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Luxor is an important industrial reality, world wide and European market leader in the production of flexible hoses and components for hydro and thermo-sanitary installations. Luxor has been the expression of the most prestigious made in Italy and the great Italian high technology mechanical workings tradition for fifty years; a quality certified and recognized by the most prestigious International Certification Institutes all over the world.

Our mission is the complete customer satisfaction through a process of continuous technological research in order to make high quality, reliable products, anticipating the market evolutions by innovative partnership with both customers and suppliers. Luxor mission takes

place in its own Research and Development Centre in which new and advanced technologies are constantly analyzed and researched with continuous investments to offer the most innovative and reliable solutions for the international markets at competitive costs, ensuring strict quality controls on each single piece.

Luxor entirely plans and realizes each product, thanks to its decennial know how. The great production strength, a "slender" innovative and advanced industrial organization together with a modern logistic conception, make Luxor able to satisfy every kind of request, even customized, with fast deliveries all over the world.



Luxor is certified
ISO 9001:2015
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certification body

CERTIFICATION



Please contact our offices for information about technical specifications and certified products or visit the website of the corresponding certification body for the latter.

Please refer to www.nsf.org for a complete list of NSF approved products.
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6 / MODULAR HYDRONIC SYSTEM

MODULAR HYDRONIC SYSTEM



The modular hydronic system consists of:

- a modular distribution manifold;
- pumping groups;
- fixed-points mixing and pumping groups;
- mixing and pumping groups with sliding temperature.

The modular hydronic system SIM 1208 is used in the distribution and operation of zone systems. It was developed to create several solutions aimed at simplifying and solving various installation issues. All components in contact with water are in brass or stainless steel and the gaskets in peroxide cured EPDM. The use of these metals prevents the bimetallic corrosion occurring with metals of different nobility.

The manifold can be connected to the boiler from any direction. In this way, it is possible to connect one or more energy sources at the same time, such as a boiler and a refrigeration group. The whole system can easily be assembled on site. The manifold is modular, so it can be composed with a number of elements according to the system requirements. Each module of the manifold can be assembled so as to have the connections to the groups both on the left or the right, thus being adaptable to the existing system.

Thermomanometers, air vent valves, water inlet/outlet valves, expansion vessels and safety groups can be installed on the free connections of the manifold.

Each pumping group can be installed either with left or right connections. Each mixing and pumping group is provided with thermometers to read the inlet and outlet temperature, a differential bypass valve for the pump installed on the groups and seats for regulation and reading probes. The mixing groups can be connected directly to the boiler (without manifold) and act as a pumping and mixing unit.

Mixing groups feature a 3-way piston mixing valve for fixed-point or sliding adjustment. The mixing valve is also equipped with two bypasses, one before and one after the mixing. Mixing groups are provided with a safety thermostat with immersion probe and housing.

The SIM 1208 can be installed in a metal cabinet and, if needed, hung to the wall through its brackets. All versions of the SIM 1208 are extremely compact.

It allows to install up to 5 G 1 1/4 groups in 700 mm of width, and up to 6 if the boiler is connected on one side. With the pumps placed horizontally, the depth of the system is only 100 mm.

TECHNICAL DATA

Maximum working pressure 6 bar
Maximum working temperature 80 °C
Mixing Kvs value 5,5 (recirculation) – 6.9 (primary exchange)

CONSTRUCTIVE FEATURES

Manifold

Brass manifold, material:
CB 753 S UNI EN 1982-2000 for faucets
Connection kit for modules, material:
CW614N UNI EN 12164:2016
Gasket, material:
Peroxide cured EPDM

Mixing unit

Flow meter, material:
Brass CB 753 S UNI EN 1982- 2000 for faucets
Gasket, material:
Peroxide cured EPDM
Brass parts of the screw, material:
CW614N UNI EN 12164:2016
Steel parts of the screw, material:
Stainless steel

Probe holder group

Brass manifold, material:
CB 753 S UNI EN 1982-2000 for faucets
Components material:
CW614N UNI EN 12164:2016
Max recommended flow to mixing valve 2.750 l/h
(Δp 0.25bar)
Thermometer range 0÷ 80 ° C

Thermometers

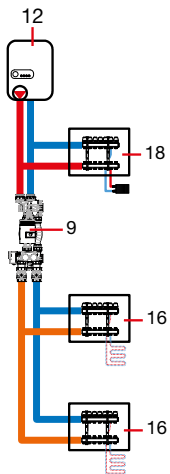
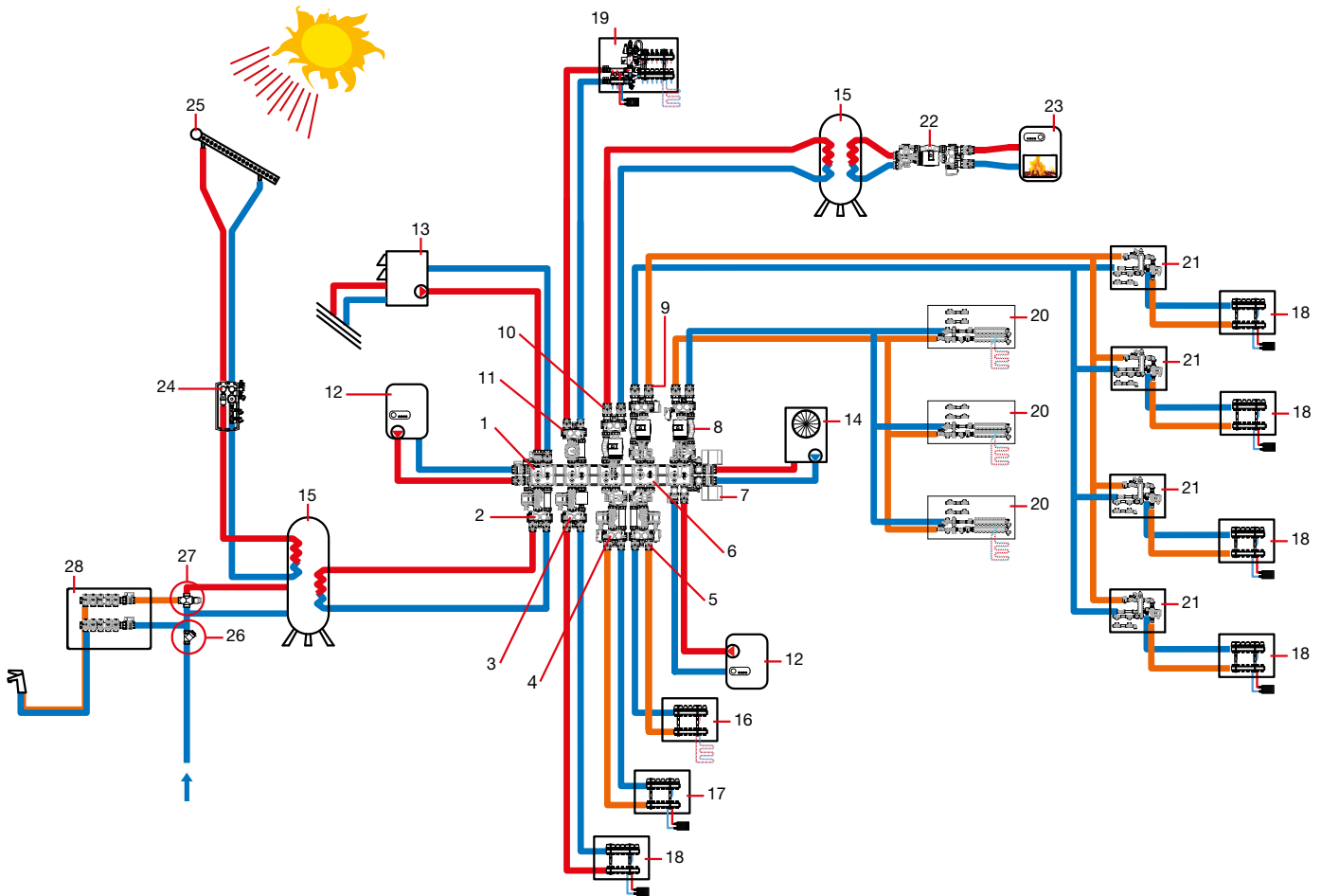
Thermometer case and stem in galvanized steel
Covering in transparent plastic material
Thermometric element bimetallic spring

