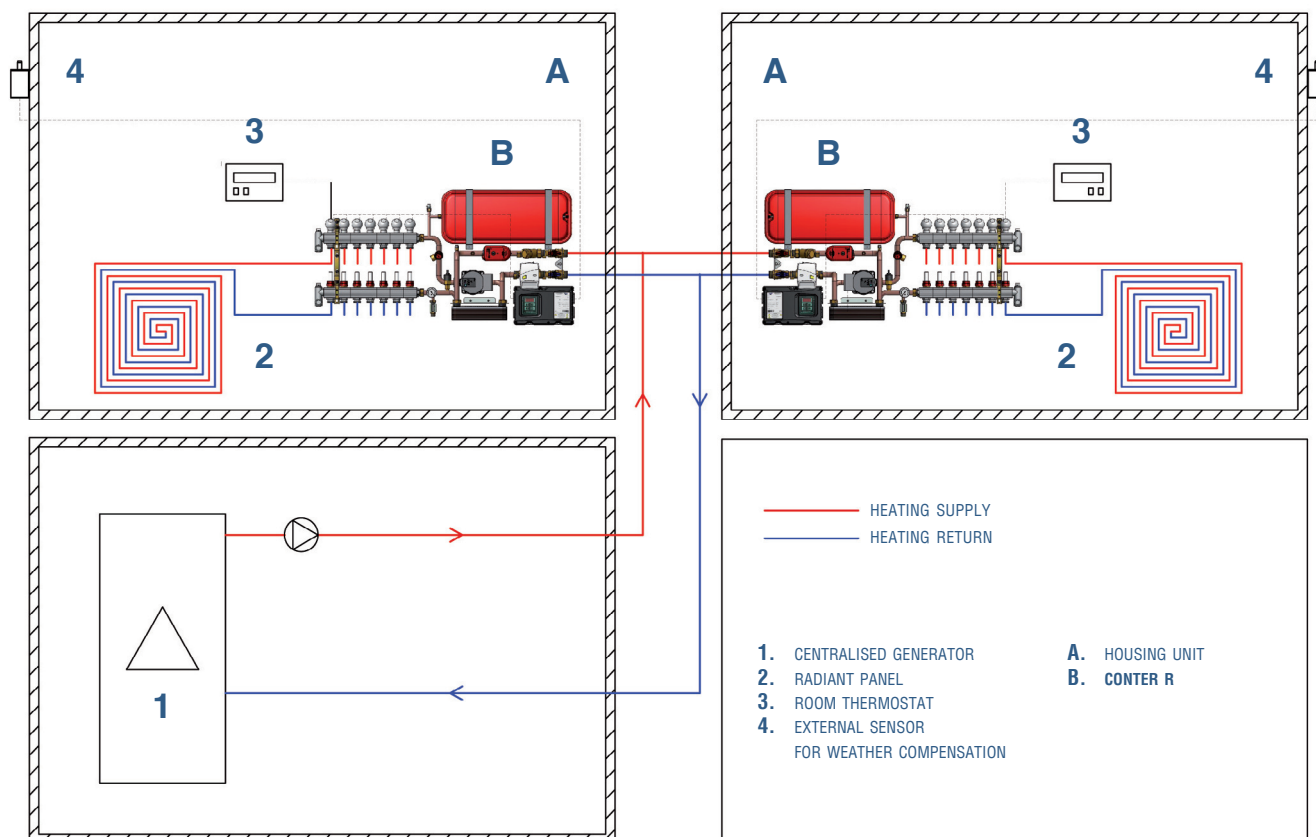
Designed for those who want to replace radiators with radiant panels in a centralised system

IT HAS EVERYTHING YOU NEED TO MANAGE THE NEW RADIANT PANEL SYSTEM.

Hydraulic Interface Unit for direct billing designed for apartment renovations in buildings with a centralised system and heat billing via heat cost allocators. **CONTER R** connects to the distribution system, replacing radiators, and directly measures the energy drawn from the centralised network. It hydraulically separates the housing unit from the centralised system and regulates the supply temperature to the radiant panels.



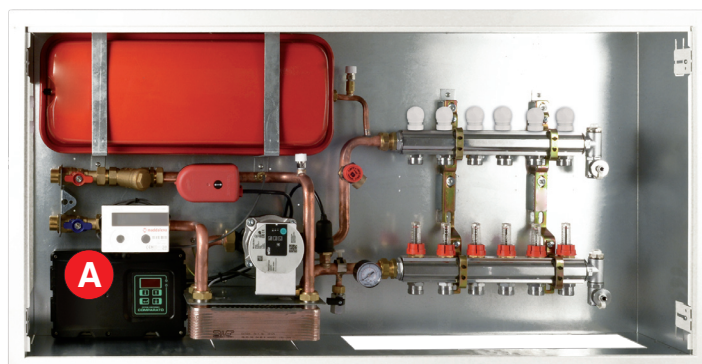
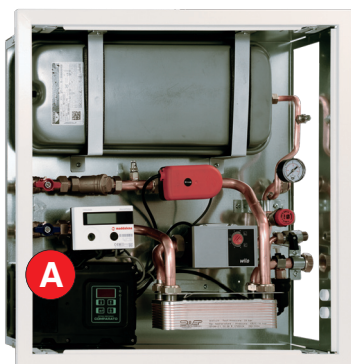
EXAMPLE OF USE





Designed for those who want to replace radiators with radiant panels in a centralised system

- IT HAS EVERYTHING YOU NEED TO MANAGE THE NEW RADIANT PANEL SYSTEM.



- Direct metering
- Hydraulic separation
- Temperature regulation and control

A : Heat meter

WITHOUT MANIFOLD VERSION

with replacement energy meter stub piece

CODE	DESCRIPTION	€
QR00PR	single outlet	1.438,50

WITH MANIFOLD VERSION

with energy meter stub piece

CODE	MANIFOLD TYPE	ZONES	€
QRC3PR	simple	3	1.670,00
QRT3PR	preset for electrothermal heads	3	1.793,80
QRC4PR	simple	4	1.693,70
QRT4PR	preset for electrothermal heads	4	1.859,30
QRC5PR	simple	5	1.716,60
QRT5PR	preset for electrothermal heads	5	1.923,10
QRC6PR	simple	6	1.732,70
QRT6PR	preset for electrothermal heads	6	1.981,80
QRC7PR	simple	7	1.754,20
QRT7PR	preset for electrothermal heads	7	2.046,80
QRC8PR	simple	8	1.773,50
QRT8PR	preset for electrothermal heads	8	2.107,50

Accessories

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price.

ID	DESCRIPTION	€
J	static balancing valve	96,10

Accessories

CODE	DESCRIPTION	€
QSCCS	frame and cover, without manifold	125,40
QDCS	frame and cover, with manifold	147,90
RFSONDAE	external temperature probe for weather compensation function	64,40
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h Wireless M-bus	576,00

Instantaneous DHW Production

Diatech S

Rated power 41 kW • primary temperature > 65°C



Diatech LF

Rated power 50 kW • primary temperature > 55°C



Diatech PDC

Rated power 36 kW • primary temperature = 50°C





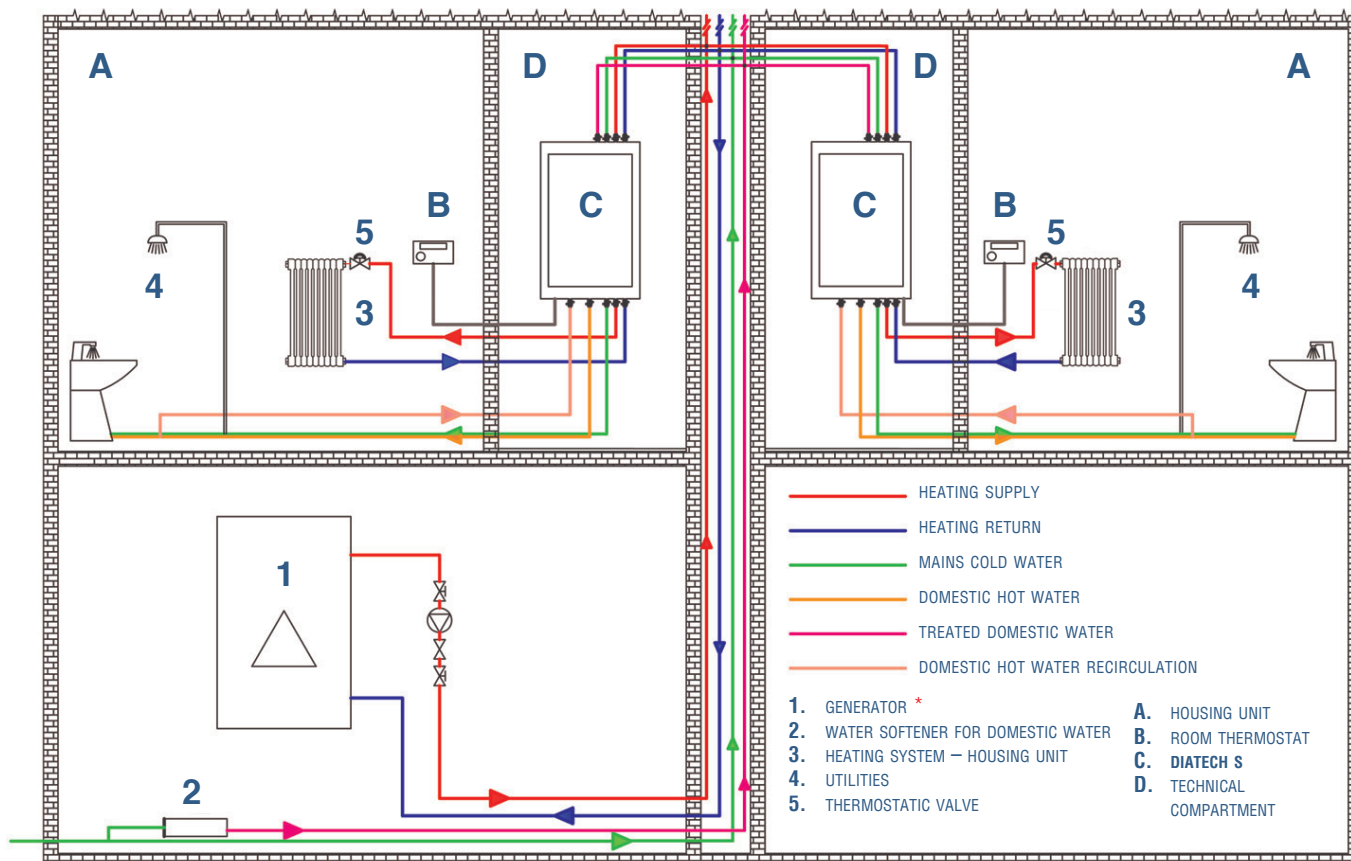
Rated power 41 kW • primary temperature > 65°C

• HEATING AND INSTANT DOMESTIC HOT WATER PRODUCTION

Unit for centralised heating plants with direct metering and heating line management, DCW line and DHW production.



