



## EXPRESSION OF THE MOST PRESTIGIOUS MADE IN ITALY



Founded in Italy in 1961, Luxor has grown into a well-established company in the plumbing and heating industry. With a strong presence in the European market, we specialize in the production of **high-quality hoses and components**. Our constant attention to market needs, as well as to hygiene and environmental standards, has made Luxor a trusted name in the industry.



WATCH  
OUR VIDEO



For over sixty years, Luxor has been a symbol of prestigious Made in Italy and the great **Italian tradition** in high-tech mechanical manufacturing.



Luxor products are universally recognized for their reliability and high quality. A **certified quality**, acknowledged by the most prestigious international certification institutes worldwide.



A “lean” 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.

### MISSION

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 analysed 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.



## SANITARY LINE



Luxor is dedicated to the manufacturing of a wide range of hydro-sanitary products which meets every market requirement. Luxor is a worldwide leader in the field of flexible hoses and under sink connections.



**FLEXIBLE HOSES**



**UNDERSINK PIPE CONNECTIONS**



**ANGLE VALVES**



**TRAPS**

## HEATING LINE



Luxor develops and manufactures solutions for heating and cooling systems. All R&D, design, production and quality assurance activities are carried out directly by Luxor.



**RADIATOR VALVES**



**ELECTRICAL AND ELECTRONIC ACCESSORIES**



**MANIFOLDS**



**MODULAR HYDRONIC SYSTEM**



**VALVES**



**FITTINGS**



**PREASSEMBLED GROUPS**

## CERTIFICATIONS

Over the years, we have obtained more than **40 international Luxor product certifications**, a concrete sign of our commitment to quality and reliability.



Luxor S.p.A. is certified ISO 9001:2015 by DEKRA Group certification body.



Luxor S.p.A. has been awarded the Ecovadis Bronze Medal, ranking among the top 35% of companies worldwide for sustainability practices.



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](http://www.nsf.org) for a complete list of NSF approved products.  
Please refer to [www.iapmort.org](http://www.iapmort.org) for a complete list of UPC/CUPC approved products.



## WELL-BEING AND ENVIRONMENT

# THE GREEN SIDE OF LUXOR

In addition to its focus on consumer wellbeing, Luxor shows particular sensitivity to **environmental issues**. We manufacture solid and reliable components while **respecting water, the environment, and human health**.



### SUSTAINABILITY

- Transparency and commitment
- Innovation and efficiency



### RECYCLABILITY

Each product is designed with a focus on its environmental impact at the end of its life cycle



### CONSUMER HEALTH PROTECTION

- Compliance with hygienic and environmental standards
- Use of safe materials for water contact

## TOWARDS A MORE SUSTAINABLE FUTURE



### ENVIRONMENTAL GOALS

Environmental considerations are among the top priorities for Luxor S.p.A., with a clear focus on creating workplaces with a **lower ecological impact**. The company aims to achieve this by continuously evaluating and adopting new eco-friendly materials, with the goal of reducing the use and generation of hazardous substances while pro-

moting a **circular product management model**. **Reducing energy and water consumption** is another key target Luxor S.p.A. intends to achieve in the short term, through ongoing monitoring and the development of action plans aimed at lowering related **GHG (Greenhouse Gas) emissions**.



### SOCIAL GOALS

Luxor is committed to ensuring a **high level of training** for its workforce through internal training programs and close collaboration with industry experts. The adoption of a **shared company policy** and the **active listening** to employees' voices are primary ob-

jectives for Luxor. The company firmly believes that engaging its people and ensuring a safe, positive working environment is essential to achieving its financial and economic goals.



### GOVERNANCE GOALS

Luxor S.p.A. has recently adopted its own Code of Ethics, drafted an **anti-corruption policy**, and implemented a **Whistleblowing** mechanism to report unlawful behavior. The company is also committed to preparing a **sustainability report** in compliance with ESRS (CSRD) standards for the year 2024, to be published in 2025.

In addition, Luxor aims to continue its commitment to **transparent and responsible supply chain management**, through a careful evaluation of suppliers based on ESG criteria, with particular attention to **Corporate Social Responsibility (CSR)**.



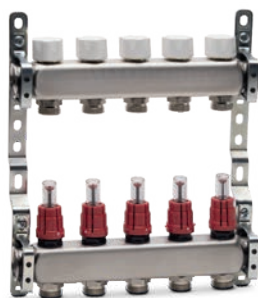


STAINLESS STEEL DISTRIBUTION MANIFOLDS

**2.5 / CX SERIES**

## CX

### STAINLESS STEEL DISTRIBUTION MANIFOLDS



Do only use Luxor manifolds with Luxor accessories with soft o-ring sealing. All of Luxor fittings and accessories for manifolds (such as drain valves, plugs, etc.) are provided with this kind of sealing and do not require any intermedia-

te sealing element (PTFE, hemp, etc.), which could result in cracks.

**We recommend to tighten the fittings to a maximum torque of 60 Nm.**

#### TECHNICAL DATA



Max temperature  
120 °C



Max pressure  
10 bar



Materials  
AISI 304



Knob  
white ABS  
RAL 9016



Stem  
AISI 316



Testing  
100%

#### TECHNICAL SPECIFICATIONS WITH FLOW REGULATORS ART. TM 4014



Max temperature  
65 °C



Max pressure  
6 bar



Working temperature range  
0 °C ÷ 100 °C



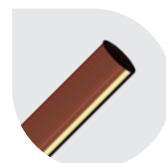
Room temperature  
0 °C ÷ 60 °C



Max relative humidity  
80%

#### TECHNICAL SPECIFICATIONS WITH THERMOELECTRIC HEAD ART. TE

#### SYSTEM CONNECTIONS



**Copper pipe**  
W 24x19 - TR 91  
G 3/4 EK - TR 91/A



**Plastic pipe**  
W 24x19 - TP 95  
G 3/4 EK - TP 98



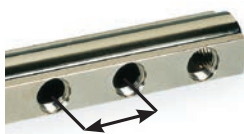
**Multilayer pipe**  
W 24x19 - TP 97  
G 3/4 EK - TP 99

#### MAIN BODY CONNECTION



G 1"

#### CENTRE TO CENTRE DISTANCE



G 1" 50 mm

#### FLOW REGULATORS AND HOLDERS



With regulators and flow meters TM 4012, adjusting and balancing manifolds allow for an immediate verification of the system's balance by reading the flow rate. This adjustment can be locked through a block cap. The glass and the measuring spring can be disassembled for maintenance and cleaned while the system is operating. This kind of manifold must be installed on the inlet.



#### LOCKSHIELD VALVE

Adjusting and balancing manifolds (lockshield type) feature a double micrometric adjustment with memory of position in case of temporary shutdowns and can be mounted both on inlets and outlets of the system.



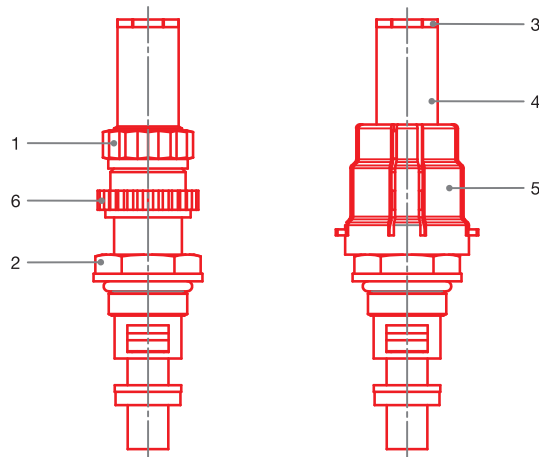
#### CONVERTIBLE HEADWORK

The tightening device on the stem of the manifolds with built-in valves for thermoelectric adjustment can be inspected and replaced while the system is operating. The control stem is in AISI 316 stainless steel and its tightness is ensured by two peroxide cured EPDM o-rings.