Pumps

Wilo Yonos Para RS 25/6-130-FSM-RKA-12
Wilo Stratos Para 25/1-7-130 T3
Wilo Stratos Para 25/1-8-130 T3

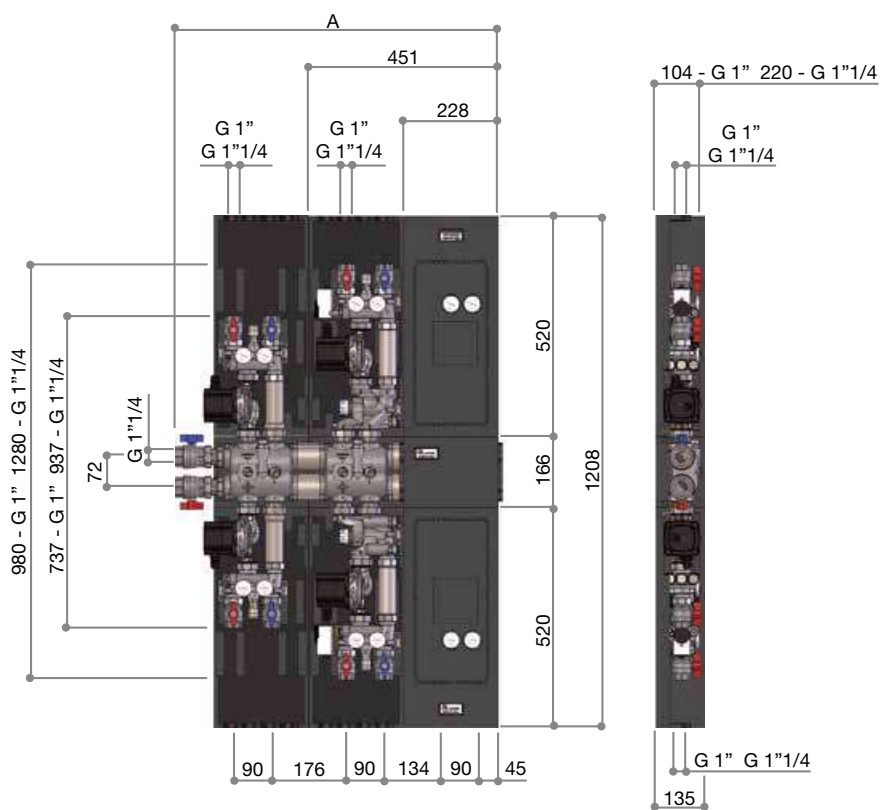
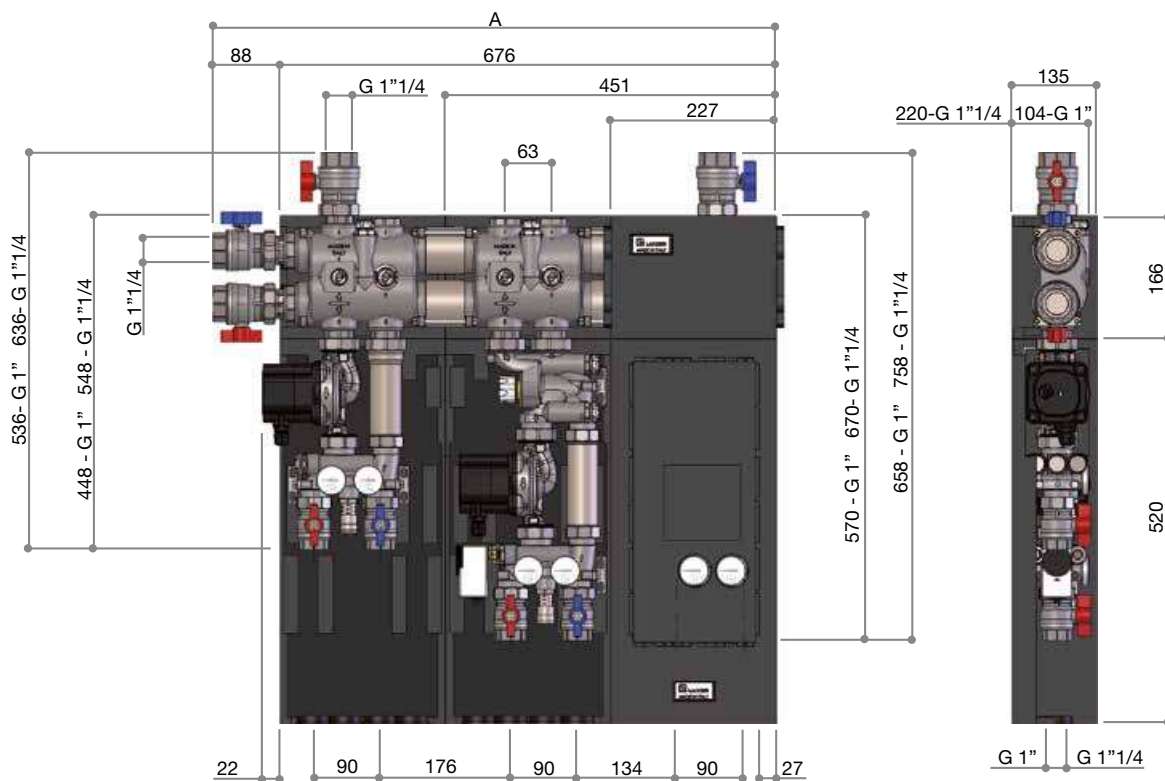
GALVANIC TREATMENTS

Nickel plating

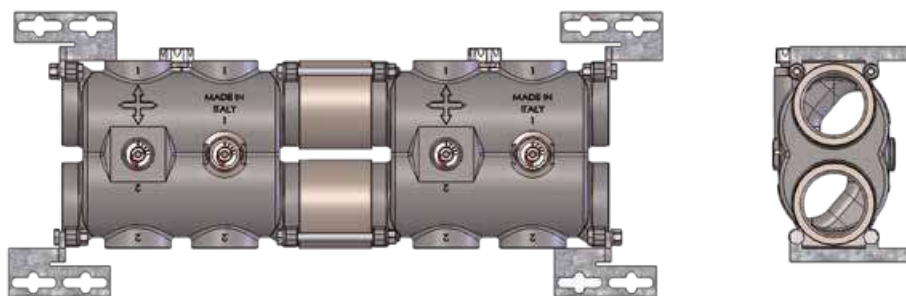


- | | | | |
|----|---|----|--|
| 1 | Manifold CD 1210 | 17 | Manifold CD 2468 for distribution in Fan coil system |
| 2 | Pumping unit G 1" GR 112-GR 1230 | 18 | Manifold CD 2468 for distribution in Fan coil system |
| 3 | Pumping unit G 1" GR 1220 - GR1230 with heat meter G 3/4 interaxis 110 mm | 19 | Complete pre-assembled distribution group for high temperature, fixed-point mixing and pumping |
| 4 | Mixing group G1" with left inlet GM 1260 - GM1270 | 20 | Pre-assembled group MC 5001 designed for heat and sanitary water metering, deviation valve and distribution manifolds. |
| 5 | Mixing group G1" with right inlet GM 1260 - GM1270 | 21 | Pre-assembled group MC 5003 designed for heat and sanitary water metering, hydraulic separator and pump |
| 6 | Manifold CD 1210 assembled backhand to invert the connection of the pumping/mixing unit (right inlet) | 22 | Mixing group G 1" 1/4 with fixed point for recirculation in solid fuel boilers |
| 7 | Zone Valve VZ 700 | 23 | Solid fuel boiler |
| 8 | Mixing group G 1" 1/4 installed with right inlet GM 1260 - GM 1270 | 24 | Circulation group for solar panels GSP 1180 |
| 9 | Mixing group G 1" 1/4 installed with left inlet GM 1260 - GM 1270 | 25 | Solar panel |
| 10 | Pumping unit G 1" 1/4 GR 1220 - GR 1230 | 26 | Filter RF 5008 |
| 11 | Pumping unit G 1" GR 1220 - GR 1230 | 27 | Sanitary mixing valve VM 660 |
| 12 | Boiler | 28 | Sanitary manifolds |
| 13 | Heat pump | | |
| 14 | Refrigeration group | | |
| 15 | Heater | | |
| 16 | Manifold CD 2468 for distribution in radiant panels system | | |