EXAMPLE OF USE



* FOR SYSTEMS WITH CONDENSING BOILERS, PLEASE SEE DIATECH LF P. 183



TABLE for code configuration

0	DIATECH S	€
DS	direct heating line and instant production of DHW with energy meter stub piece and DCW meter - rated power 41 kW	1.168,30
1	KIND OF INSTALLATION	€
B	basic, template box optional	000,00
W	wall hanging with white casing	169,50
2	PUMP	€
0	not requested	000,00
P	pump on primary circuit	372,40
8	recirculation on primary circuit	322,80
9	pump on primary circuit and sanitary recirculation	695,00
3	FLOW REGULATION	€
0	not requested	00,00
J	static balancing valve	96,10
X	dynamic balancing valve	235,40
D	DPCV - differential pressure control valve	314,00
M	Modflow - electronic flow control	305,40
4	TREATED and PRE-HEATED DOMESTIC WATER LINE	€
0	not requested	00,00
T	treated water meter replacement stub piece (G3/4"x110mm)	63,30

Accessories

CODE	DESCRIPTION	€
DIMA7D	template box - basic model	351,40
DIMA8D	template case + treated water line (option 4)	369,50
DIMA8DR	template box + sanitary recirculation (option 2)	386,30
DIMA9DR	template case + domestic recirculation + treated water line (option 2-4)	404,30
DSCS	frame and door with customised lock	132,10

MECHANICAL ENERGY METER

CODE	DESCRIPTION	€
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h Wireless M-Bus reading	576,00

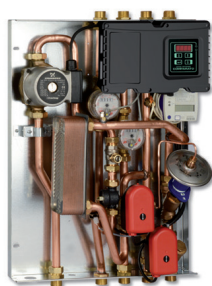
METERS FOR DOMESTIC WATER

CODE	DESCRIPTION	€
CFCACSI15	DHW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60
CFCAFSI15	DCW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60

CODE EXAMPLE				
0	1	2	3	4
DS	B	8	D	T



INSTALLATION FOCUS



A



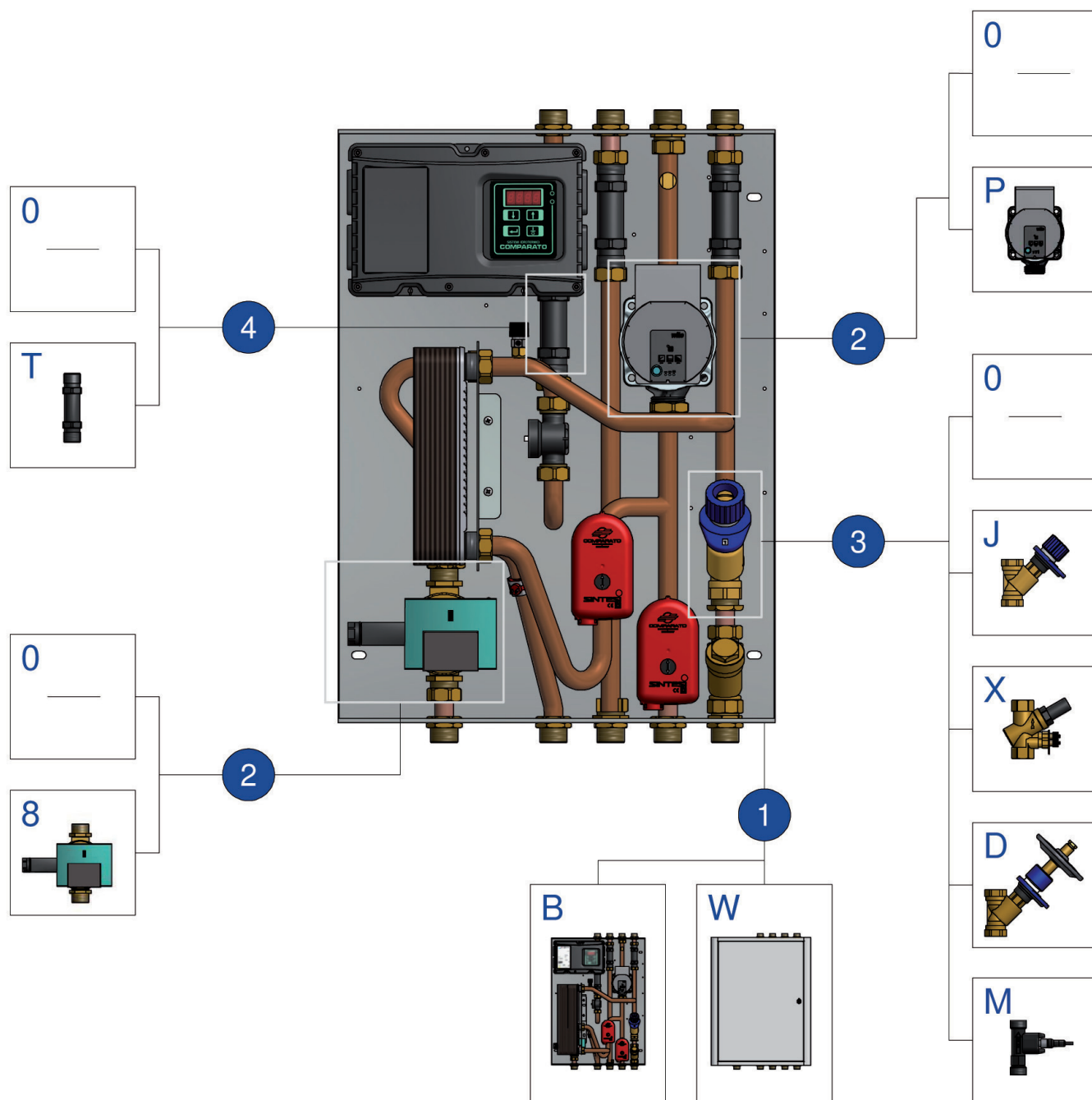
B



C



A basic model **WITHOUT EXTERNAL CASING** option (A) can be provided with extra options according to plant requirements. The **BUILT-INTO-WALL** option (B) and the elegant **WALL HANGING** option (C), with painted casing, are solutions designed for the apartments.



DIMA7D	DIMA8D	DIMA8DR	DIMA9DR	DSCS



Rated power 50 kW • primary temperature > 55°C

• HEATING AND INSTANT DOMESTIC HOT WATER PRODUCTION

HIU for centralised heating systems with **CONDENSING BOILERS**, with direct metering and heating line management, DCW line and DHW production.