All manifolds CX series are 100% checked with an electronically controlled pneumatic test.

The characteristics of the fluid in the system must be compliant with the UNI 8065: 2019 directive.

## DISTRIBUTION MANIFOLDS FOR HEATING SYSTEMS WITH INLET REGULATOR / FLOW METERS



1. Adjusting collar
2. Fixing collar
3. Glass collar
4. Glass
5. Block cap
6. Memory ferrule

### ADJUSTMENT INSTRUCTIONS FOR MANIFOLDS WITH INLET REGULATOR/FLOW METERS

#### BALANCING OF THE HYDRAULIC CIRCUITS

The theoretical flow rate of a hydraulic circuit, assigned by a technician, is given by the adjustment carried out through the regulator/flow meters TM 4014 (code 69000017) assembled on the flow inlet.

The adjustment must be carried out with the valve on the return circuit fully open.

Since the flow rates of each heating ring affect each other, each single heating ring has to be adjusted until the values in litres/minute laid down in the project are satisfactorily reached.

#### FLOWMETER "MEMORY-STOP" FUNCTION

Blocking system of the opening grade of the flowmeter which allows, once the system is reopened, the stopping of the run at its initial setting (project value).

- 1) Set the Flowmeter control to the design value. The control wheel must be removed during this operation;
- 2) Turn the "Memory stop" ferrule anticlockwise (left-hand thread) to the end of its travel;
- 3) Put the control wheel back on. The individual circuit can be closed by turning the wheel clockwise. By turning it the other way up to the stop it is possible to reopen the circuit to the set design value;

Using the two holes in the control wheel it is possible to seal the Flowmeter so as to prevent tampering with the setting.

**Warning: do NOT use any tools to turn/manipulate the Flow-meter, as to do so could stop it working properly.**

#### CLEANING

The glass and the measuring spring can be disassembled for maintenance and cleaned.

This can be done as follows even while the system is operating:

- close the top meter and the screw placed on the return manifold;
- unscrew the glass applying strength on the collar and take it out – be careful not to lose the measuring spring;
- during this operation, a negligible water leakage will appear;
- if necessary, the glass can now be easily cleaned;
- to reassemble, follow the above instructions in reverse.

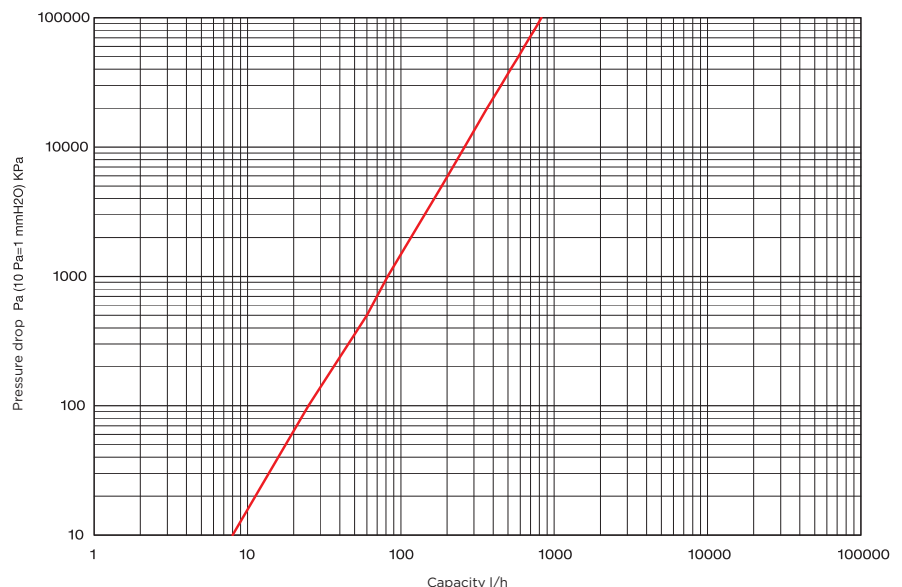
#### PRESSURE DROP

The total pressure drop of the heating circuit is made up by various pressure drops: water return valve, pipes and regulator/flow meters.

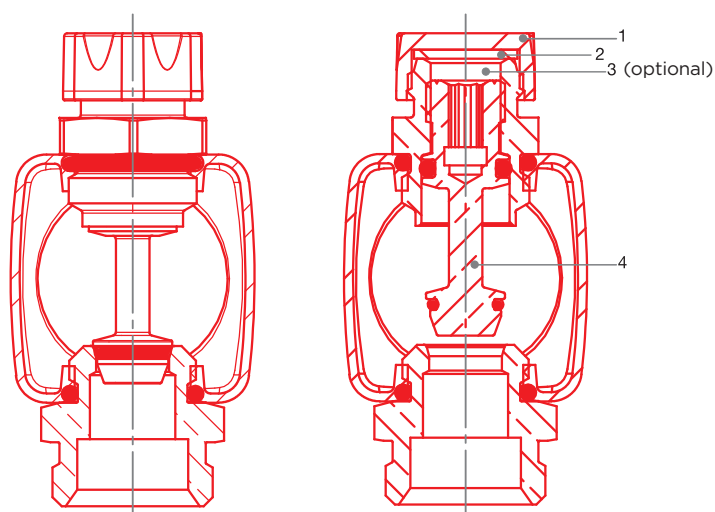
#### TM 4014 FLOWMETER 0,5 L

$\Delta P$ Pa	$\Delta P$ Kpa	Q l/h
10	0,01	8
100	0,1	25
500	0,5	60
1000	1	82
5000	5	185
10000	10	260
20000	20	365
30000	30	450
40000	40	520
50000	50	585
60000	60	640
70000	70	690
80000	80	740
90000	90	785
<b>100000</b>	<b>100</b>	<b>825</b>

#### FLUID DYNAMIC CHARACTERISTICS



## DISTRIBUTION MANIFOLDS FOR HEATING SYSTEMS WITH BUILT-IN LOCKSHIELDS



1. ABS plug
2. Gasket
3. Adjusting collar, code 3346656
4. Obturator

## ADJUSTMENT INSTRUCTIONS FOR MANIFOLDS WITH LOCKSHIELDS

Unscrew the plug (1). Screw the obturator with a hex key until it reaches the closed position.

After these operations the lockshield is ready to be set.

The relation between the Kv value, the position of the obturator and the corresponding curve, are described in the differential pressure diagram chart. This means that by unscrewing the obturator for a certain number of turns, it is possible to obtain the required Kv value.

## EXAMPLE

- Curve n. 1: 1/2 turn of the screw – Kv 0,09
- Curve n. 3: 1+1/2 turn of the screw – Kv 0,76

Using the collar code 3346656 (supplied separately) it is possible to create a mechanical stop of the obturator.

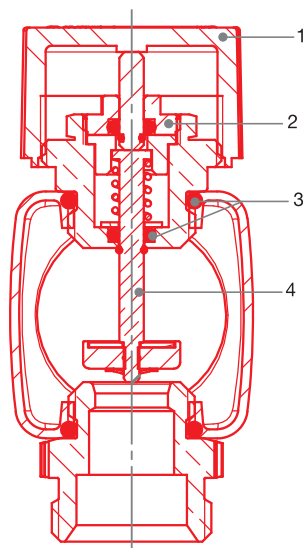
Once the flow rate has been set through the obturator, the regulating collar must be screwed to the obturator.