DIMENSIONAL DRAWING



MANIFOLDS



Modular manifold G 1 1/2, with connection for groups G 1 1/4 and balancing and by-pass valves

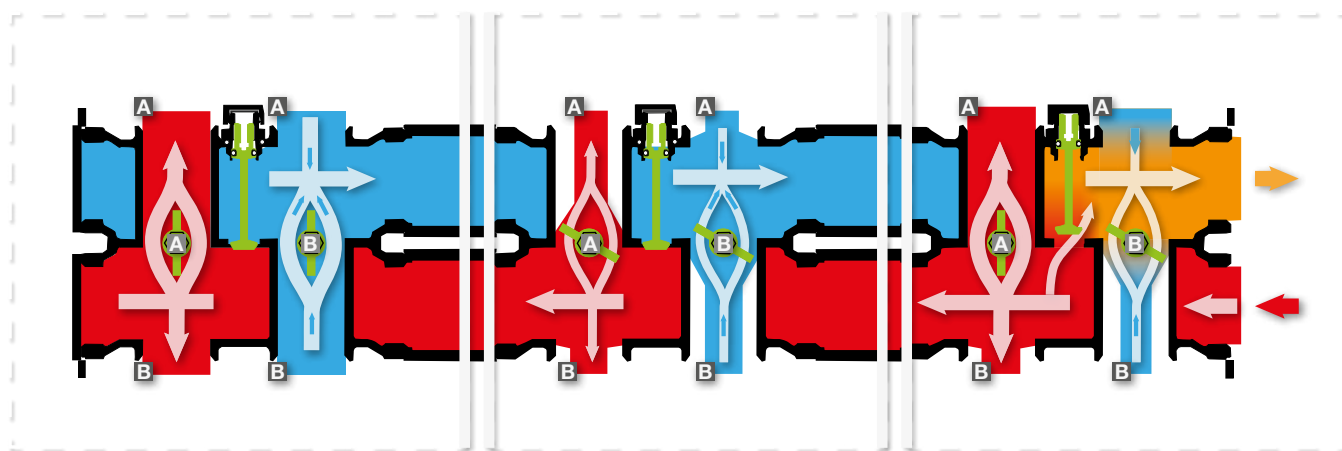
It can also act as a hydraulic separator by opening the by-pass installed on all modules.

Free inner passage \varnothing 45mm.

Connection to primary circuit G 1 1/2.

Connection to pumping and mixing groups G 1 1/4.

FLOW SCHEME



Manifold module with:

- A. Balancing valve all open
- B. Balancing valve all open

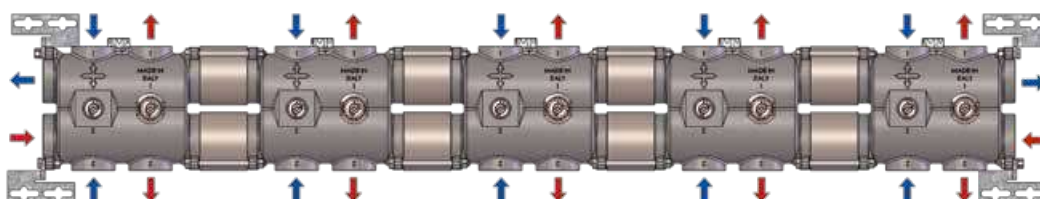
Manifold module with:

- A. Balancing valve partially open
- B. Balancing valve partially open

Manifold module with:

- A. Balancing valve all open
- B. Balancing valve partially open

HYDRAULIC CHARACTERISTICS OF MANIFOLD CD 1210



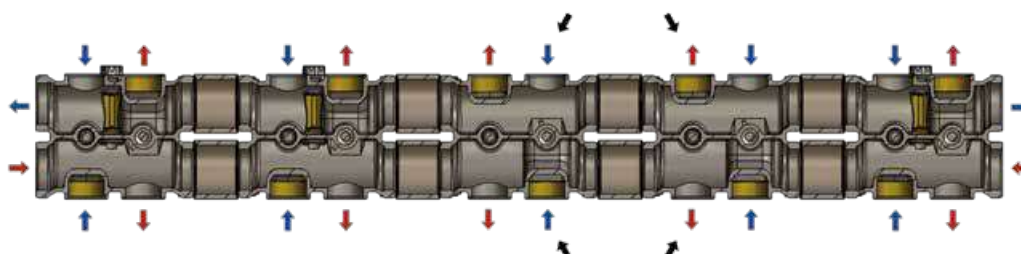
When the manifold CD 1210 is assembled in one direction only with the connections alternating on both sides of the manifold and main connection G 1 1/2, it works like a coplanar manifold.

If necessary, it can be assembled so as to reverse the outlets. In the following picture the third and fourth module are inverted.

The outlets can be reversed by rotating the module of the manifold of 180°.

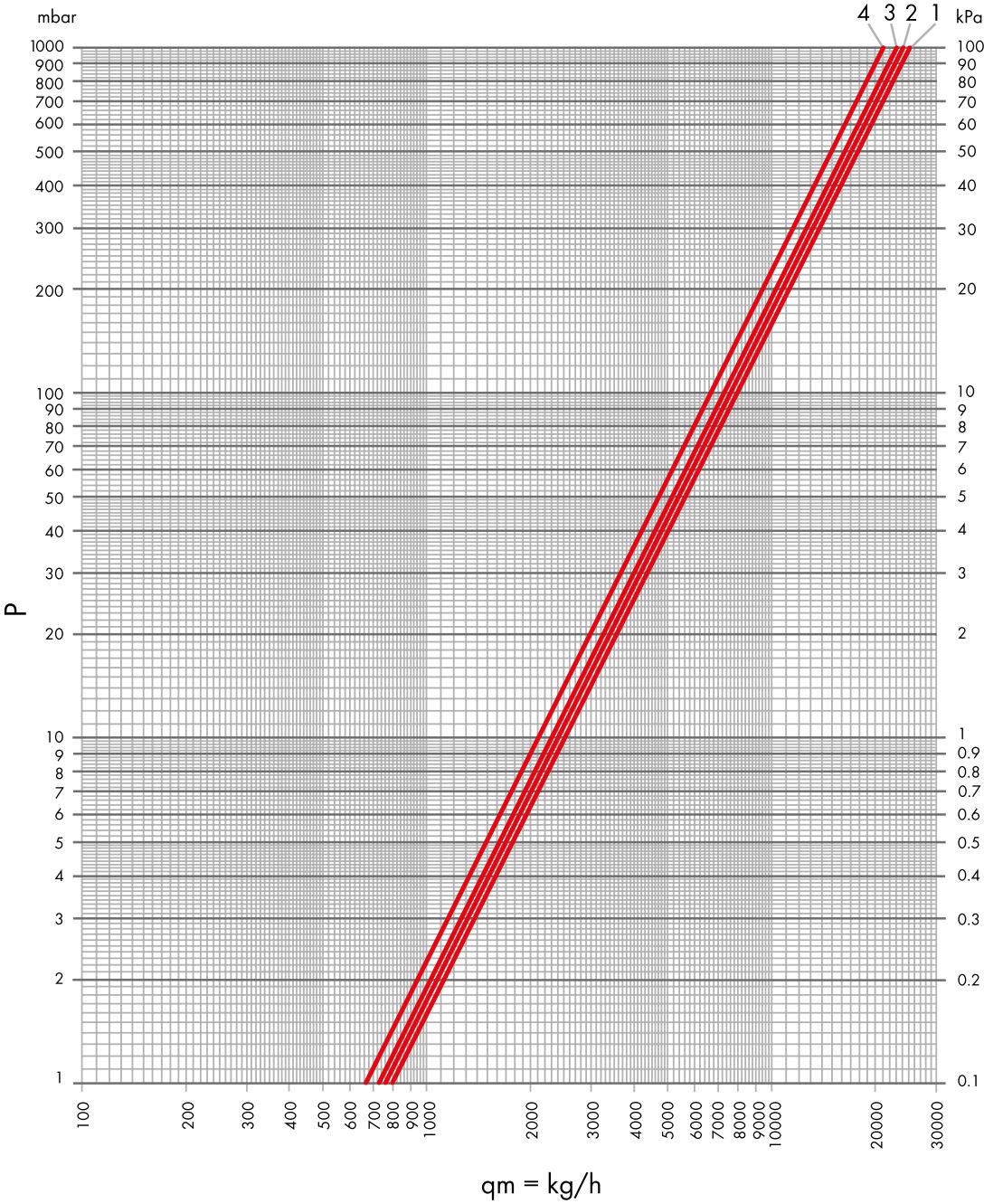
The head inlets on the manifold and all the modules will remain unchanged.