EXAMPLE OF USE

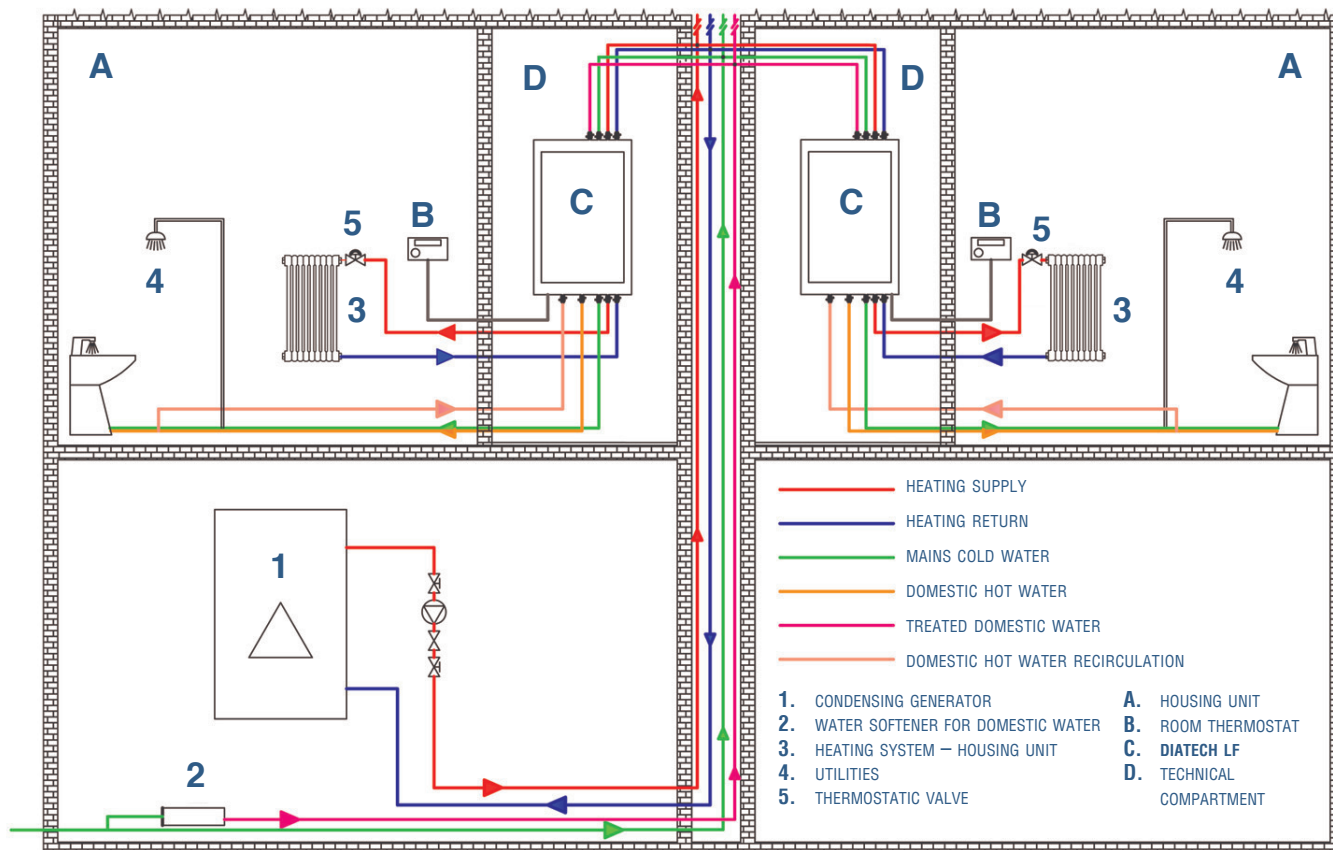




TABLE for code configuration

0	DIATECH LF	€
LF	direct heating line and instant production of DHW with energy meter stub piece and DCW meter (G3/4"x110mm) - rated power 50 kW	1.347,90
1	KIND OF INSTALLATION	€
B	basic, plate box optional	000,00
W	wall hanging with white casing	169,50
2	PUMP	€
0	not requested	000,00
P	pump on primary circuit	372,40
8	recirculation on primary circuit	322,80
3	FLOW REGULATION	€
0	not requested	00,00
J	static balancing valve	96,10
X	dynamic balancing valve	235,40
D	DPCV - differential pressure control valve	314,00
M	Modflow – electronic flow control	305,40
4	TREATED and PRE-HEATED DOMESTIC WATER LINE	€
0	not requested	00,00
T	treated water meter stub piece (G3/4"x110mm)	63,30

Accessories

CODE	DESCRIPTION	€
DIMA7D	template box - basic model	351,40
DIMA8D	template case + treated water line (option 4)	369,50
DIMA8DR	template box + sanitary recirculation (option 2)	386,30
DIMA9DR	template case + domestic recirculation + treated water line (option 2-4)	404,30
DSCS	frame and door with customised lock	132,10

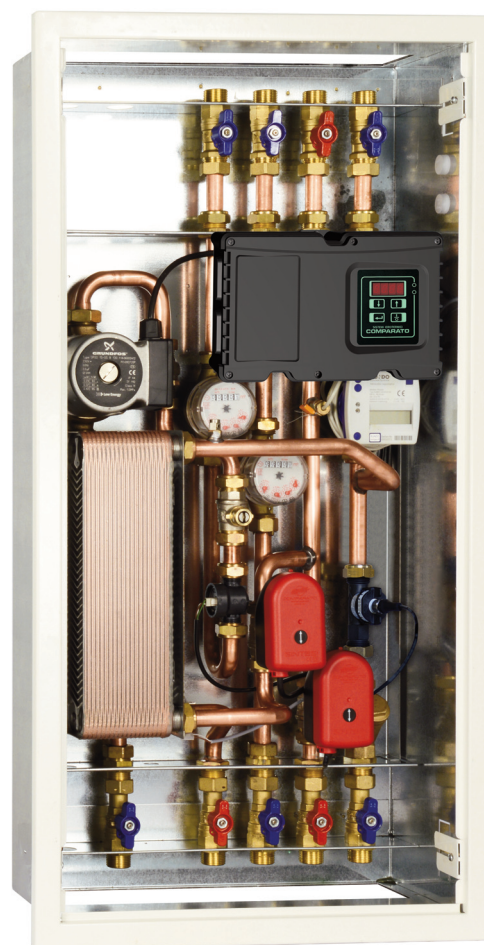
MECHANICAL ENERGY METER

CODE	DESCRIPTION	€
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h Wireless M-Bus reading	576,00

METERS FOR DOMESTIC WATER

CODE	DESCRIPTION	€
CFCACSI15	DHW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60
CFCAFSI15	DCW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60

CODE EXAMPLE				
0	1	2	3	4
LF	B	8	M	T



INSTALLATION FOCUS



A



B



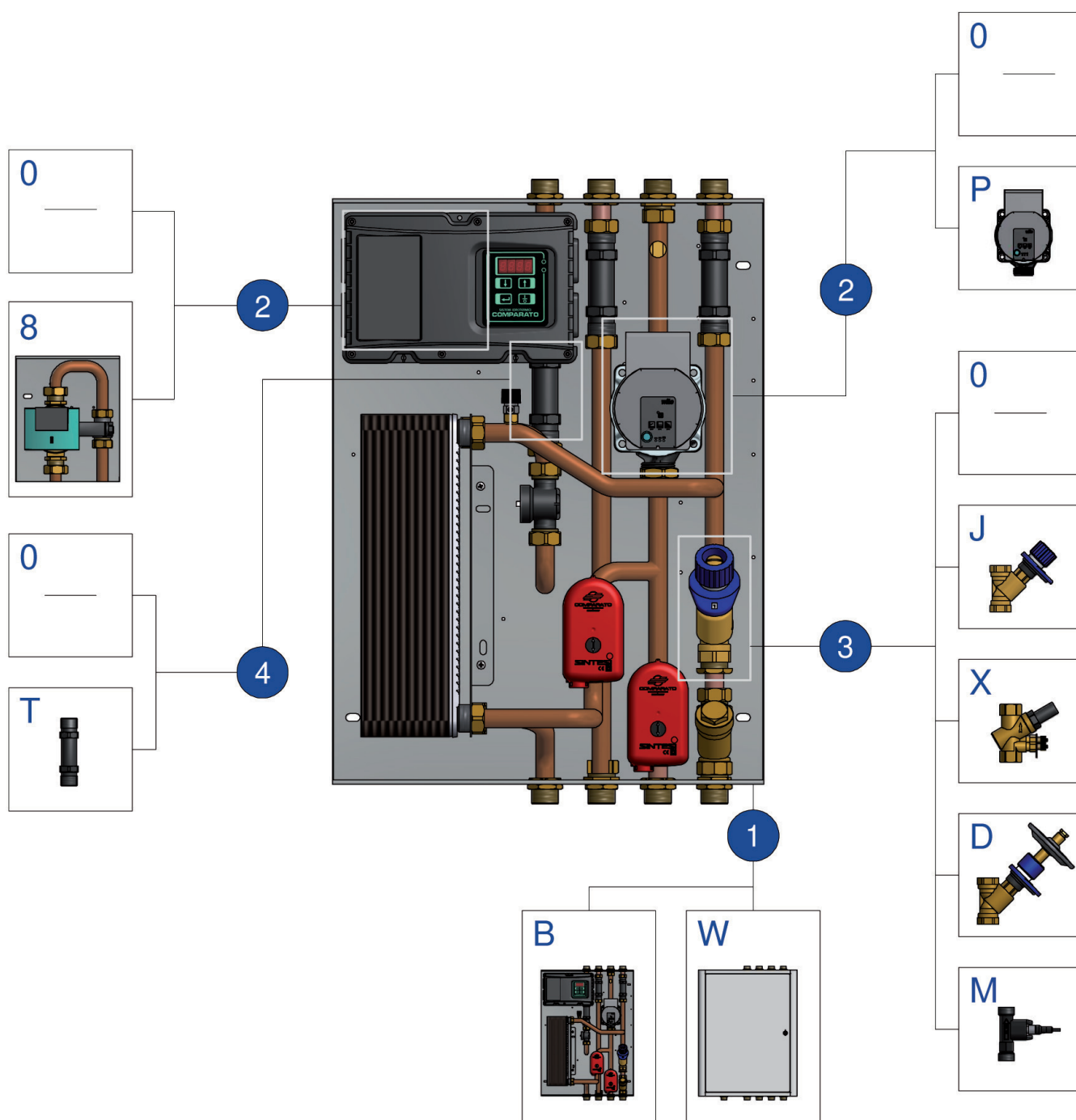
C



A basic model **WITHOUT EXTERNAL CASING** option (A) can be provided with extra options according to plant requirements. The **BUILT-INTO-WALL** option (B) and the elegant **WALL HANGING** option (C), with painted casing, are solutions designed for the apartments.