It is now possible to open and close the obturator without losing the position of the previously set regulation.

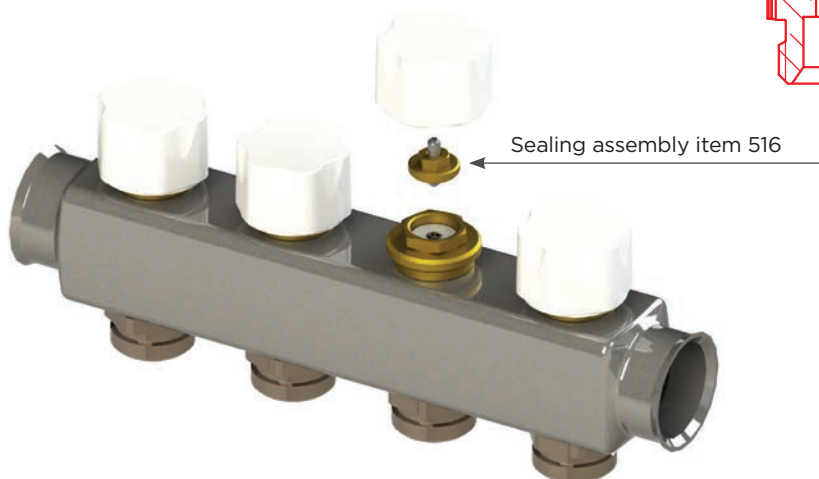
In case of water leakage from the screw stem, the sealing assembly can be tightened until the flow comes to a full stop.

Should the leakage continue, the whole sealing assembly can be replaced by following the instructions below while the group is operating.

- Remove the protection cap, the knob, the thermostatic head or the thermoelectric head;
- Unscrew the sealing assembly with a 9mm key blocking the screw body with a 19mm key;
- Replace the part with article code 67980200 screwing it in with a 9mm key;
- Replace the protection cap, the knob, the thermostatic head or the thermoelectric head.



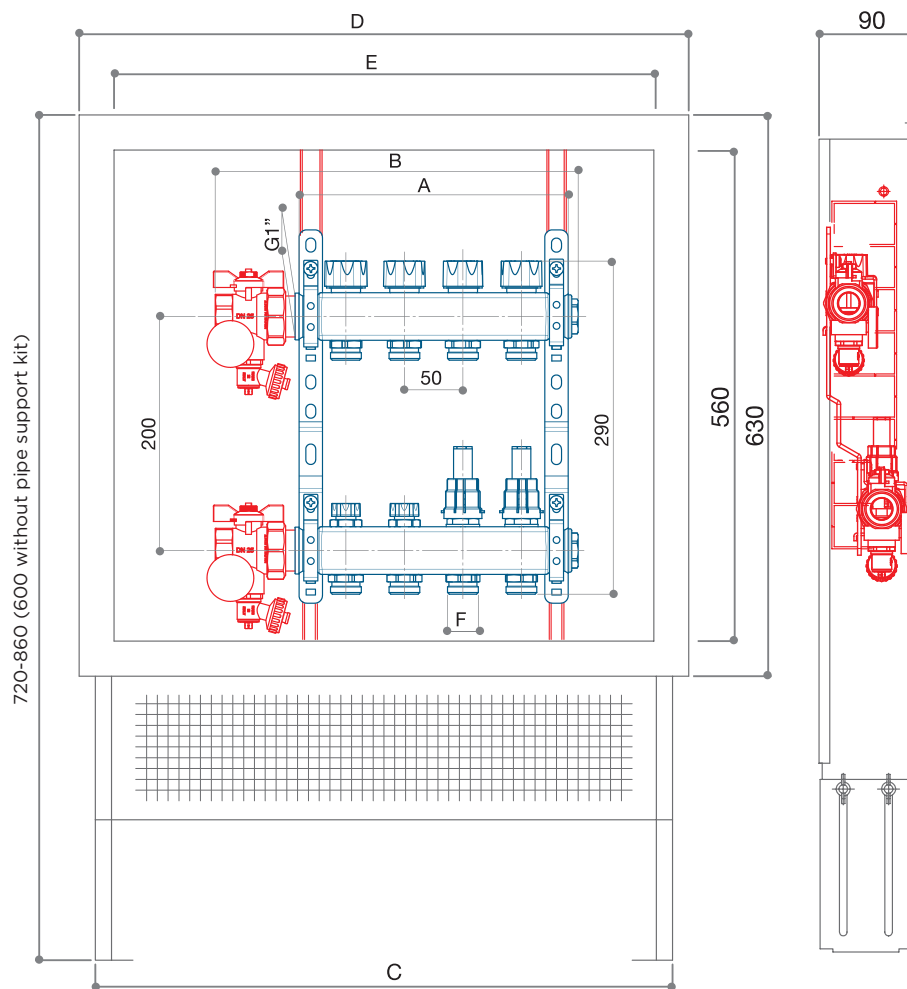
1. ABS plug or manual knob
2. Sealing assembly item 516
3. Gasket
4. Obturator



# G 1"

## HOW TO CHOOSE THE RIGHT CABINET

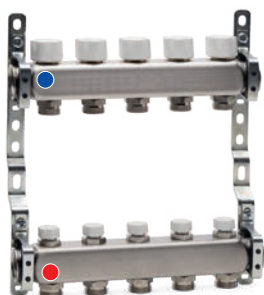
### G 1" MANIFOLD



							CABINETS	
OUTLETS	A	B	C	D	E	F	ITEM	CODE
2	130	210	500	560	490	W24x19 - G 3/4 EK	CF 490	68561405
3	180	260						
4	230	310						
5	280	360						
6	330	410	700	760	690		CF 490	68561407
7	380	460						
8	430	510						
9	480	560						
10	530	610	850	910	840		CF 490	68561408
11	580	660						
12	630	710						
13	680	760						
14	730	810	1000	1060	990		CF 490	68561410
15	780	860						
16	830	910						




## STAINLESS STEEL DISTRIBUTION MANIFOLDS









Pre-assembled distribution manifold consisting of:

- 1 return manifold with built-in valves set for thermoelectric adjustment and protection caps
- 1 inlet manifold with built in lockshields fit for double regulation
- 2 metal brackets.

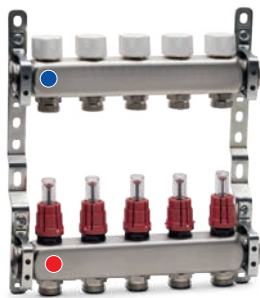
## CX 2465

CODE	SIZE	OUTLETS N°						
15512402X	G 1" x (W24x19)	2	TR 91	TP 95	TP 97	1,331	1	-
15512403X		3	TR 91	TP 95	TP 97	1,756	1	-
15512404X		4	TR 91	TP 95	TP 97	2,166	1	-
15512405X		5	TR 91	TP 95	TP 97	2,552	1	-
15512406X		6	TR 91	TP 95	TP 97	2,998	1	-
15512407X		7	TR 91	TP 95	TP 97	3,384	1	-
15512408X		8	TR 91	TP 95	TP 97	3,782	1	-
15512409X		9	TR 91	TP 95	TP 97	4,108	1	-
15512410X		10	TR 91	TP 95	TP 97	4,602	1	-
15512411X		11	TR 91	TP 95	TP 97	5,008	1	-
15512412X		12	TR 91	TP 95	TP 97	5,438	1	-
15512413X		13	TR 91	TP 95	TP 97	5,832	1	-
15512414X		14	TR 91	TP 95	TP 97	5,914	1	-
15512415X		15	TR 91	TP 95	TP 97	6,303	1	-
15512416X		16	TR 91	TP 95	TP 97	6,692	1	-