This is very convenient when it is necessary to adjust the manifold connections to the existing installations.





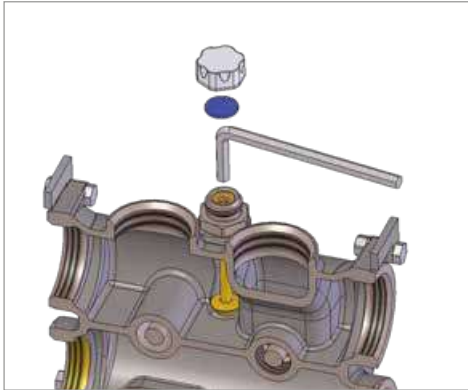
MANIFOLDS FLOW RATE CHART



Kvs	OUTLETS N°	POS
25	2	1
24	3	2
23	4	3
21	5	4

BALANCING VALVE AND BYPASS KV CHART

BYPASS



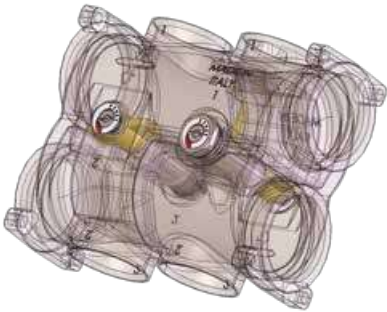
CLOSURE TURNS	Kv
1/4	0,17
1/2	0,51
1	1,27
1"1/2	1,87
2	2,55
2"1/2	3,05

CLOSURE TURNS	Kv
3	3,56
3"1/2	3,82
4	3,99
4"1/2	4,16
All open	4,33

The manifold can function as a hydraulic separator opening the bypass of each module.

It is a useful solution when there is more than one heat generator and/or primary circuit.

BALANCING VALVE



STEM INDEX POSITION	Kv
0	5,43
1	6,79
3	8,13
5	8,51
7	8,72

The regulation of the balancing valve is very handy (and in some cases essential) when a manifold supplies several groups.

The groups are all connected in parallel, when a group is disadvantaged, the balancing valves can correct the situation by balancing the circuits so as to assure the correct functioning of the system.

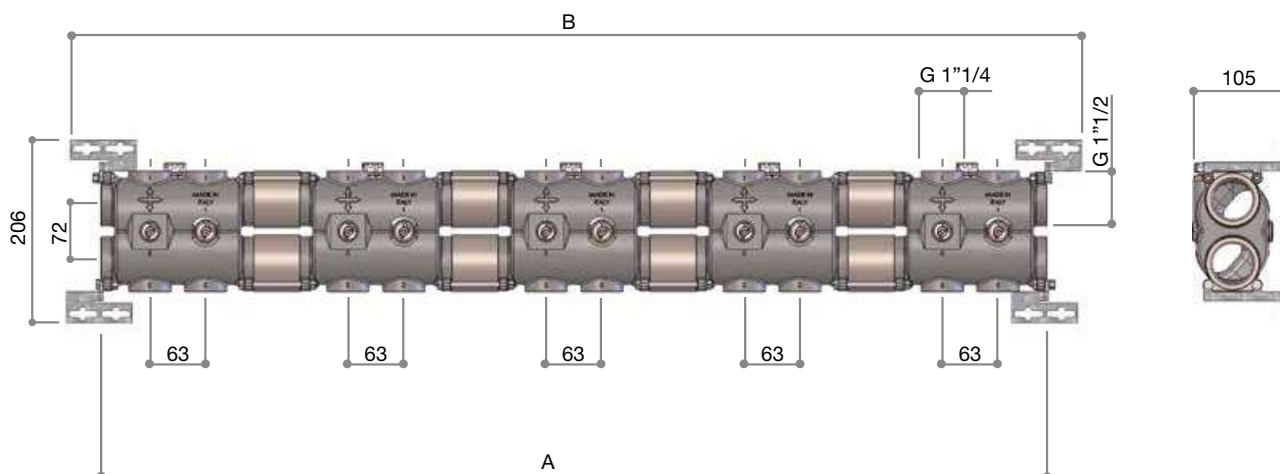
PLEASE NOTE

Each manifold module has two balancing valves.

The regulation of the valves can be made on both sides of the manifold.

Each valve regulates the Kv of a couple of connection G 1"1/4. The corresponding valves and connection are identified by the numbers "1" and "2".

MODULAR MANIFOLD DIMENSIONAL DRAWING






CD 1210

CODE	CONNECTIONS	A	B	C	D	E	F	G	H	L	M	N	P	R
68744251	1+1	174	267	-	-	-	-	-	-	-	-	-	-	-
68744252	2+2	398	471	-	-	-	-	-	-	-	-	-	-	-
68744253	3+3	622	695	-	-	-	-	-	-	-	-	-	-	-
68744254	4+4	846	919	-	-	-	-	-	-	-	-	-	-	-
68744255	5+5	1070	1143	-	-	-	-	-	-	-	-	-	-	-



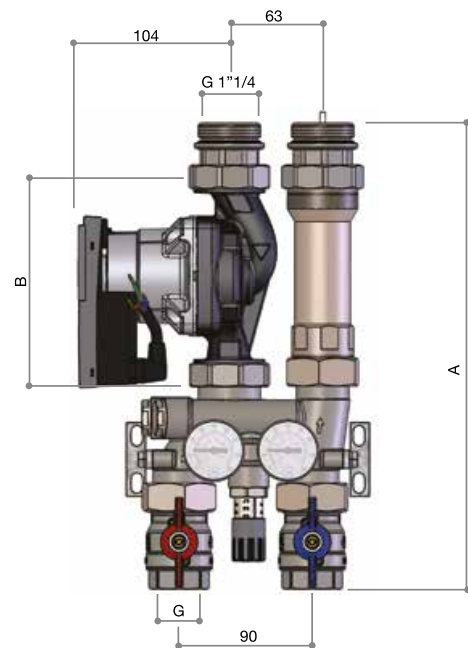
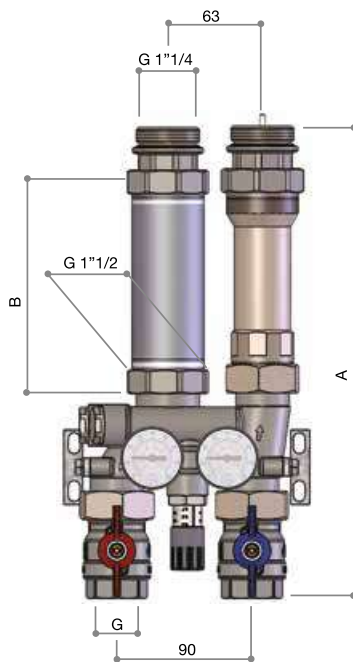
CD 1210

Modular distribution manifold G 1 1/2 with connection for groups G 1 1/4 and bypass, balancing valves. The bypass valves installed on all the modules can be opened and function as a hydraulic separator. Internal free passage \varnothing 45mm. (the CB version is insulated).