i



DIMA7D	DIMA8D	DIMA8DR	DIMA9DR	DSCS



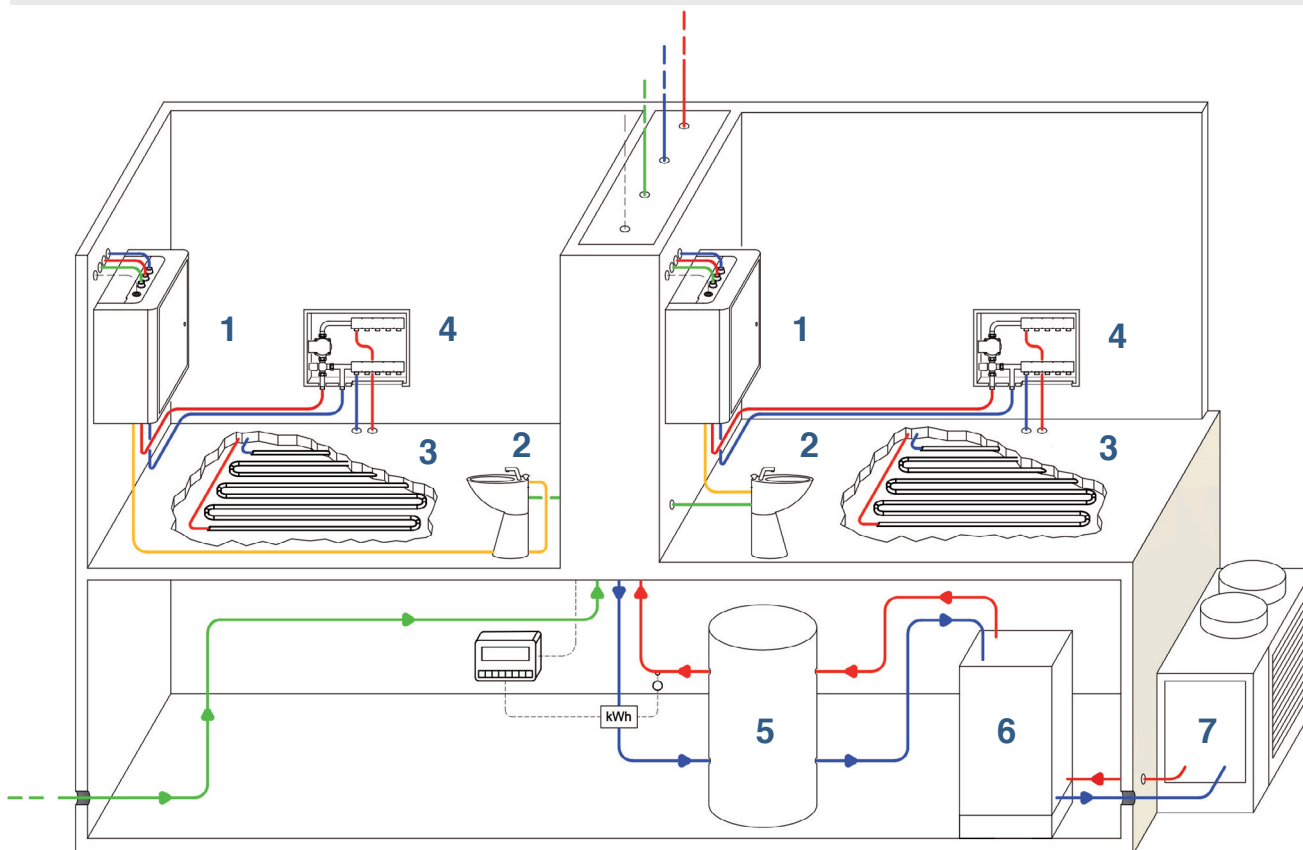
Rated power 36 kW • primary temperature = 50°C

• **HEATING AND INSTANTANEOUS DOMESTIC HOT WATER PRODUCTION**

HIU for central heating systems with **HEAT PUMPS** provided with direct meter, instantaneous DHW production and management of one heating line with controlled temperature. Thanks to the plate heat exchanger with high thermal exchange surface area, the unit can produce instantaneously 15l/min of DHW (thermal drop 10/45°C) with a distribution network temperature of 50°C.



EXAMPLE OF USE



- 1 : DIATECH PDC
2 : Users
3 : Radiant panel
4 : Mixing unit

- 5 : Puffer
6 : HP indoor unit
7 : HP outdoor unit



TABLE for code configuration

0	DIATECH PDC	€
PC	mixed heating line with DHW instantaneous production for heat pumps with stub pieces for energy and DCW meters (G3/4"x110mm) - rated power 36 kW	1.634,80
1	KIND OF INSTALLATION	€
B0	basic	000,00
I0	built-into-wall (with temporary door)	264,50
2	FLOW REGULATION	€
0	not provided	000,00
J	static balancing valve	96,00
D	DPCV - differential pressure control valve	407,30
M	Modflow – electronic flow control	305,40
3	TREATED and/or PRE-HEATED SANITARY WATER LINE	€
0	not provided	000,00
T	stub piece for treated water meter (G3/4"x110mm)	63,30

Accessories

CODE	DESCRIPTION	€
DSM	white cover for wall-hanging version	169,60
DSCS	white frame and door for built-into-wall version	132,10

MECHANICAL ENERGY METER

CODE	DESCRIPTION	€
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h M-Bus reading	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h Wireless M-Bus reading	576,00

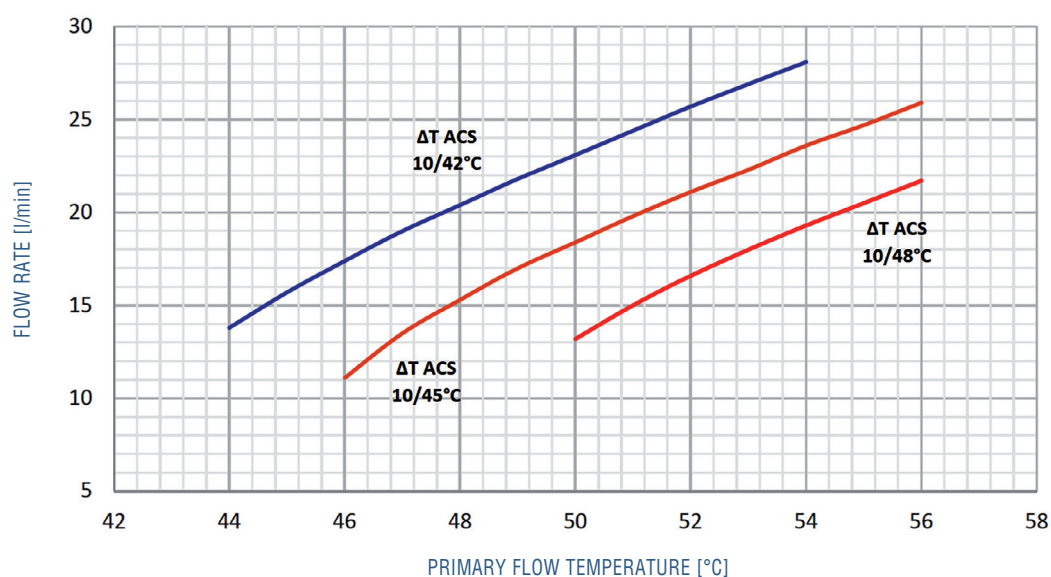
METERS FOR DOMESTIC WATER

CODE	DESCRIPTION	€
CFCACSI15	DHW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60
CFCAFSI15	DCW meter DN15 Qn 2,5 m³/h with pulse outputs	66,60