## CX 2468

CODE	SIZE	OUTLETS N°						
15512702X	G 1" x G 3/4 EK	2	TR 91/A	TP 98	TP 99	1,138	1	-
15512703X		3	TR 91/A	TP 98	TP 99	1,756	1	-
15512704X		4	TR 91/A	TP 98	TP 99	2,166	1	-
15512705X		5	TR 91/A	TP 98	TP 99	2,552	1	-
15512706X		6	TR 91/A	TP 98	TP 99	2,998	1	-
15512707X		7	TR 91/A	TP 98	TP 99	3,384	1	-
15512708X		8	TR 91/A	TP 98	TP 99	3,782	1	-
15512709X		9	TR 91/A	TP 98	TP 99	4,108	1	-
15512710X		10	TR 91/A	TP 98	TP 99	4,602	1	-
15512711X		11	TR 91/A	TP 98	TP 99	5,008	1	-
15512712X		12	TR 91/A	TP 98	TP 99	5,438	1	-
15512713X		13	TR 91/A	TP 98	TP 99	5,832	1	-
15512714X		14	TR 91/A	TP 98	TP 99	6,306	1	-
15512715X		15	TR 91/A	TP 98	TP 99	6,723	1	-
15512716X		16	TR 91/A	TP 98	TP 99	7,140	1	-
















Pre-assembled distribution manifold consisting of:

- 1 return manifold with built-in valves set for thermoelectric adjustment and protection caps
- 1 inlet manifold with regulator/flow meters
- 2 metal brackets.

**CX 2478**

CODE	SIZE	OUTLETS N°						
15612402X	G 1" x (W24x19)	2	TR 91	TP 95	TP 97	1,276	1	-
15612403X		3	TR 91	TP 95	TP 97	1,666	1	-
15612404X		4	TR 91	TP 95	TP 97	2,040	1	-
15612405X		5	TR 91	TP 95	TP 97	2,412	1	-
15612406X		6	TR 91	TP 95	TP 97	2,804	1	-
15612407X		7	TR 91	TP 95	TP 97	3,160	1	-
15612408X		8	TR 91	TP 95	TP 97	3,528	1	-
15612409X		9	TR 91	TP 95	TP 97	3,856	1	-
15612410X		10	TR 91	TP 95	TP 97	4,280	1	-
15612411X		11	TR 91	TP 95	TP 97	4,652	1	-
15612412X		12	TR 91	TP 95	TP 97	5,042	1	-
15612413X		13	TR 91	TP 95	TP 97	5,424	1	-
15612414X		14	TR 91	TP 95	TP 97	5,525	1	-
15612415X		15	TR 91	TP 95	TP 97	5,886	1	-
15612416X		16	TR 91	TP 95	TP 97	6,247	1	-

**CX 2473**

CODE	SIZE	OUTLETS N°						
15612702X	G 1" x G 3/4 EK	2	TR 91/A	TP 98	TP 99	1,082	1	-
15612703X		3	TR 91/A	TP 98	TP 99	1,666	1	-
15612704X		4	TR 91/A	TP 98	TP 99	2,040	1	-
15612705X		5	TR 91/A	TP 98	TP 99	2,412	1	-
15612706X		6	TR 91/A	TP 98	TP 99	2,804	1	-
15612707X		7	TR 91/A	TP 98	TP 99	3,160	1	-
15612708X		8	TR 91/A	TP 98	TP 99	3,528	1	-
15612709X		9	TR 91/A	TP 98	TP 99	3,856	1	-
15612710X		10	TR 91/A	TP 98	TP 99	4,280	1	-
15612711X		11	TR 91/A	TP 98	TP 99	4,652	1	-
15612712X		12	TR 91/A	TP 98	TP 99	5,042	1	-
15612713X		13	TR 91/A	TP 98	TP 99	5,424	1	-
15612714X		14	TR 91/A	TP 98	TP 99	5,917	1	-
15612715X		15	TR 91/A	TP 98	TP 99	6,306	1	-
15612716X		16	TR 91/A	TP 98	TP 99	6,695	1	-



Fittings for copper pipe



Fittings for plastic pipe



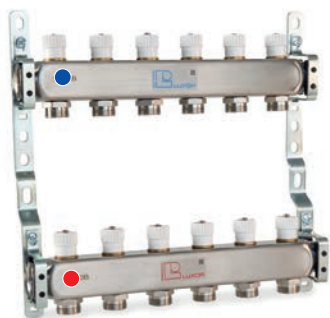
Fittings for multilayer pipe



Fittings: chapter 7









Accessories: chapter 2.A



Pre-assembled distribution manifold consisting of:

- 1 return manifold with manual screw and aluminium discs for sanitary user identification
- 1 delivery manifold with manual screw and aluminium discs for sanitary user identification
- 2 metal supports.

**CX 1000**




CODE	SIZE	OUTLETS N°						
15712702X	G 1" x G 3/4 EK	2	TR 91/A	TP 98	TP 99	1,3328	1	-
15712703X		3	TR 91/A	TP 98	TP 99	1,7232	1	-
15712704X		4	TR 91/A	TP 98	TP 99	2,1096	1	-
15712705X		5	TR 91/A	TP 98	TP 99	2,4760	1	-
15712706X		6	TR 91/A	TP 98	TP 99	2,8824	1	-
15712707X		7	TR 91/A	TP 98	TP 99	3,2448	1	-
15712708X		8	TR 91/A	TP 98	TP 99	3,6632	1	-
15712709X		9	TR 91/A	TP 98	TP 99	4,0956	1	-
15712710X		10	TR 91/A	TP 98	TP 99	4,4560	1	-
15712711X		11	TR 91/A	TP 98	TP 99	4,8424	1	-
15712712X		12	TR 91/A	TP 98	TP 99	5,2248	1	-
15712713X		13	TR 91/A	TP 98	TP 99	5,6212	1	-
15712714X		14	TR 91/A	TP 98	TP 99	6,0176	1	-





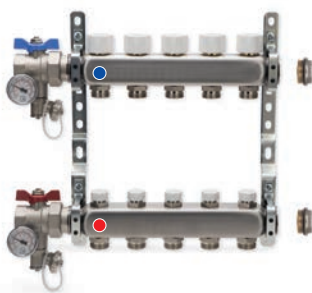
Pre-assembled distribution manifold with manual valve and aluminium discs for identification of sanitary utilities. Manual air vent valve and fill/drain valve for heating system water.

**CX 4123**

CODE	SIZE	OUTLETS N°			
17412302X	G 1" x G 3/4 EK	2	0,6394	15	-
17412303X		3	0,8326	12	-
17412304X		4	1,0158	10	-
17412305X		5	1,2190	10	-
17412306X		6	1,4002	8	-
17412307X		7	1,6094	8	-
17412308X		8	1,8256	8	-
17412309X		9	2,0058	8	-
17412310X		10	2,1990	8	-
17412311X		11	2,3902	8	-
17412312X		12	2,5884	8	-









## PRE-ASSEMBLED STAINLESS STEEL DISTRIBUTION MANIFOLDS WITH INSTALLATION ACCESSORIES









Pre-assembled distribution manifold consisting of:

- 1 return manifold with built-in valves set for thermoelectric adjustment and manual control knob
- 1 inlet manifold with built-in lockshields fit for double regulation.