CODE	CONNECTIONS	SIZE			
68744251	1+1	G 1 1/2 x G 1 1/4	3,884	1	-
68744251CB	1+1		3,964	1	-
68744252	2+2		8,226	1	-
68744252CB	2+2		8,386	1	-
68744253	3+3		12,568	1	-
68744253CB	3+3		12,808	1	-
68744254	4+4		16,910	1	-
68744254CB	4+4		17,230	1	-
68744255	5+5		21,252	1	-
68744255CB	5+5		21,652	1	-

PUMPING GROUPS

DIMENSIONAL DRAWING



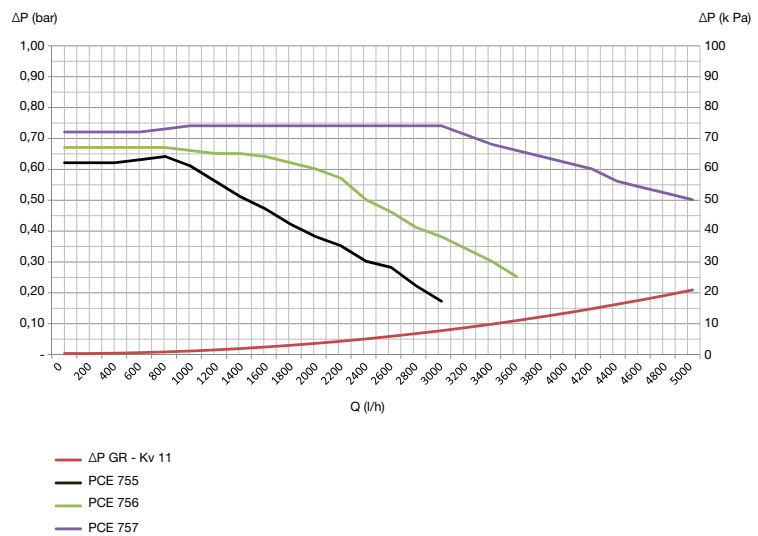
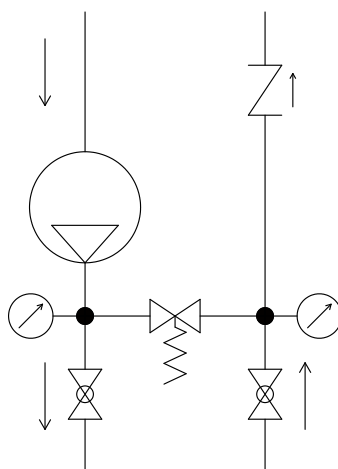
GR 1220

CODE	SIZE	A	B	C	D	E	F	G
68763400	G 1"	315	130	-	-	-	-	G 1"
68764200	G 1 1/4"	415	180	-	-	-	-	G 1 1/4"

GR 1230

CODE	SIZE	A	B	C	D	E	F	G
68763410	G 1"	315	130	-	-	-	-	G 1"
68764210	G 1 1/4"	415	180	-	-	-	-	G 1 1/4"

HYDRAULIC SCHEME



To avoid excessive noise in the system, do not use with ΔP value higher than 0,2-0,25 bar.

PUMPING GROUPS


**GR 1220**

Pumping group without pump.

Maximum recommended flow rate
3.000 l/h.

Each group is equipped with:

- thermometers to display the delivery and return temperature;
 - differential bypass valve;
 - check valve;
 - shut-off valves for circuits.
- (the CB version is insulated).

CODE	SIZE	INTERAXIS			
68763400	G 1"	130 mm	4,474	1	-
68763400CB	G 1"	130 mm	4,754	1	-
68764201	G 1"	180 mm	4,922	1	-
68764200	G 1"1/4	180 mm	5,474	1	-
68764200CB	G 1"1/4	180 mm	5,754	1	-




**GR 1230**

Pumping group with pump.

Maximum recommended flow rate
3.000 l/h.

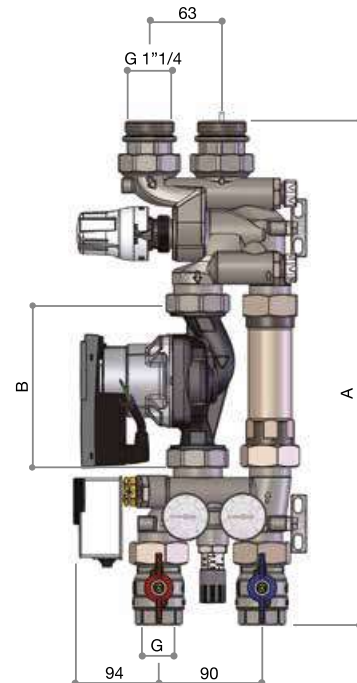
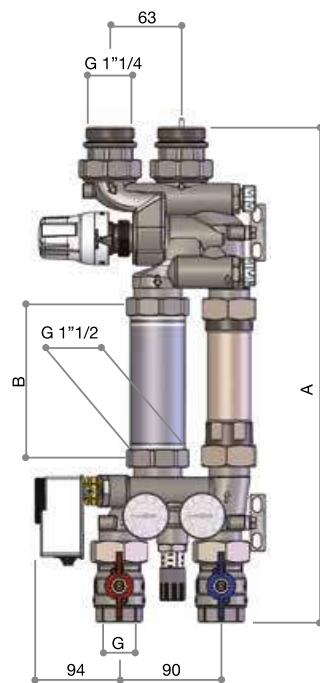
Each group is equipped with:

- thermometers to display the delivery and return temperature;
 - differential bypass valve;
 - check valve;
 - shut-off valves for circuits.
- (the CB version is insulated).

CODE	SIZE	INTERAXIS			
68763410	G 1"	130 mm	5,582	1	-
68763410CB	G 1"	130 mm	5,862	1	-
68764210	G 1"1/4	180 mm	8,092	1	-
68764210CB	G 1"1/4	180 mm	8,372	1	-

FIXED POINT GROUP

DIMENSIONAL DRAWING



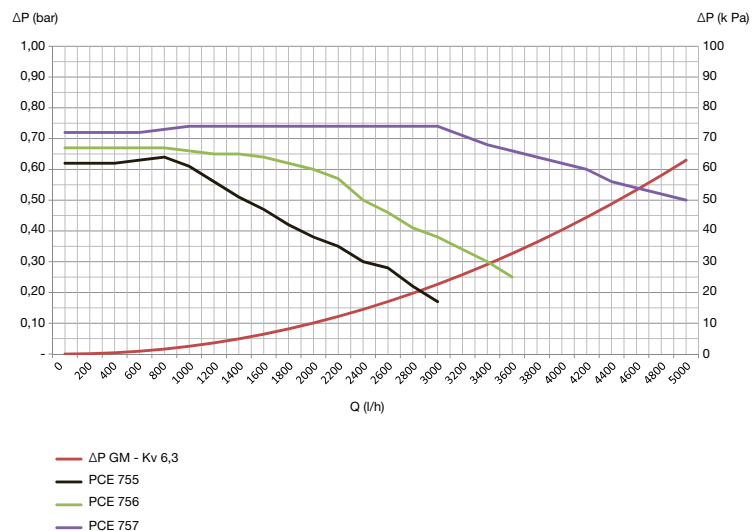
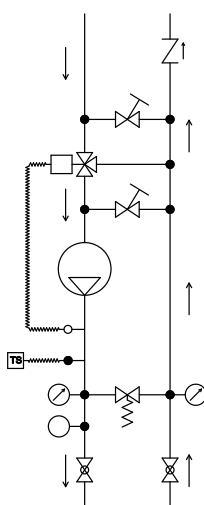
GM 1240

CODE	SIZE	A	B	C	D	E	F	G
68763420	G 1"	437	130	-	-	-	-	G 1"
68764220	G 1 1/4"	537	180	-	-	-	-	G 1 1/4"

GM 1250

CODE	SIZE	A	B	C	D	E	F	G
68763430	G 1"	437	130	-	-	-	-	G 1"
68764230	G 1 1/4"	537	180	-	-	-	-	G 1 1/4"

HYDRAULIC SCHEME



To avoid excessive noise in the system, do not use with ΔP value higher than 0,2-0,25 bar.




FIXED POINT GROUP

**GM 1240**

Fixed-point group without pump.
Maximum recommended flow rate
2.750 l/h.

Each group is equipped with:

- 3-way piston mixing valve;
- thermostatic head with regulation for fixed point;
- bypass valves for manual adjustment for the circuits before and after the mixing valve;
- thermometers to display the delivery and return temperature;
- bypass differential valve;
- check valve;
- shut-off valves for circuits.
(the CB version is insulated).




CODE	SIZE	INTERAXIS			
68763420	G 1"	130 mm	4,946	1	-
68763420CB	G 1"	130 mm	5,226	1	-
68764220	G 1 1/4	180 mm	5,827	1	-
68764220CB	G 1 1/4	180 mm	6,107	1	-

**GM 1250**

Fixed-point group with pump.
Maximum recommended flow rate
2.750 l/h.