CODE EXAMPLE			
0	1	2	3
PC	IO	0	T

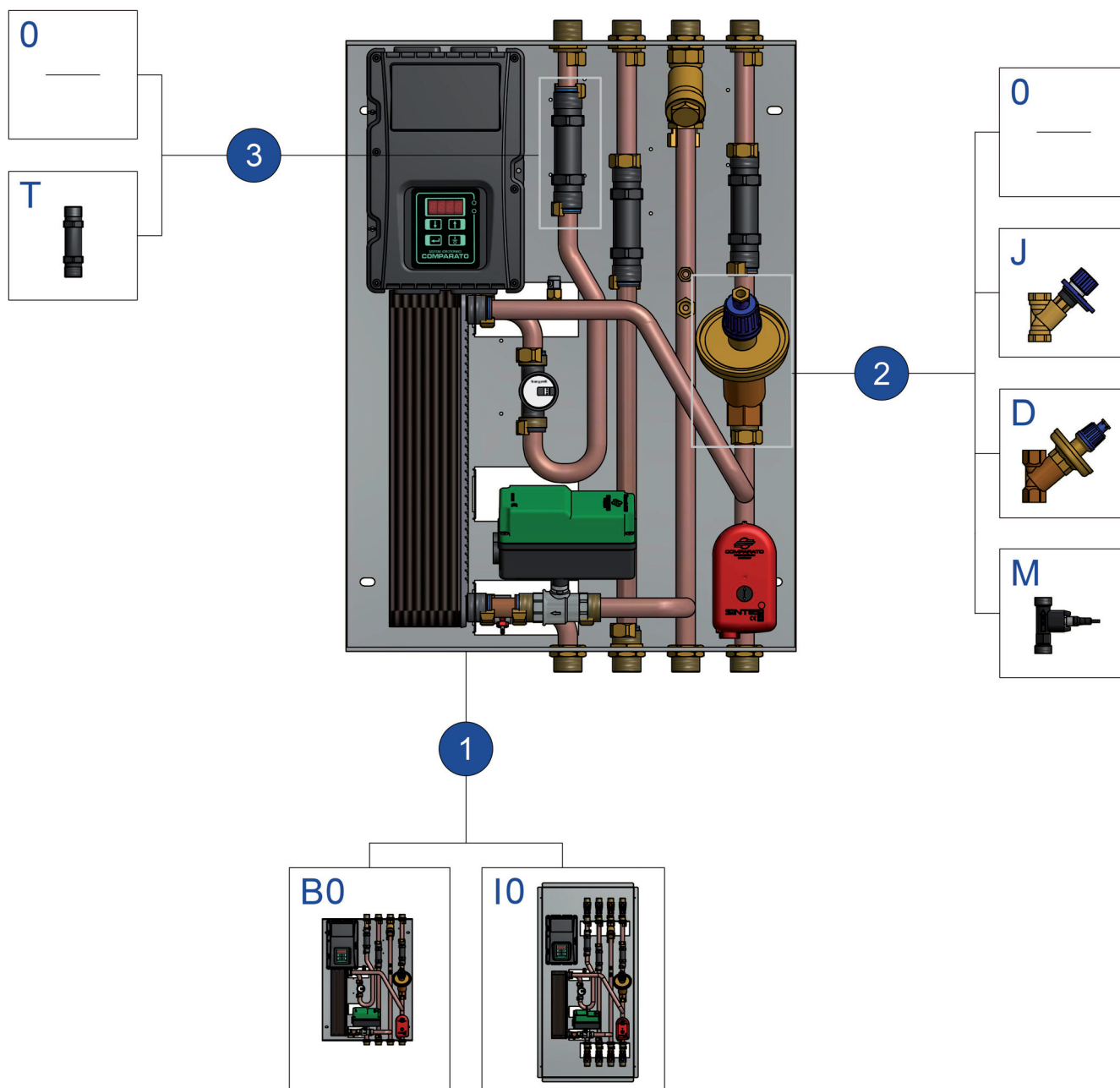


DHW PRODUCTION PERFORMANCE FOCUS





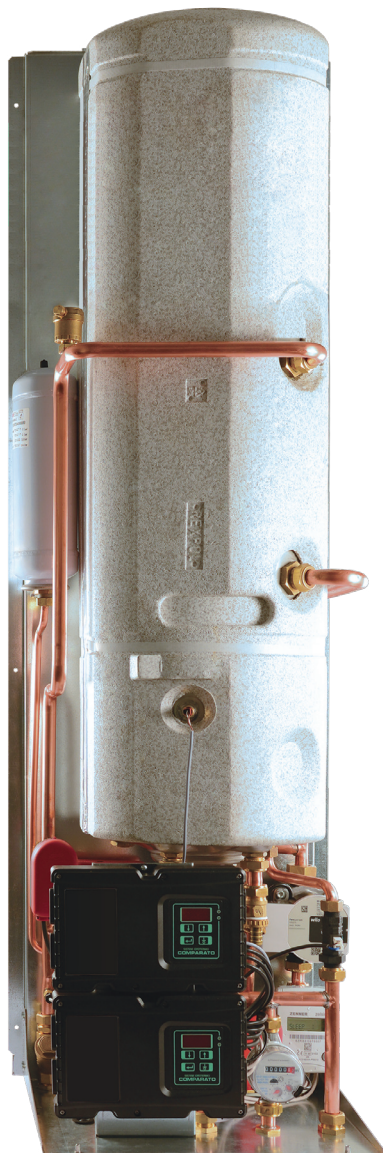
i



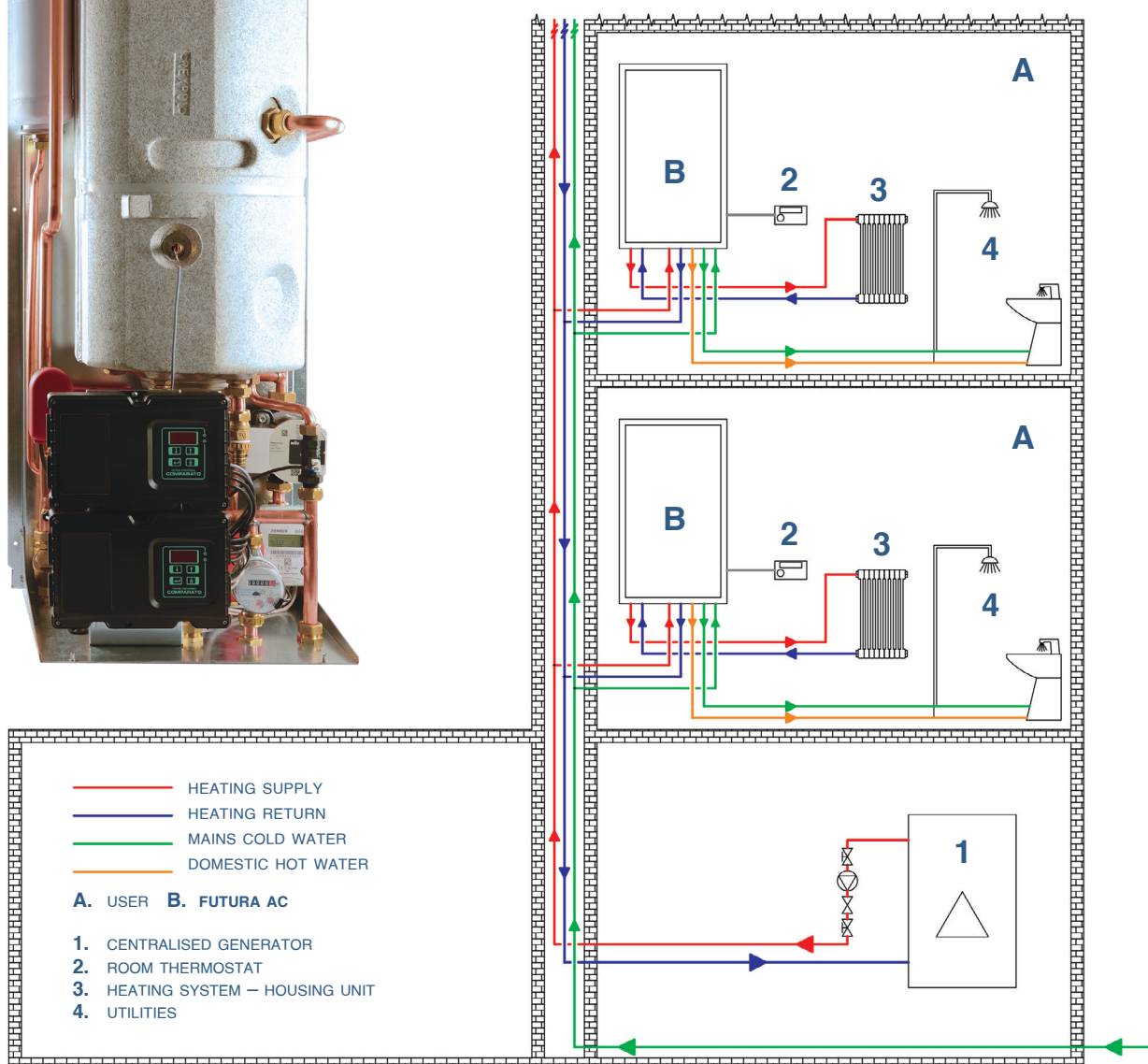


Heating and localised domestic hot water production with 50L or 70L accumulative exchanger

HIU for management and direct metering centralised heating systems **WITH DHW TANK** for the localised production of domestic hot water. Direct metering and heating and cooling system management, domestic hot and cold water lines.



EXAMPLE OF USE



Futura AC 50



TABLE for code configuration

0	FUTURA AC • 50 litre	€
FAC	direct heating line and localised DHW production with 50-litre accumulation with energy meter stub piece (G3/4"x110mm)	2.932,00
1	SANITARY WATER METER	€
0	not request	00,00
T	replacement stub piece	16,00
2	MIXER ON DHW OUTLET	€
0	not requested	000,00
M	thermostatic	124,30
3	PLANT PUMP	€
0	not requested	000,00
P	pump on primary circuit	278,70
4	HEATING OUTLET	€
HTN	high temperature	000,00
BTN *	low temperature	339,30
HBN *	high temperature + low temperature	499,50

* low temperature outlets are equipped with a pump

Accessories

CODE	DESCRIPTION	€
RFSNDAE	external temperature probe for weather compensation - low temperature heating outlet	64,40

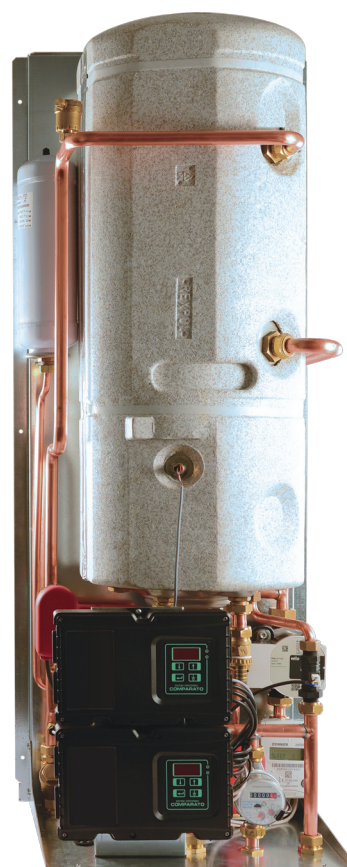
MECHANICAL ENERGY METER

CODE	DESCRIPTION	€
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h with M-Bus reading	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h with M-Bus reading	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h with Wireless M-Bus	576,00

METERS FOR DOMESTIC WATER

CODE	DESCRIPTION	€
CFCAFSI15	DCW meter Qn 2,5 m³/h with pulse outputs	66,60

CODE EXAMPLE				
0	1	2	3	4
FAC	T	M	0	HTN



Futura AC 70



TABLE for code configuration

0	FUTURA AC 70 • 70 litre	€
FAC70	direct heating line and localised DHW production with 70-litre accumulation with energy meter stub piece (G3/4"x110mm).	3.902,00
1	SANITARY WATER METER	€
0	not request	00,00
T	replacement stub piece	16,00
2	MIXER ON DHW OUTLET	€
0	not request	000,00
M	thermostatic	124,30
3	PLANT PUMP	€
0	not request	000,00
P	pump on primary circuit	278,70
4	HEATING OUTLET	€
HTN	high temperature	000,00
BTN *	low temperature	339,30
HBN *	high temperature + low temperature	499,50

* low temperature outlets are equipped with a pump

Accessories

Add the numbers and/or letters listed in the "ID" column corresponding to the selected accessories at the end of the base model code, and add the amounts shown in the "€" column to its price.

ELECTRICAL RESISTANCE

ID	DESCRIPTION	€
R	1500W electric heating element for DHW boiler	182,00

CODE	DESCRIPTION	€
RFSONDAE	external temperature probe for weather compensation - low temperature heating outlet	64,40

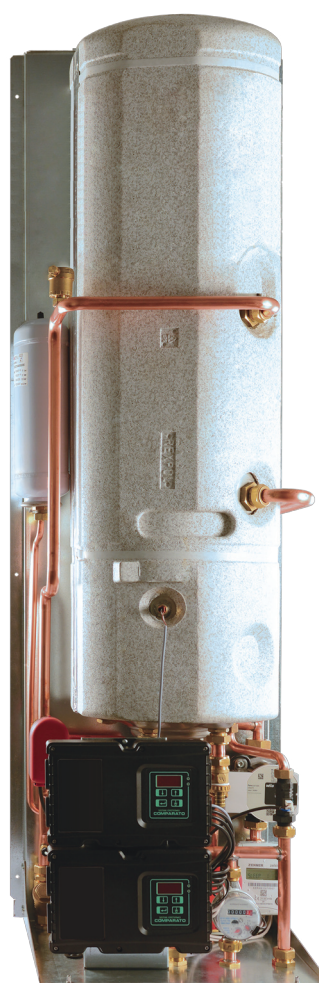
MECHANICAL ENERGY METER

CODE	DESCRIPTION	€
CFCENM34B	mechanical hot/cold energy meter DN15 Qp 1,5 m³/h with M-Bus reading	409,80
CFCENU34B	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h with M-Bus reading	514,60
CFCENU34BW	ultrasonic hot/cold energy meter DN15 Qp 1,5 m³/h with Wireless M-Bus	576,00

METERS FOR DOMESTIC WATER

CODE	DESCRIPTION	€
CFCAFSI15	DCW meter Qn 2,5 m³/h with pulse outputs	66,60

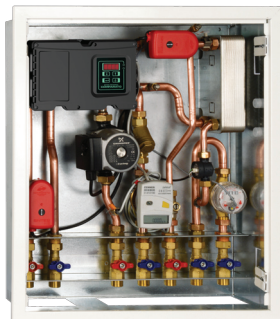
CODE EXAMPLE				
0	1	2	3	4
FAC70	T	M	0	HTN



Custom-made projects • QUOTATION ON REQUEST

Diatech L

- METERING, HEATING AND PRODUCTION OF DOMESTIC HOT WATER LINE CONNECTIONS



DIATECH L is a Hydraulic Interface Unit for direct metering and management in centralised heating plants with instant production of DHW inside the unit with plated heat exchanger. Built-into-wall installation with template box, in-line connection on the inferior side of the unit, both to the centralised plant and to the apartment. **DIATECH L** can be used with pre-heated water from a solar thermal panels supplying instantaneously the required energy.