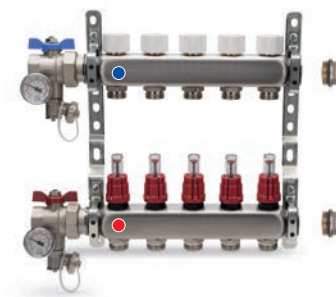
### CX 2465M

CODE	SIZE	OUTLETS N°						
15512402MX	G 1" x (W24x19)	2	TR 91	TP 95	TP 97	2,658	1	-
15512403MX		3	TR 91	TP 95	TP 97	3,276	1	-
15512404MX		4	TR 91	TP 95	TP 97	3,686	1	-
15512405MX		5	TR 91	TP 95	TP 97	4,072	1	-
15512406MX		6	TR 91	TP 95	TP 97	4,518	1	-
15512407MX		7	TR 91	TP 95	TP 97	4,904	1	-
15512408MX		8	TR 91	TP 95	TP 97	5,302	1	-
15512409MX		9	TR 91	TP 95	TP 97	5,628	1	-
15512410MX		10	TR 91	TP 95	TP 97	6,122	1	-
15512411MX		11	TR 91	TP 95	TP 97	6,528	1	-
15512412MX		12	TR 91	TP 95	TP 97	6,958	1	-
15512413MX		13	TR 91	TP 95	TP 97	7,352	1	-
15512414MX		14	TR 91	TP 95	TP 97	7,313	1	-
15512415MX		15	TR 91	TP 95	TP 97	7,702	1	-
15512416MX		16	TR 91	TP 95	TP 97	8,090	1	-

### CX 2468M

CODE	SIZE	OUTLETS N°						
15512702MX	G 1" x G 3/4 EK	2	TR 91/A	TP 98	TP 99	2,658	1	-
15512703MX		3	TR 91/A	TP 98	TP 99	3,276	1	-
15512704MX		4	TR 91/A	TP 98	TP 99	3,686	1	-
15512705MX		5	TR 91/A	TP 98	TP 99	4,072	1	-
15512706MX		6	TR 91/A	TP 98	TP 99	4,518	1	-
15512707MX		7	TR 91/A	TP 98	TP 99	4,904	1	-
15512708MX		8	TR 91/A	TP 98	TP 99	5,302	1	-
15512709MX		9	TR 91/A	TP 98	TP 99	5,628	1	-
15512710MX		10	TR 91/A	TP 98	TP 99	6,122	1	-
15512711MX		11	TR 91/A	TP 98	TP 99	6,528	1	-
15512712MX		12	TR 91/A	TP 98	TP 99	6,958	1	-
15512713MX		13	TR 91/A	TP 98	TP 99	7,352	1	-
15512714MX		14	TR 91/A	TP 98	TP 99	7,705	1	-
15512715MX		15	TR 91/A	TP 98	TP 99	8,122	1	-
15512716 MX		16	TR 91/A	TP 98	TP 99	8,538	1	-












Pre-assembled distribution manifold consisting of:

- 1 return manifold with built-in valves set for thermoelectric adjustment and manual control knob
- 1 inlet manifold with regulator/flow meters.

**CX 2478M**

CODE	SIZE	OUTLETS N°						
15612402MX	G 1" x (W24x19)	2	TR 91	TP 95	TP 97	2,602	1	-
15612403MX		3	TR 91	TP 95	TP 97	3,186	1	-
15612404MX		4	TR 91	TP 95	TP 97	3,560	1	-
15612405MX		5	TR 91	TP 95	TP 97	3,932	1	-
15612406MX		6	TR 91	TP 95	TP 97	4,324	1	-
15612407MX		7	TR 91	TP 95	TP 97	4,680	1	-
15612408MX		8	TR 91	TP 95	TP 97	5,048	1	-
15612409MX		9	TR 91	TP 95	TP 97	5,376	1	-
15612410MX		10	TR 91	TP 95	TP 97	5,800	1	-
15612411MX		11	TR 91	TP 95	TP 97	6,172	1	-
15612412MX		12	TR 91	TP 95	TP 97	6,562	1	-
15612413MX		13	TR 91	TP 95	TP 97	6,944	1	-
15612414MX		14	TR 91	TP 95	TP 97	6,924	1	-
15612415MX		15	TR 91	TP 95	TP 97	7,285	1	-
15612416MX		16	TR 91	TP 95	TP 97	7,646	1	-

**CX 2473M**

CODE	SIZE	OUTLETS N°						
15612702MX	G 1" x G 3/4 EK	2	TR 91/A	TP 98	TP 99	2,602	1	-
15612703MX		3	TR 91/A	TP 98	TP 99	3,186	1	-
15612704MX		4	TR 91/A	TP 98	TP 99	3,560	1	-
15612705MX		5	TR 91/A	TP 98	TP 99	3,932	1	-
15612706MX		6	TR 91/A	TP 98	TP 99	4,324	1	-
15612707MX		7	TR 91/A	TP 98	TP 99	4,680	1	-
15612708MX		8	TR 91/A	TP 98	TP 99	5,048	1	-
15612709MX		9	TR 91/A	TP 98	TP 99	5,376	1	-
15612710MX		10	TR 91/A	TP 98	TP 99	5,800	1	-
15612711MX		11	TR 91/A	TP 98	TP 99	6,172	1	-
15612712MX		12	TR 91/A	TP 98	TP 99	6,562	1	-
15612713MX		13	TR 91/A	TP 98	TP 99	6,944	1	-
15612714MX		14	TR 91/A	TP 98	TP 99	7,316	1	-
15612715MX		15	TR 91/A	TP 98	TP 99	7,705	1	-
15612716MX		16	TR 91/A	TP 98	TP 99	8,094	1	-



Fittings for copper pipe



Fittings for plastic pipe



Fittings for multilayer pipe

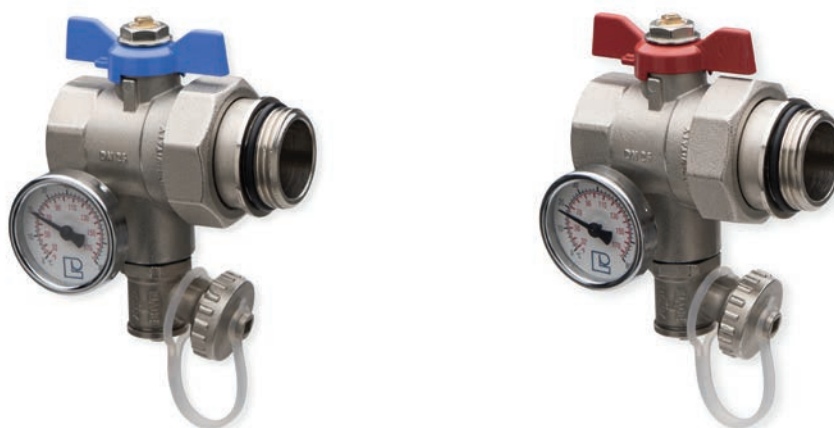


Fittings: chapter 7



Accessories: chapter 2.A

## MULTIPURPOSE WATER INLET BALL VALVE



## TECHNICAL DATA



Max temperature  
90°C



Max pressure  
10 bar



DN  
25



Materials  
CW617N

## CONSTRUCTIVE FEATURES

Multipurpose water inlet ball valves are manufactured in CW617N brass and compatible with Luxor manifolds and components.

Multipurpose water inlet ball valves' pivot pin is installed from the inside. This system, known as "explosion-proof", prevents the pivot pin and its sealing system from escaping, while making external tampering impossible as well. Ball valves feature two elastomeric O-ring seals, chosen for their high resistance to ageing.