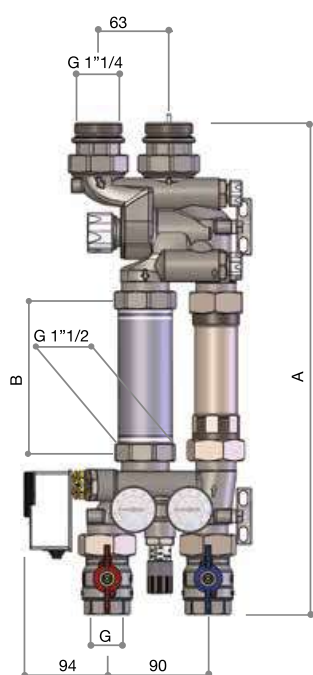
Each group is equipped with:

- 3-way piston mixing valve;
- thermostatic head with regulation for fixed point;
- bypass valves for manual adjustment for the circuits before and after the mixing valve;
- thermometers to display the delivery and return temperature;
- bypass differential valve;
- check valve;
- shut-off valves for circuits.
(the CB version is insulated).

CODE	SIZE	INTERAXIS			
68763430	G 1"	130 mm	6,054	1	-
68763430CB	G 1"	130 mm	6,334	1	-
68764230	G 1 1/4	180 mm	8,445	1	-
68764230CB	G 1 1/4	180 mm	8,725	1	-

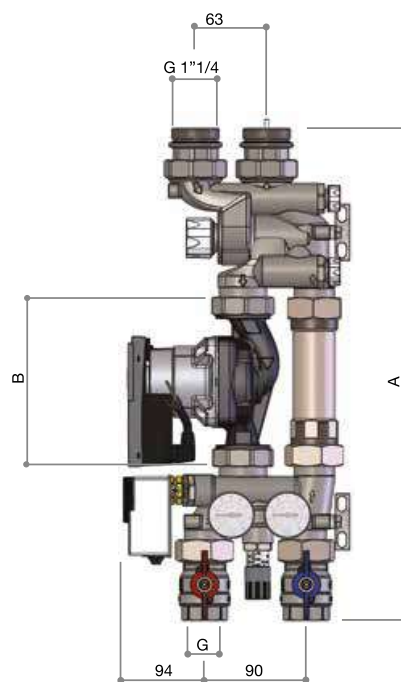
SLIDING POINT GROUP

DIMENSIONAL DRAWING



GM 1260

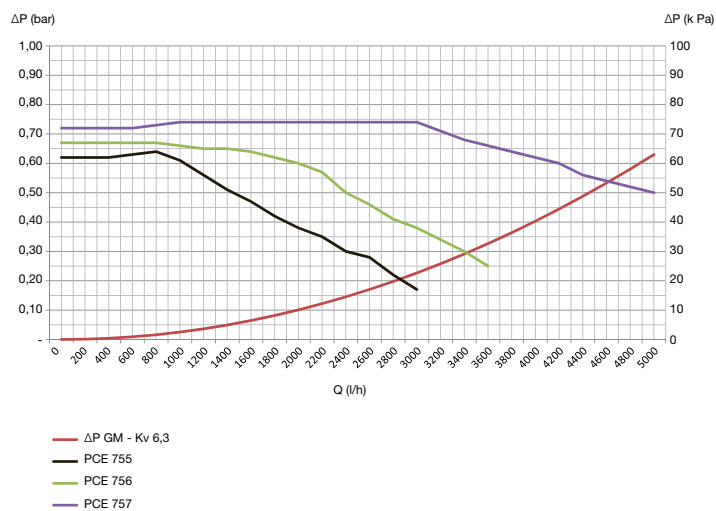
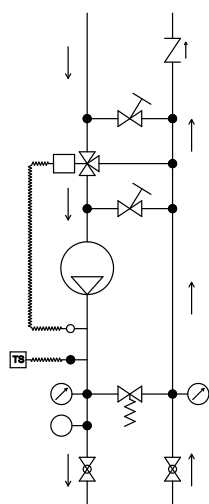
CODE	SIZE	A	B	C	D	E	F	G
68763440	G 1"	437	130	-	-	-	-	G 1"
68764240	G 1 1/4"	537	180	-	-	-	-	G 1 1/4"



GM 1270

CODE	SIZE	A	B	C	D	E	F	G
68763450	G 1"	437	130	-	-	-	-	G 1"
68764250	G 1 1/4"	537	180	-	-	-	-	G 1 1/4"

HYDRAULIC SCHEME



To avoid excessive noise in the system, do not use with ΔP value higher than 0,2-0,25 bar.

SLIDING POINT GROUP

**GM 1260**

Sliding-point group without pump.
Maximum recommended flow rate 2.750 l/h.

Each group is equipped with:

- 3-way piston mixing valve;
- possibility to install a 3-point or 0-10 V motor on a screw with standard connection M30x1,5 mm;
- bypass valves for manual adjustment for the circuits before and after the mixing valve;
- thermometers to display the delivery and return temperature;
- bypass differential valve;
- check valve;
- shut-off for circuits.

(the CB version is insulated)




CODE	SIZE	INTERAXIS			
68763440	G 1"	130 mm	4,800	1	-
68763440CB	G 1"	130 mm	5,080	1	-
68764241	G 1"	180 mm	5,129	1	-
68764240	G 1"1/4	180 mm	5,681	1	-
68764240CB	G 1"1/4	180 mm	5,961	1	-

**GM 1270**

Sliding-point group with pump.
Maximum recommended flow rate 2.750 l/h.

- Each group is equipped with:
- 3-way piston mixing valve;
- possibility to install a 3-point or 0-10 V motor on a screw with standard connection M30x1,5 mm;
- bypass valves for manual adjustment for the circuits before and after the mixing valve;
- thermometers to display the delivery and return temperature;
- bypass differential valve;
- check valve;
- shut-off for circuits.

(the CB version is insulated)

CODE	SIZE	INTERAXIS			
68763450	G 1"	130 mm	5,908	1	-
68763450CB	G 1"	130 mm	6,188	1	-
68764250	G 1"1/4	180 mm	8,299	1	-
68764250CB	G 1"1/4	180 mm	8,579	1	-

APPLICATIONS AND ASSEMBLY OPTIONS

GR 1220 - GR 1230

Can be used to connect an external heating source or as pumping unit.

GM 1260 - GM 1270

Can be used for sliding point systems.

GM 1260 - GM 1270

Can be used for sliding point systems.

The manifold can be connected to the primary circuit either from the side connection G 1" 1/2 or the top and bottom connection G 1" 1/4.

The manifold can be connected to the primary circuit either from the side connection G 1" 1/2 or by the top and bottom connection G 1" 1/4.