Bitherm

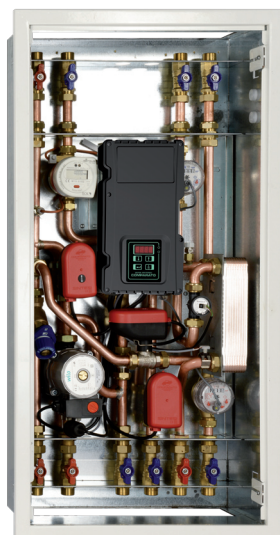
- METERING, DHW INSTANT PRODUCTION AND COMPLETE HYDRAULIC SEPARATION ON HEATING CIRCUIT WITH TEMPERATURE CONTROL



BITHERM is a unit with direct metering and management for centralised heating plants with DHW instant production inside the unit itself with plated exchangers, circulation pump (optional) on sanitary circuit is possible. Living unit heating circuit is supplied with the complete hydraulic separation with plate exchanger with the possibility of temperature control (i.g. for radiant panels). Secondary circuit is provided with filling system, pressure gauge, expansion vessel, safety valve and pump. **BITHERM** can be also used as district heating sub-centre in case for instance of one-family or terraced houses. The installation is wall hanging with centralised plant connections on top and living unit ones on bottom. The supply includes cover and door with customised key.

Diatech BT

- METERING, HIGH AND LOW TEMPERATURE HEATING AND DHW PRODUCTION



DIATECH BT is a Hydraulic Interface Unit for direct metering and management in centralised heating systems operating at both high and low temperatures, with instantaneous domestic hot water production inside the module itself via a plate heat exchanger. The unit is designed for recessed installation with a template box; system connections are positioned opposite each other: upper connections for the centralised system and lower connections for the housing unit. **DIATECH BT** is available in different power ratings for DHW production.

Custom-made projects • QUOTATION ON REQUEST

Diatech SR

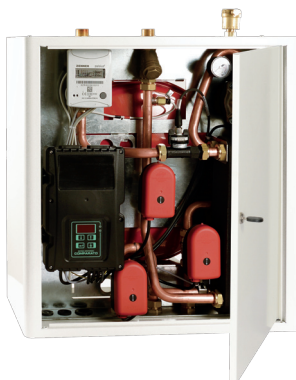
- METERING, HEATING, COOLING AND DHW PRODUCTION



DIATECH SR is a Hydraulic Interface Unit for direct metering and management in heating and cooling centralised plant with DHW instant production with a plated heat exchanger. Built-into-wall installation with template box, opposite connection to the plant: superior side to centralised system and inferior side to apartment. **DIATECH SR** can be used with pre-heated water from a solar thermal panels supplying instantaneously the required energy.

Dual System

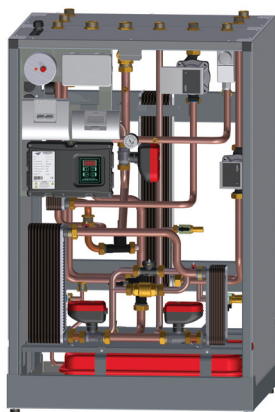
- METERING, EXTERNAL DHW BOILER SUPPLY, AND COMPLETE HYDRAULIC SEPARATION ON THE HEATING CIRCUIT



DUAL SYSTEM is a Hydraulic Interface Unit for direct metering and management in centralised heating systems, with domestic hot water production via an external boiler and complete hydraulic separation of the apartment's heating system thanks to the plate heat exchanger. **DUAL SYSTEM** controls the delivery temperature to the heating system (e.g., for radiant panels), and the secondary circuit is equipped with a filling system, pressure gauge, expansion tank, safety valve, and pump. The installation is wall-mounted, and the supply includes the casing with a door, complete with a customised lock.

Dual stage combined

- METERING, HIGH INSTANTANEOUS DOMESTIC HOT WATER PRODUCTION, COMPLETE HYDRAULIC SEPARATION ON THE HEATING CIRCUIT AND COOLING CIRCUIT



DUAL STAGE COMBINED is a Hydraulic Interface Unit for direct metering and management with a floor-mounted installation, designed to serve high-end apartments. It provides large volumes of domestic hot water (up to 150 kW) with dual-stage instantaneous production and high power for heating and cooling, with hydraulic separation through plate heat exchangers.

Custom-made projects • QUOTATION ON REQUEST

Lowtherm

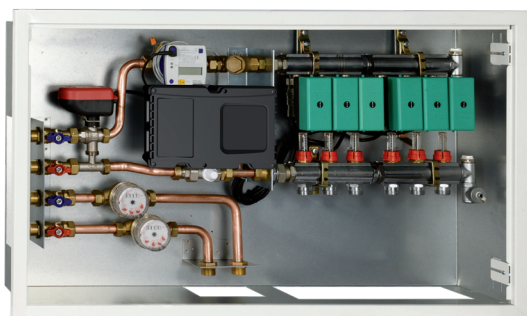
- METERING, HIGH AND LOW TEMPERATURE HEATING PLANT WITH DOMESTIC HOT AND /OR COLD LINE



LOWTHERM is an Interface Unit for the direct metering and for the management of heating and cooling plants in high and low temperature, characterised by domestic hot water production. Built-into-the-wall installation with template, opposed hydraulic connection (centralised plant side – superior, living unit side – inferior).

Conter D

- METERING, HEATING WITH DISTRIBUTION MANIFOLDS AND HOT AND COLD WATER LINES

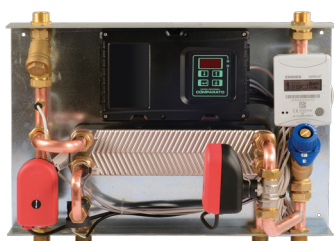
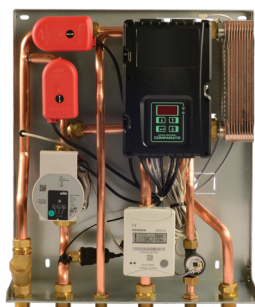


CONTER D is an Interface Unit for the direct metering and for the management of heating and cooling plants with centralised domestic hot water production, with manifolds included. Built-into-the-wall installation. Opposed hydraulic connection (centralised plant side – superior, living unit side – inferior). **CONTER D** is supplied with Sintesi Zone Valves, and can be integrated with a thermostatic mixer for domestic water and motorised zone valves Microdiam on manifold.

PLUG&PLAY

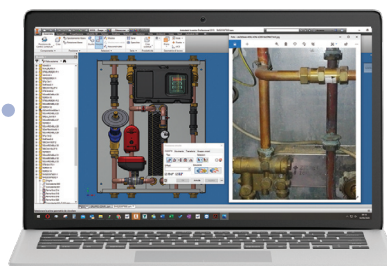
Plug&Play • for IMMEDIATE REPLACEMENTS

- CENTRALISED HEATING/COOLING SYSTEMS WITH DIRECT ENERGY METERING, WITH OR WITHOUT DOMESTIC HOT WATER PRODUCTION



In addition to standard production, Comparato designs and manufactures Hydraulic Interface Units (HIUs) for direct metering according to the specific requests of the customer in terms of functionality and dimensions. This service allows for the provision of HIUs that are fully interchangeable with existing ones, enabling fast installation without the need for plumbing and masonry work, even for small quantities and in cases where the original product is not Comparato.

The Technical Department is supported by highly specialised professionals who follow the project from the earliest stages, providing advanced consulting with high added value. The process begins with the receipt of a request that can come from a distributor, a Comparato agent, a thermotechnical designer, a property manager, or even an apartment owner.



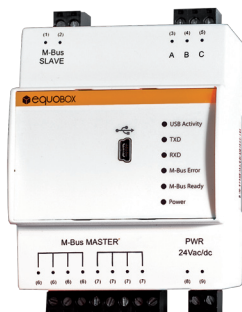
The subsequent feasibility analysis involves gathering all the technical information about the system, which is useful for creating the new satellite module that is not only interchangeable but also more efficient and with better performance than the existing one. If necessary, Comparato technicians carry out an on-site inspection, consulting with the installer to find the best solutions.

Thanks to 3D design, full dimensional compatibility with the existing system is always guaranteed, without any unpleasant surprises during installation. Additionally, Comparato HIUs are designed with ease of disassembly and reassembly of all components in mind, and they stand out for their simplicity and quick maintenance. All components and materials used today are the result of years of selection, ensuring maximum reliability and long-lasting durability.

Once the material is shipped, the work doesn't stop: the commissioning of the new HIUs is a crucial operation to achieve the best results, and once again, Comparato provides highly qualified support and assistance.

Accessories

LEVEL CONVERTER 60 SIGNALS • WIRED M-Bus



M-Bus level converter for managing up to 60 devices. Stand-alone field module for data acquisition from M-Bus meters to a PC via USB connection. M-Bus slave interface for use as a repeater to extend the M-Bus network by an additional 60 devices.