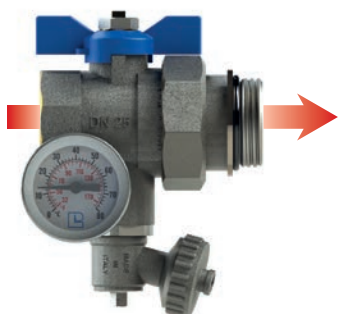
## FUNCTIONS

Multipurpose ball valves are extremely compact and may be installed on either right or left of the manifold simply by placing the thermometer on the desired side.

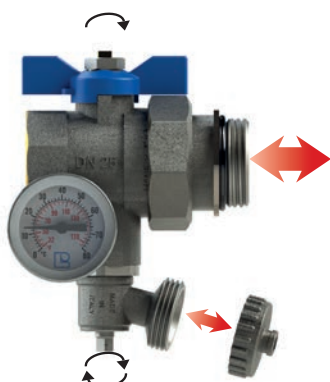
These valves are called "multipurpose" because they combine a number of functions in one product:

- **Ball valve:** allowing to intercept the flow to the manifold.
- **Manual air vent valve:** the handle's stem features a manual air vent which may be operated through the drive on the plug of the water inlet/outlet valve. The position of the vent on the upper side of the valve facilitates the complete expulsion of air from the system, thus allowing for optimal operation.
- **Integrated thermometer** for temperature display: may be installed on either side according to the intended use.

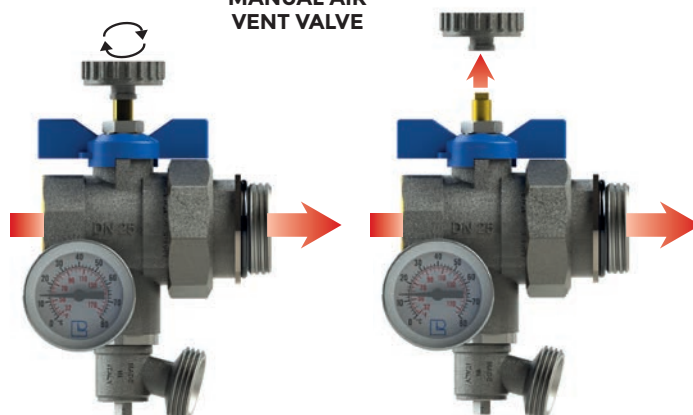
## BALL VALVE



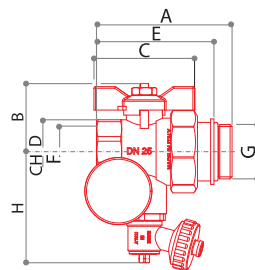
## WATER OUTLET VALVE



## MANUAL AIR VENT VALVE






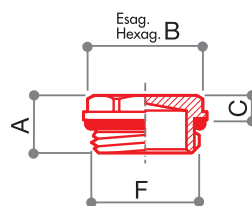
## MULTIPURPOSE WATER INLET BALL VALVE



### VC 481




Multipurpose water inlet ball valve with manual air vent, blue or red butterfly handle and CR 498 fitting with O-ring for manifold connection, complete with 0°C  $\pm$ 80°C thermometer.

CODE	SIZE	A	B	C	D	E	F	G	H	L			
68559722B	G 1"	81	41	60	38	70	G 1"	G 1"	70	-	645	4	32
68559722R	G 1"	81	41	60	38	70	G 1"	G 1"	70	-	645	4	32



### TC 460

Cap with o-ring seal.