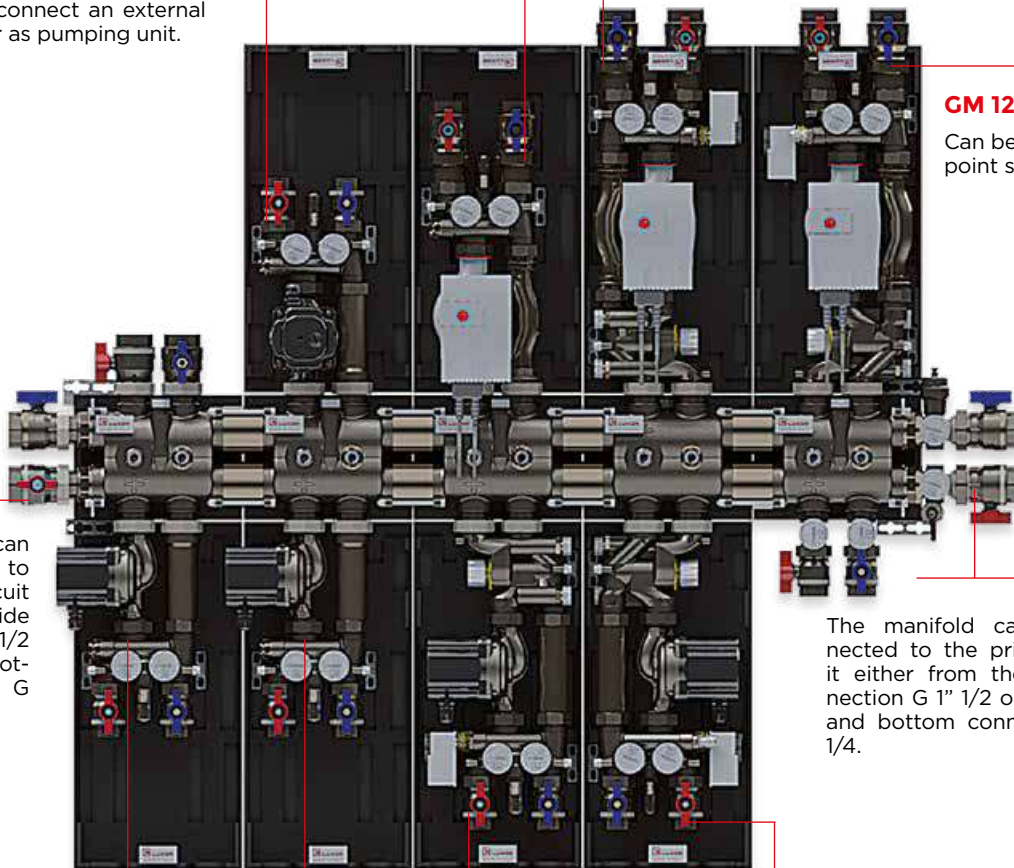
GR 1220 - GR 1230

Can be used to connect an external heating source or as pumping unit.

GM 1260 - GM 1270

Can be used for sliding point systems.

It is possible to reverse the position of the pumping unit or the mixing unit by appropriately connecting the manifolds modules.



MIXING VALVE VM 1200



Mixing valve DN 25. This valve can be combined with the thermostatic head TT 3051 for fixed point systems, or to an actuator with a M30x1,5 thread, closing point 11,5mm and stroke ≥ 3 mm.

Two bypasses are installed on the mixing valve:

- Primary bypass. Enables to generate a recirculation for the pump of the primary circuit (ex. boiler pump).
- Secondary bypass. Allows to generate a recirculation for the pump installed on the group, thus balancing the temperature in the panels and developing thermal inertia for the temperature adjustment system.

Connection to the primary circuit G 1"1/2 male.

Connection to the pump with swivel nut G 1"1/2 and connection to the recirculation socket with swivel nut G 1"1/4.

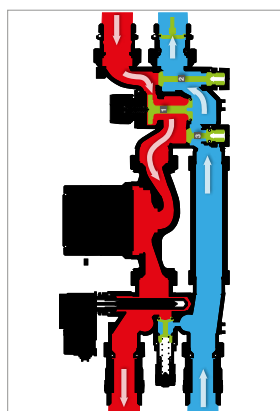
TECHNICAL DATA

Mixing valve Kvs 5,5 (recirculation) 6,9 (primary exchange)

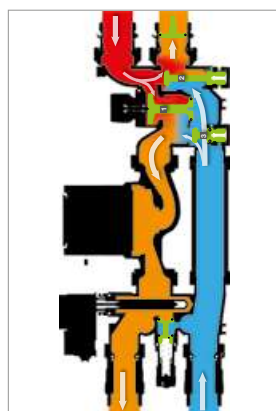
Maximum recommended flow rate to mixing valve 2.750 l/h (Δp 0,25bar)

Maximum recommended differential pressure on mixing valve 0,25 bar

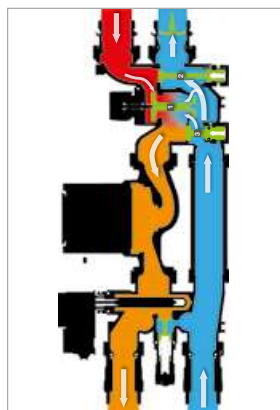
HYDRAULIC DATA



- 1 Mixing valve open
- 2 Primary bypass closed
- 3 Secondary bypass closed



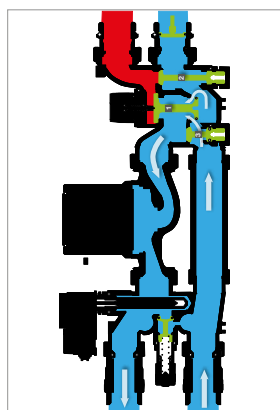
- 1 Mixing valve open
- 2 Primary bypass open
- 3 Secondary bypass open



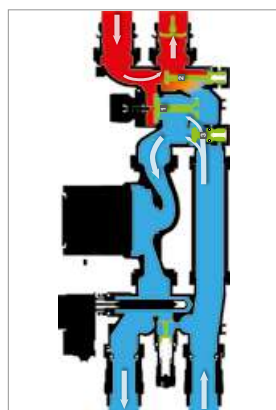
- 1 Mixing valve partially open
- 2 Primary bypass closed
- 3 Secondary bypass closed



- 1 Mixing valve partially open
- 2 Primary bypass open
- 3 Secondary bypass open



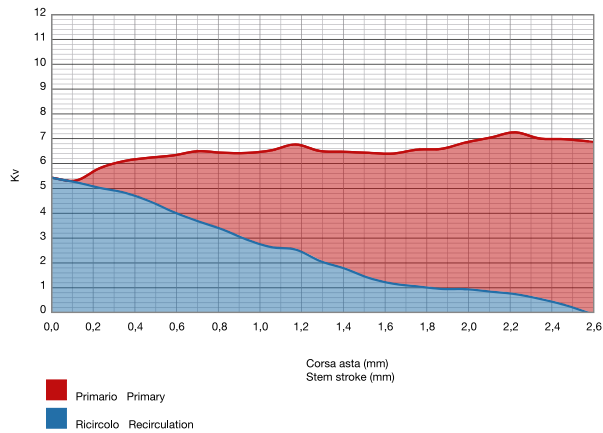
- 1 Mixing valve closed
- 2 Primary bypass closed
- 3 Secondary bypass closed



- 1 Mixing valve closed
- 2 Primary bypass open
- 3 Secondary bypass open

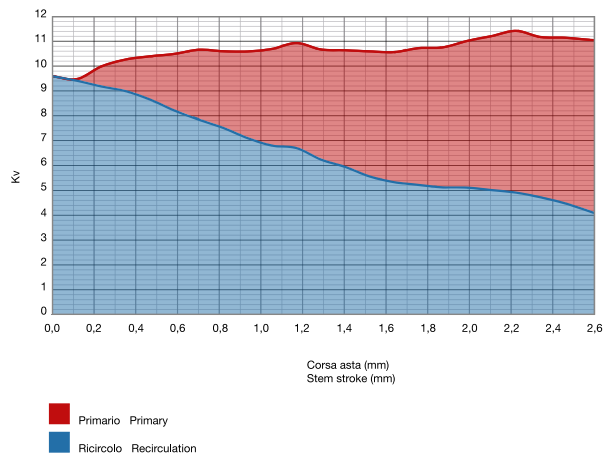
CHARACTERISTIC DIAGRAM ACCORDING TO THE STROKE OF THE SCREW

PRIMARY DIAGRAM/RECIRCULATION WITH BYPASS CLOSED



Kv PRIMARY	Kv RECIRCULATION	STEM STROKE	% PRIMARY	% RECIRCULATION
0,00	5,43	closed	0%	100%
0,07	5,25	0,1	1%	99%
0,80	5,02	0,2	14%	86%
1,27	4,83	0,4	21%	79%
1,74	4,49	0,5	28%	72%
2,28	4,05	0,6	36%	64%
2,82	3,68	0,7	43%	57%
3,09	3,35	0,8	48%	52%
3,49	2,94	0,9	54%	46%
3,89	2,64	1,1	60%	40%
4,23	2,54	1,2	62%	38%
4,43	2,08	1,3	68%	32%
4,70	1,78	1,4	73%	27%
5,03	1,40	1,5	78%	22%
5,23	1,17	1,6	82%	18%
5,50	1,06	1,8	84%	16%
5,63	0,96	1,9	85%	15%
5,90	0,95	2,0	86%	14%
6,20	0,85	2,1	88%	12%
6,51	0,75	2,2	90%	10%
6,45	0,56	2,3	92%	8%
6,66	0,32	2,5	95%	5%
6,90	0,00	all open	100%	0%