Power supply: 24V AC/DC, maximum power consumption: 7W.

CODE	DESCRIPTION	€
MBUSLC1	Level converter, 60 devices	934,30

LEVEL CONVERTER 250 SIGNALS • WIRED M-Bus

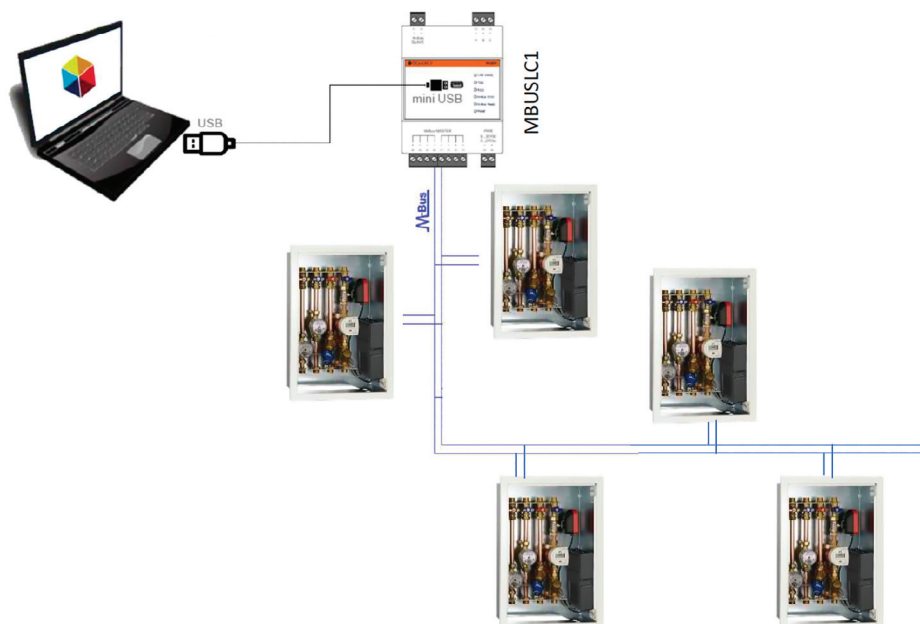


M-Bus Level Converter for managing up to 250 devices. Stand-alone field module for reading data from M-Bus meters via RS232 or RS485 ports (exclusive use). M-Bus slave interface for use as a repeater to extend the M-Bus network by an additional 250 devices.

Power supply: 230V AC (power supply included).

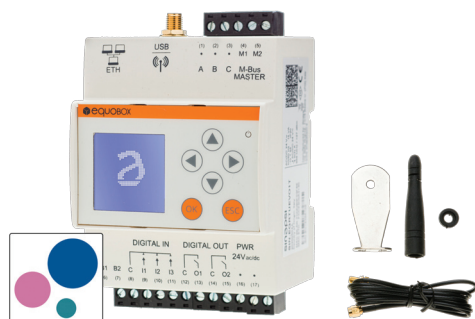
CODE	DESCRIPTION	€
MBUSLC250	Level converter, 250 devices	1.481,30

EXAMPLE OF USE – WIRED M-BUS



Accessories

DATA LOGGER 20 SIGNALS • WIRED / WIRELESS M-Bus



M-Bus datalogger for managing up to 20 wired devices and 2,500 wireless M-Bus devices with Multi-Hop functionality via concentrators. Data reading via WEB interface. Integrated display for setup and data reading, expandable up to 250 meters through level converter modules. Power supply: 24V AC/DC, maximum consumption 14.5W..

CODE	DESCRIPTION	€
MBWRTUEVO2T	Datalogger M-Bus Wired / Wireless	1.871,00

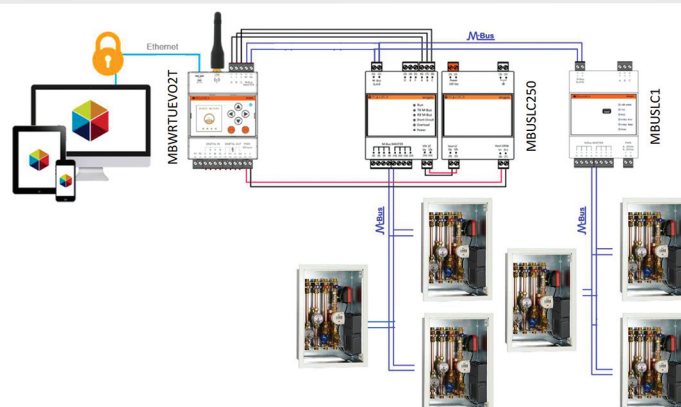
MULTI-HOP CONCENTRATOR • WIRELESS M-Bus



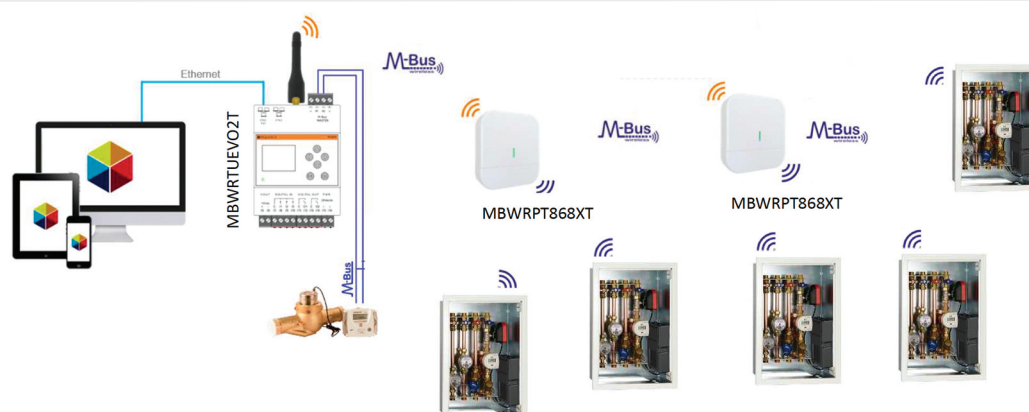
Multi-Hop support that enables range extension between wireless M-Bus devices and the data logger using Mesh Network technology. Supports up to 500 devices. Wall-mounted installation. Power supply: 230V 50 Hz.

CODE	DESCRIPTION	€
MBWRPT868XT	Wireless M-Bus Multi-Hop Support	687,40

EXAMPLE OF USE – WIRED M-BUS



EXAMPLE OF USE – M-BUS WIRELESS



Accessories

SMART GATEWAY CONCENTRATOR • WIRELESS M-Bus



Data concentrator that allows the acquisition of signals from wireless M-Bus devices, equipped with an integrated GPRS modem. It can manage up to 200 devices and various transmission frequencies (weekly, daily, hourly, every quarter-hour). Supplied with an integrated SIM card and one year of data traffic with weekly reports. The coverage range can be extended via unidirectional repeaters (MBWRPT).

Power supply: 230V 50Hz.

CODE	DESCRIPTION	€
MBWSG	Smart Gateway Wireless M-Bus 200 devices - weekly transmission	961,20

UNIDIRECTIONAL REPEATERS • WIRELESS M-Bus



Single-Hop unidirectional support. Wall-mounted installation.

Power supply: 230V 50Hz.

CODE	DESCRIPTION	€
MBWRPT	Single-Hop Wireless M-Bus Support	575,90

EXAMPLE OF USE – M-BUS WIRELESS



Accessories

Optional



Compact 4G router with Ethernet and Wireless interface. The device provides secure and stable Internet connectivity for applications using RutOS software and security functions such as OpenVPN, IPsec, Firewall, Hotspot, SMS control, and RMS support.

Power supply, GSM antenna, and Wi-Fi antenna included in the package.

Preconfigured with Vodafone APN.

CODE	DESCRIPTION	€
MBRUT240V	Preconfigured 4G Router with Vodafone APN	805,70



24V DC 12W DIN rail power supply (occupies one module) Iout = 500 mA

Note: Supports 1 Level converter + 1 RTU Datalogger.

CODE	DESCRIPTION	€
AL24VDC	Power supply	153,40

M-Bus Mechanical Energy Meters

- OTHER VERSIONS AVAILABLE UPON REQUEST



CODE	DN	Qp	TYPE	€
CMF00135B	25	3,5 m³/h	Hot / Cold M-bus reading	1.385,70
CMF01146B	32	6 m³/h	Hot / Cold M-bus reading	1.395,80
CMF11210B	40	10 m³/h	Hot / Cold M-bus reading	1.924,20
CMF05015B	50	15 m³/h	Hot / Cold M-bus reading	2.089,20

Accessories

Room thermostats



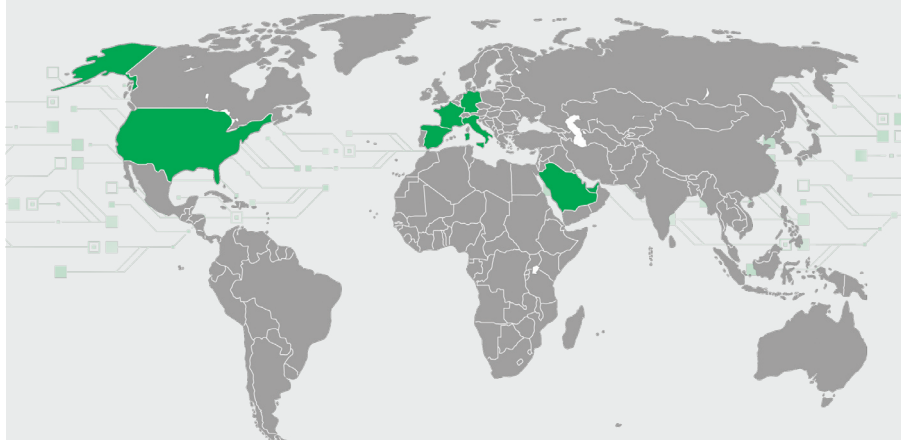
TRMPTC



TRMPWF

CODE	DESCRIPTION	€
TRMPTC	WHITE CRONO TOUCH-SLIDE wall mounted room thermostat	184,50
TRMPWF	Wi-Fi wall mounted room thermostat	340,00