CODE	SIZE	PLATED	A	B	C	D	E	F	G	H	L			
68559934N	G 1"	NICKEL	19	27	9	-	-	G 1"	-	-	-	52	50	400



Fittings for copper pipe



Fittings for plastic pipe



Fittings for multilayer pipe



Fittings: chapter 7

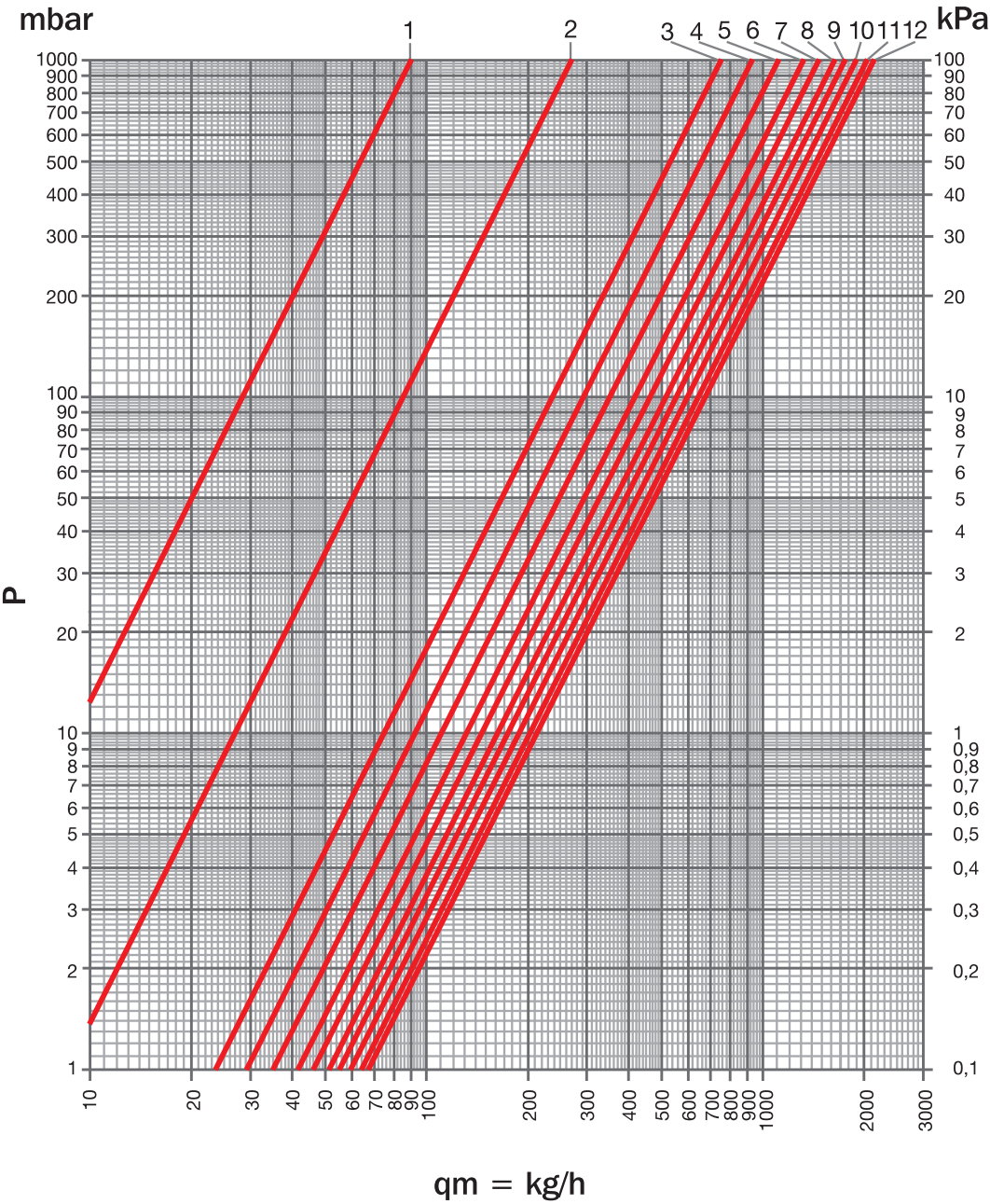


Accessories: chapter 2.A



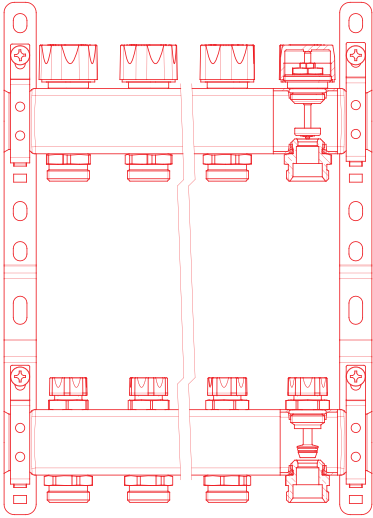
MANIFOLDS FLOW RATE CHART

DISTRIBUTION MANIFOLDS WITH BUILT IN LOCKSHIELDS



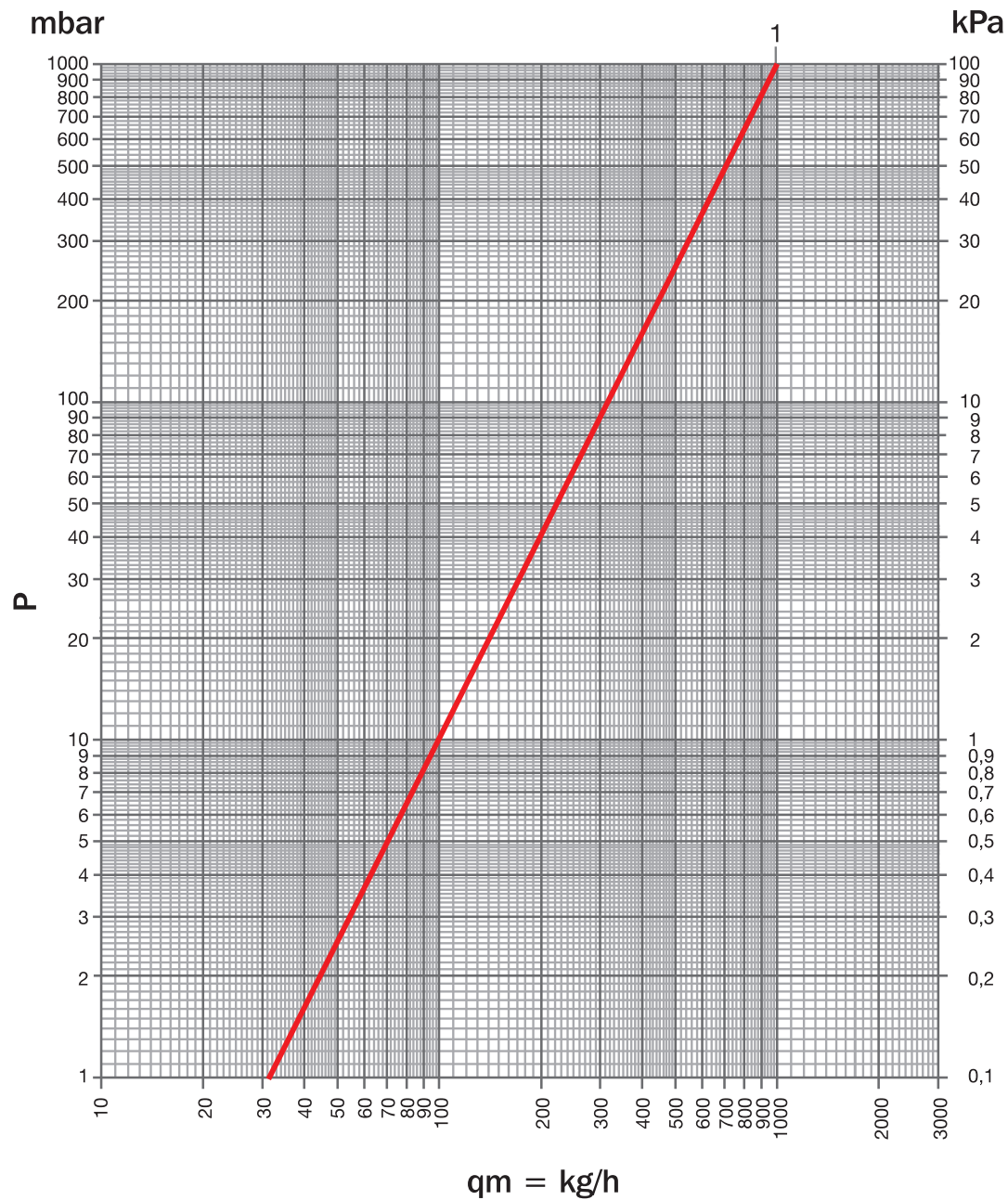
ITEM	SIZE	TURNS N°	Kvs	POS
CX 2468	G 1"	1/2	0,09	1
		1	0,27	2
		1+1/2	0,75	3
		2	0,93	4
		2+1/2	1,11	5
		3	1,31	6
		3+1/2	1,48	7
		4	1,62	8
		4+1/2	1,76	9
		5	1,90	10
		5+1/2	2,02	11
		all open	2,12	12

MAX SUGGESTED FLOW RATE
2860 l/h



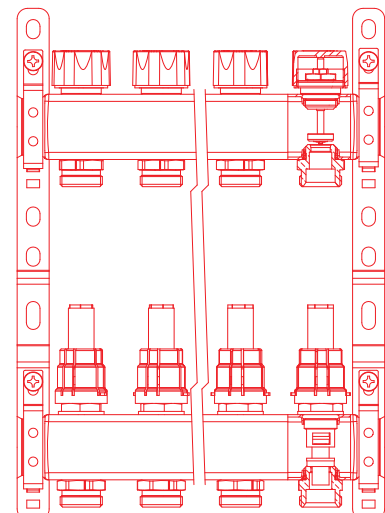
## MANIFOLDS FLOW RATE CHART

## DISTRIBUTION MANIFOLDS WITH FLOW METER TM



ITEM	SIZE	CX + TM	Kvs	POS
CX 2473	G 1"	TM 4014	0,99	1

MAX SUGGESTED FLOW RATE
2450 l/h





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## GENERAL CONDITIONS OF SALE

**1 PREMISES - 1.1** The present conditions of sale apply to all supplies of Luxor Spa Products (hereafter "Luxor"). Any general conditions, and in particular the conditions of purchase of the Buyer (hereafter "Customer"), unless expressly accepted in writing by Luxor, shall not bind the latter nor exempt the Customer from the application of the present General Conditions (hereafter GSC)

**2. ORDERS - 2.1** The Purchase Orders (referred to as 'Orders') are an irrevocable purchase proposal. By placing an Order, customers fully accept the present General Conditions of Sale.

**2.2** Orders are considered accepted only after Luxor confirms them in writing. The Order confirmation and/or Invoice issued by Luxor will be considered as confirmation.

**2.3** Any changes to the Order requested by the Customer after the sending of the Order Confirmation will only be valid and enforceable after written acceptance by Luxor. Cancellation or modification of Orders without the prior written consent of Luxor, will give Luxor the right to act to obtain reimbursement of the costs incurred, without prejudice to the right to compensation for greater damages.

**3 PRICES - 3.1** Luxor products will be invoiced based on the current price list at the time the order is accepted. Prices do not include VAT or any other taxes.