PRIMARY DIAGRAM/RECIRCULATION WITH BYPASS OPEN

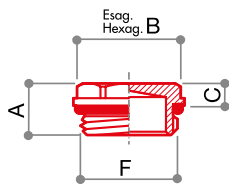


Kv PRIMARY	Kv RECIRCULATION	STEM STROKE	% PRIMARY	% RECIRCULATION
0,00	9,59	closed	0%	100%
0,07	9,41	0,1	1%	99%
0,80	9,18	0,2	8%	92%
1,27	8,99	0,4	12%	88%
1,74	8,65	0,5	17%	83%
2,28	8,21	0,6	22%	78%
2,82	7,84	0,7	26%	74%
3,09	7,51	0,8	29%	71%
3,49	7,10	0,9	33%	67%
3,89	6,80	1,1	36%	64%
4,23	6,70	1,2	39%	61%
4,43	6,24	1,3	42%	58%
4,70	5,94	1,4	44%	56%
5,03	5,56	1,5	48%	52%
5,23	5,33	1,6	50%	50%
5,50	5,22	1,8	51%	49%
5,63	5,12	1,9	52%	48%
5,90	5,11	2,0	54%	46%
6,20	5,01	2,1	55%	45%
6,51	4,91	2,2	57%	43%
6,45	4,72	2,3	58%	42%
6,66	4,48	2,5	60%	40%
6,90	4,16	all open	62%	38%

BYPASS AND MIXING KV VALUE ACCORDING TO THE OBTURATOR TURNS

PRIMARY BYPASS		SECONDARY BYPASS	
CLOSURE TURNS	Kv	CLOSURE TURNS	Kv
1/4	0,30	1/4	0,25
1/2	0,64	1/2	0,59
1	1,32	1	1,27
1 1/2	2,04	1 1/2	1,87
2	2,72	2	2,38
2 1/2	3,48	2 1/2	2,97
3	4,07	3	3,22
3 1/2	4,33	3 1/2	3,56
4	4,58	4	3,73
4 1/2	4,67	4 1/2	3,82
all open	4,67	all open	4,16

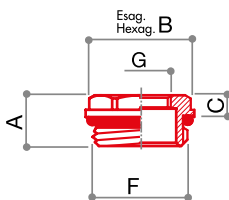
ACCESSORIES FOR DISTRIBUTION MANIFOLDS



TC 460

End cap with o-ring.

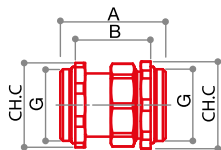
CODE	SIZE	FINISHING	A	B	C	D	E	F	G	H	L			
68559942N	G 1" 1/4	NICKEL-PLATED	25	38	12	-	-	G 1" 1/4	-	-	-	94	30	240
68559948N	G 1" 1/2	NICKEL-PLATED	26	48	16	-	-	G 1" 1/2	-	-	-	160	16	128



TC 462

Cap with adapter and o-ring.

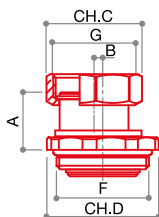
CODE	SIZE	FINISHING	A	B	C	D	E	F	G	H	L			
68559916N	G 1"1/2 x G 1"	NICKEL-PLATED	26	48	16	-	-	G 1"1/2	G 1"	-	-	200	16	128
68559915N	G 1"1/2 x G 1"1/4	NICKEL-PLATED	26	48	16	-	-	G 1"1/2	G 1"1/4	-	-	124	16	128



RD 455

Three pieces M-M union fitting with o-ring.

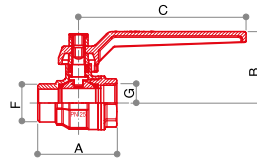
CODE	SIZE	A	B	C	D	E	F	G	H	L			
68994801N	G 1"1/2	70	50	65	-	-	-	G 1"1/2	-	-	460	5	40






RE 447

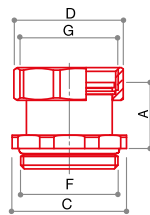
Eccentric fitting to assemble groups on manifold CD1210, on the boiler connections side.
To be used in pairs.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
68994810N	G 1"1/2 M x G 1"1/4F	30	4,5	46	56	-	G 1"1/2	G 1"1/4	-	-	340	5	40




**VC 476**

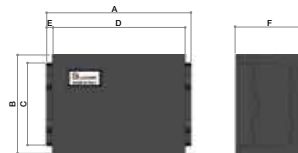
Nickel-plated full flow ball valve, without pipe union, with blue or red lever.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
68559829B	G 1"1/2	91	75	150	-	-	G 1"1/2	G 1"1/2	-	-	1400	2	16
68559829R	G 1"1/2	91	75	150	-	-	G 1"1/2	G 1"1/2	-	-	1400	2	16




**CR 496**

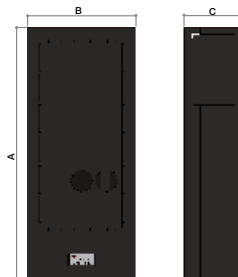
Nickel plated nut and fitting with gasket for ball valve VC476 connection.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
67934800	G 1"1/2	32	-	56	52	-	G 1"1/2	G 1"1/2	-	-	280	6	48




INSULATION**CB 1220**

Insulation for manifold module CD 1210.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
72000080	G 1"1/4 x G 1"	243	166	138	223	10	135	-	-	-	80	-	1

**CB 1222**

Insulation for pumping and mixing groups.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
Pumping groups													
72000082	G 1" - 130 mm	520	223	135	-	-	-	-	-	-	280	-	1
72000084	G 1"1/4 - 180 mm	520	223	135	-	-	-	-	-	-	280	-	1
Mixing groups													
72000086	G 1" - 130 mm	520	223	135	-	-	-	-	-	-	280	-	1
72000088	G 1"1/4 - 180 mm	520	223	135	-	-	-	-	-	-	280	-	1

CONDITION OF SALE

ORDERS

Contracts entered by agents or representative are not definitive until they are regularly accepted by supplier. The orders sent either through our Agents or directly, are accepted under the "General Sales Conditions" described in the present Price List terms, and will agree, without reservation, to the terms below.

INCOTERMS

The consignments are always Ex works unless differently agreed in the sales contract.

PAYMENT TERMS

The payment terms are those specified in the offers and the order confirmation and are binding.

In case of delay of payment with respect to the agreed due terms, the commercial interest shall be calculated. The delayed payment of previous supplies will authorize us to cancel all orders in progress. Agents and representative are not entitled to collect credits, unless clearly authorised in writing by the supplier.

CLAIMS

Claims on quantities will be accepted within 8 days from the date of receipt of goods. The supplier will not be responsible for missing or damaged packages, unless in the despatch note it is clearly written "accepted with reservation".

COURT

For any controversies the place of jurisdiction shall be: the Court of Low of Brescia.

PRICES

Prices indicated are those clearly agreed in the contract sales confirmed by our order confirmation.

DELIVERY TERMS

The articles part of this catalogue will be consigned within a term of 90 days from order acceptance. Any date inferior to this term is not to be considered accepted unless confirmed in order confirmation.

The delivery times are not binding for the supplier, who will not respond for any damages arising directly or indirectly from delivery delays, or from a total or partial interruption of the supply.

PACKAGING

The standard packaging is at suppliers charges.

The standard packaging does not include special out of size or particular. Where any special packaging is required this will be at customer's charges, unless previously agreed in writing in the contract sales.

RETURN OF GOODS

No goods will be accepted without our previous authorization.

MINIMUM ORDER VALUE

The supplier in addition to checking the feasibility will have the right to deliver orders with a minimum value of 500 Euro.

WARRANTY

The guarantee terms refer to article 3 and 5 of the 199/44/CE Directive. The guarantee is supported by an adequate insurance policy for the "Product Third Party Liability". The guarantee declines any responsibility whereas the installation and the test have not been correctly carried out. The wholesalers and the retailers are compelled to illustrate to their customers and installers all the useful care for a correct installation of our materials.

CATALOGUE VALIDITY

Illustrations, data and references published in this issue are not binding on the supplier who reserves the right to make reasonable changes, both technical and commercial, at his discretion at any time, still without lowering the design performance of the goods.