EXHIBITIONS



General supply and sale conditions

- 1 All commissions, orders and sales are subject to approval by the head offices in Cairo Montenotte (SV).
- 2 Goods are supplied EX WORKS and travel at the buyer's own risk, even if sold carriage-free.
Complaints concerning damages during the transport must be laid at the delivery.
- 3 Warranty refers to the product and it does not cover in any way replacement / maintenance costs and /or any other indirect cost.
- 4 Products are insured by Allianz S.p.A. Company according to effective rules on the subject of Producer responsibility for any damage arising from defective products.
- 5 In case of returned goods, they must always be previously authorised by the Headquarter in Cairo Montenotte (SV) and must be sent back free of charge. All verified goods that turn out to be "out of warranty" and all "returned goods for refund" will be charged of all costs including product's test, check and packaging. Due to the warranty printed on the product, all returned goods for refund must be sent back within the same financial year in which they were invoiced.
- 6 Any complaint concerning the quantity or quality of goods will not be accepted after 8 days from their receipt.
- 7 The specifically agreed delivery terms are indicative and may vary due to circumstances beyond our control.
- 8 This price catalogue cancels the previous ones; the indicated prices may be subject to variations without any notice except for what already stated in the order confirmation.
- 9 The current Vat rate will be applied to the quoted prices.
- 10 Standard packaging with cardboard boxes or similar is free of charge; special packaging requested by Clients will be invoiced at cost.
- 11 In case of any controversy concerning the application, interpretation or execution of our orders or relative to them, the court of jurisdiction will be that of Savona.
- 12 All the conditions indicated in this price list, even if not specifically stated in the order or invoice, will be considered as having been accepted by the Client when completing the relative order.
- 13 Comparato Nello S.r.l. reserves the right to modify technical details, drawings, graphs, and photographs of this price list at any time and without prior notice. Images and pictures are for illustration purposes only and are not contractually binding.
- 14 Goods are dispatched in accordance with the general sale conditions as specified in this price list. Any clause in the general sales conditions of the buyer is valid only if confirmed in writing by Comparato Nello S.r.l.

General supply conditions • Hydraulic Interface Units

We thank you for your choice : you selected a product that is the result of studies, researches and long- time experience in hydrothermal plant design. In order to let you fully benefit of our product performances, we invite you to carefully read the Maintenance & Operational Handbook supplied with the unit and warranty conditions.

WARRANTY CONDITIONS FOR UNITS WITH HEAT METERING DEVICES

The warranty becomes effect from start-up test date and lasts 24 months.

The start-up test must be carried out by our Authorized Maintenance and Service Centre within 12 months starting from delivery date indicated on warranty certificate. Unit activation ,in general, and in particular:

- electrical supply • electrical supply of M-bus digital master (if provided) • hydraulic primary and secondary circuit

must be activated at start-up test, except in case of different agreements with our Authorized Maintenance and Service Centre and anyway, in this case, we do not respond for damages produced before start-up test.

The Installer, on final Customer's behalf, has to demand for the start-up test to our Authorized Maintenance and Service Centre and arrange the plant in general and that all installed units are indeed available for start-up test on the established date: possible further intervention of Authorized Maintenance and Service Centre caused by the impossibility of completing the start-up test will be charged to the Installer by Authorized Maintenance and Service Centre itself. For the start-up test one day only is expected for up to 50 unit installation. We replace components that will be returned to us and that will be found to be originally defective after checking. Never is the whole product replaced. Possible component replacements do not modify warranty validity nor its duration. In no event shall Comparato Nello S.r.l. be responsible for damages to people, animals or things caused by defective materials or improper installations not compliant with what expressed in M&O hand-book.

For information please contact our Authorized Maintenance and Service Centre only.

WARRANTY CONDITIONS FOR UNIT AND KIT WITHOUT HEAT METERING

Units and kit with no heat metering devices do not required the start-up test.

The warranty start for purchase date and lasts 24 months.

For any information please contact our Offices.

EXCLUSIONS

This warranty does not provide any coverage for damaged components due to bad transport, wrong installation and/or maintenance and, in general, to problems caused by in-observance of Builder indications, anomalies in electrical and hydraulic plant the unit is connected to, stray currents, excessive water hardness (over 20° French degrees), ice, on-going water addition and, generally speaking, for causes that cannot be traced back to production defects.

EXCLUSIONS

This warranty does not provide any coverage for damaged components due to bad transport, wrong installation and/or maintenance and, in general, to problems caused by in-observance of Builder indications, anomalies in electrical and hydraulic plant the unit is connected to, stray currents, excessive water hardness (over 20° French degrees), ice, on-going water addition and, generally speaking, for causes that cannot be traced back to production defects.

ADVANCED WARRANTY EXPIRATION

The warranty is not valid when:

- The start-up test, that must be carried out by our Authorized Maintenance and Service Centre, has not been carried out within 12 months from delivery date;
- On the start-up test date , the product results to be already operative (see what indicated for warranty conditions) without any formal agreements with our Authorized Maintenance and Service Centre;
- The product is not properly installed, neither in compliance with Laws and/or effective rules nor with Producer's Instructions;
- The product has been tampered or not original spare parts have been used;
- The warranty certificate is incomplete and/ or filled in improperly and/or it has not been sent back to Comparato Nello S.r.l.

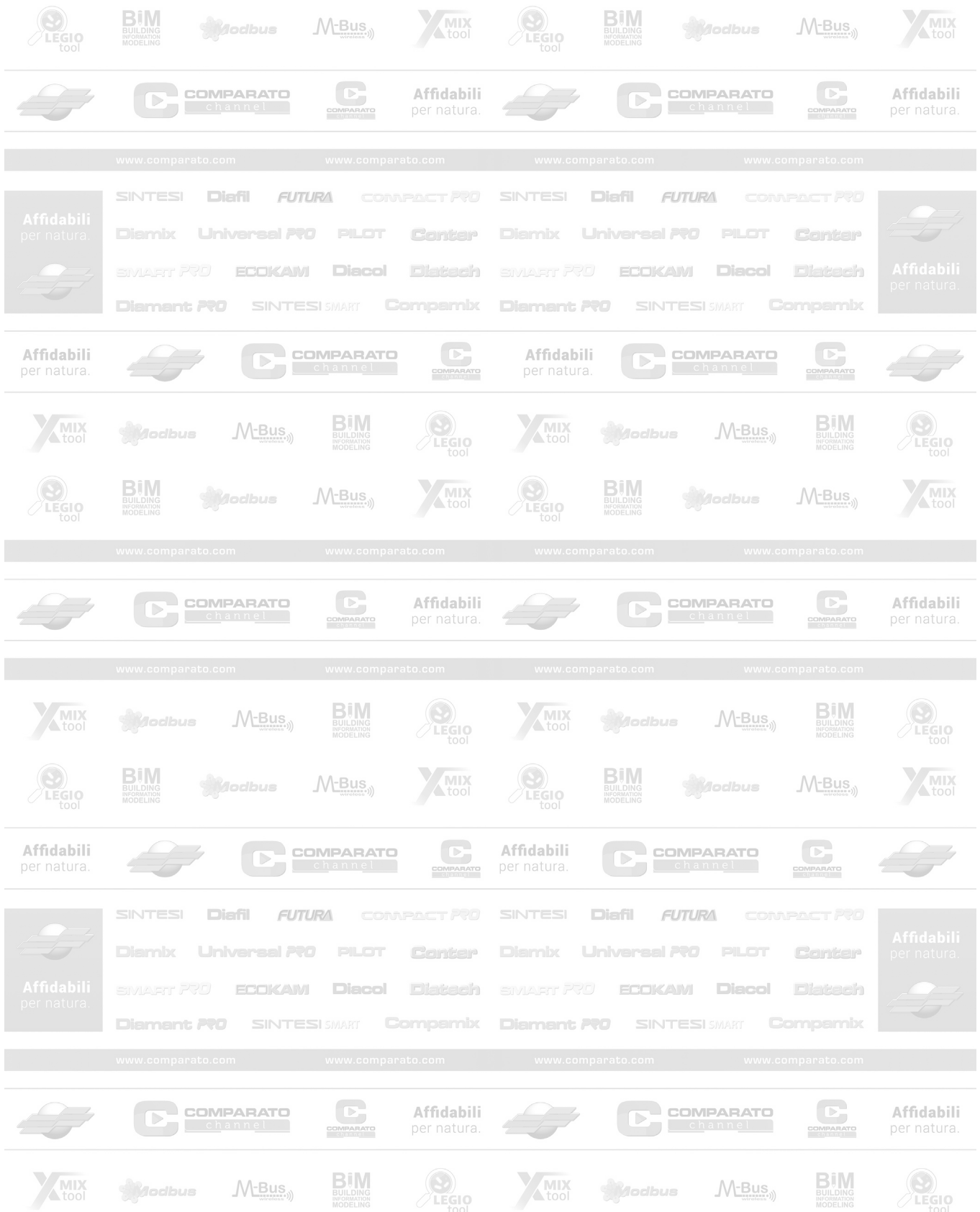
RESPONSIBILITIES

Except for what already clearly stated, Comparato Nello S.r.l. is not responsible for product installation and any possible damage deriving from it, service interruption included. The installation must be carried out in compliance with effective rule, according to Builder's instructions and qualified subjects (Lg. 5 March 1990 No. 45 art.2). Nobody has the faculty to change these warranty conditions nor giving other written and/or verbal warranties.

ADVANCED WARRANTY EXPIRATION

- Arrange for start-up test to be carried out by our Authorized Maintenance and Service Centre according to what previously indicated (see warranty conditions);
- Warranty certificate must be filled in all parts;
- The User has to keep his coupon in order to exhibit it if necessary;
- Authorized Maintenance and Service Centre coupon must be filled in all parts and kept for future product identification;
- Comparato Nello S.r.l. coupon must be filled in by Authorized Maintenance and Service Centre and sent to the Company within 10 days after start-up test date.

Exclusively and absolutely competent court: Savona.



Reliable by nature.



Hydrothermal Systems

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