**3.2** Prices listed in sales catalogues/lists are merely indicative and may be subject to change due to production cost increases. In such cases, Luxor will inform the purchaser of the price increase and provide the reasons.

**4 DELIVERY TERMS - 4.1** The supplies in each individual Order will be delivered within the stated terms in the Order Confirmation.

**4.2** Luxor will not be held responsible for delays in delivery that are not caused by Luxor, such as delays by third parties, including suppliers and sub-suppliers, shippers, and causes of force majeure that result in total or partial inactivity of the plants. In the cases mentioned above, the Customer cannot refuse delivery of the goods, even if it is only partial, nor can they use a delay in delivery as a reason to terminate the contract or claim damages.

**5 SHIPMENTS - 5.1** The products will be delivered to the 'Assigned Port' (Incoterms 2020 EXW), with transport costs and risks borne by the buyer, unless otherwise agreed.

**5.2** Even in the case of agreed delivery in "Free Port" (Incoterms 2020 DDP) with costs borne by Luxor, the goods will still travel at the buyer's risk. Regardless of the delivery terms agreed upon by the parties, the risks will pass to the buyer at the latest with delivery to the first carrier.

**5.3** The transfer of ownership of the goods is suspended until the full price has been paid, but this does not affect the transfer of risk to the purchaser.

**5.4** If special packaging is required, an additional charge as indicated in the price list or order confirmation will be added to the invoice.

**6 PAYMENTS - 6.1** Payments are due as per the terms and manner specified in the order confirmation and/or invoice.

**6.2** Unless otherwise expressly agreed, payments must be made to the bank details mentioned in the sales invoice. For payments made from abroad via bank transfer, the OUR option must be selected to ensure that Luxor receives the net amount on the invoice after deducting bank charges and expenses. Luxor does not authorize any third parties, including agents and representatives, to collect money on its behalf.

**6.3** The Customer is not permitted to suspend or delay payments, even in the event of claims or complaints of defects, and must adhere to the agreed terms.

**6.4** In case of payment interruption or suspension, the Customer will be considered in default. Luxor reserves the right to charge expenses and interest as per Art. 5 and 6 of D.Lgs n. 192/2012, without prejudice to the right to terminate the contract. Delayed payment may also result in Luxor excluding the guarantee for the entire period of delay.

**6.5** If the Customer fails to adhere to the agreed payment terms, or interrupts or suspends payment, Luxor reserves the right to suspend any ongoing supplies and/or make the execution of the current order conditional on the payment of the outstanding debt. Luxor may also withdraw from any further contracts with the Customer and cancel any previously granted favourable conditions, such as discounts or free gifts.

**6.6** The Customer is not permitted to offset any claims they may have against Luxor with debts they owe to Luxor, unless formally authorised by Luxor

**7 EXPRESS TERMINATION CLAUSE - 7.1** Luxor may terminate the contract immediately if the Customer is undergoing bankruptcy or liquidation proceedings, as well as in the event that the Customer is subject to execution proceedings and/or protests and the economic conditions suggest the purchaser is insolvent.

**8 WARRANTY - 8.1** Luxor guarantees the conformity of the products supplied, free from defects that could make them unsuitable for their intended use. The guarantee may be invoked if the defect is due to

manufacturing errors or defects in raw materials that are the responsibility of Luxor.

**8.2** Unless otherwise expressly agreed, the guarantee lasts for one (1) year from the date of delivery. The Customer must make a written complaint within eight (8) days from delivery in the case of apparent defects, or, in the case of hidden defects, from the time of discovery and in any event not later than twelve (12) months from delivery.

**8.3** In the event of non-conforming products, Luxor may, at its discretion, provide the Buyer with replacement products of the same type and quantity free of charge ex works, after verifying the returned products. Any return must always be previously agreed and authorised by Luxor. The goods in question must be returned 'carriage paid' along with a note explaining the reason for the return within 30 days of Luxor's approval. Failure to do so will result in the authorization becoming invalid.

**8.4** If Luxor does not recognize the defective products upon verification, it will invoice those sent as replacements. If Luxor does not recognize the defective products upon verification, they will invoice the replacements. If Luxor is unable to replace defective products, they may issue a credit note to the customer for the value of the defective products. This does not imply any responsibility on Luxor for direct, indirect, or consequential damages resulting from or connected to the defects or faults of the products.

**8.5** It is important to note that this guarantee does not cover instances where the product has been installed, used or maintained in a manner that is contrary to the instructions and warnings provided in the installation, use, and maintenance manuals that were included with the product. Additionally, any installation or repair work should only be carried out by qualified personnel.

**8.6** The guarantee will not apply if the Purchaser breaches their contractual obligations.

**8.7** This warranty is the only warranty and replaces any other written, oral or implied warranties. By accepting these General Terms and Conditions, the Purchaser expressly waives any right of recourse arising from the sale and/or installation of the Products to a non-professional consumer.

**9. RESERVATION OF PROPERTY 9.1** The sale of Luxor S.p. A's Products is carried out under reservation of ownership. Therefore the products will remain the property of Luxor S.p.A. until the full payment of the price by the buyer.

**10 TRANSFER OF THE CONTRACT 10.1** It is forbidden to transfer the Contract and/or any interest, right and obligation connected to it to third parties without specific written approval by Luxor.

**11 PRIVACY - 11.1** The Customer confirms that they have read the information regarding the processing of their personal data, as required by Articles 13 and 14 of Regulation (EU) 2016/679 (GDPR) as amended. The information can be found at <https://luxor.it/privacy-policy>. By accepting these GTC, the Customer consents to the processing of their personal data.

**11.2** Luxor will process the personal data provided by the Customer, including through external parties, to fulfil legal obligations and carry out administrative and commercial tasks related to the contractual relationship.

**12 APPLICABLE LAW AND COURT OF JURISDICTION - 12.1** Contract is governed by Italian law. Anything not expressly governed by these GVCs shall be governed by the rules on sale provided for in articles 1470 et seq. of the Italian Civil Code.

**12.2** The Parties expressly exclude the application of the Vienna Convention on Contracts for the International Sale of Goods. Any disputes related to the Contract, including those regarding its validity, interpretation, execution, and termination, must be referred exclusively to the Court of Brescia.

**12.3** Luxor reserves the right to take legal action at the competent court of the Customer's location to recover any outstanding debts. The local law will apply in this case.

**13 FINAL CLAUSES - 13.1** The possible nullity and/or ineffectiveness of one or more provisions of these GTC shall not affect the validity of the Contract as a whole.

**13.2** Any amendment to the Contract shall be valid only if made in writing and signed by authorised representatives of both Parties.

The customer acknowledges that they are not a 'consumer' and therefore the provisions of law relating to relations between entrepreneurs and consumers do not apply. The customer declares that they have paid particular attention to the following clauses: Introduction (1.1), Orders (2.1-2.3), Prices (3.2), Delivery Terms (4.1-4.2), Shipping (5.1-5.3), and 6. The following sections require approval: Payments (6.2 - 6.3 - 6.4 - 6.5 - 6.6); 7 Express Termination Clause (7.1); 8. Warranty (8.1 - 8.2 - 8.3 - 8.4 - 8.5 - 8.6 - 8.7); 9. Retention of Title (9.1); 10. Applicable Law and Jurisdiction (12.1 - 12.2 - 12.3); 13 Final Clauses (13.1 - 13.2), and they are to be specifically approved.

These general terms and conditions are published on LUXOR's website (<https://luxor.it/>) where they may be consulted, thereby taking full and proper cognisance thereof, pursuant to and for the purposes of Articles 1341 and 1342 of the Civil Code.