CHARGE/DISCHARGE ADJUSTABLE VALVE

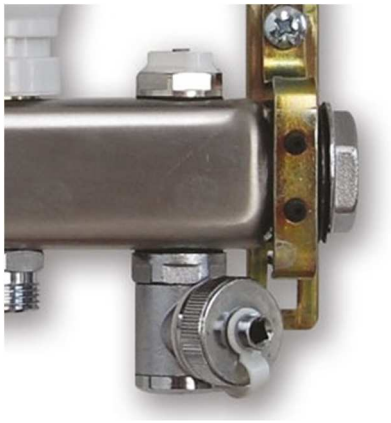
Application

The manual charge/discharge adjustable valve te-sa **Art. 285** has been designed and built to allow easy charging and discharging of the water contained in closed-circuit air conditioning systems. The main characteristics of this product can be highlighted in the possibility to rotate the exhaust connection's direction even with pressure in the system. In the micrometric opening of the exhaust outlet, which allows the flow of water to be modulated at inlet or outlet, in its set square shape that allows easy connections of discharge hoses even in case of uneven cassette assembly. Its main application is direct mounting on distribution manifolds for radiator systems or radiant panels, where thanks to its high flow capacity, combined with the possibility of controlling the discharge pressure, allows rapid filling of the system with relative total evacuation of the air present.

Its high reliability allows to carry out all the starting and maintenance operations of the plants even after long periods of operation.

Totally made of brass alloy without plastic parts, it can be subjected to high temperatures and operating pressures for long periods without experiencing performance loss. The chrome plating of both the external and internal parts prevents the deposit of impurities and lime scale that could lead to losses or difficulties in maneuvering the shaft.

Mounting and maneuvering



The charge/discharge adjustable valve **Art. 285** is installed on distribution manifolds or parts of the system simply by screwing it in completely until the self-sealing O-ring is compressed. Its conformation allows easy assembly with a 24 mm fixed wrench.

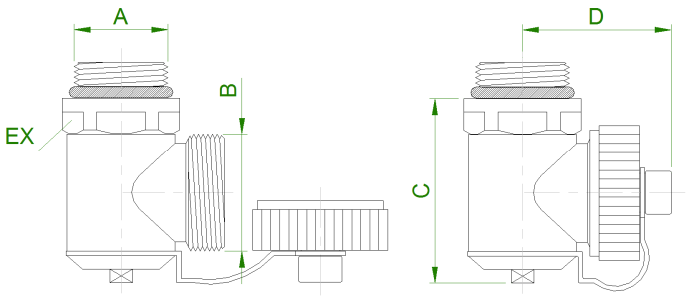
In the case of assembly on female threaded components with abundant flare in the opening, the compression of the valve self-sealing O-ring may not be sufficient, and consequently not ensure the hydraulic seal. In these cases, it is recommended to add a sealant on the thread, such as PTFE tape or, even better, semi-locking glue.

The valve opening and closing operation is carried out with simplicity using the drain plug, on which there is a 5 mm square recess, which corresponds to the end of the valve rod. After inserting the cap on the rod, if the rod is rotated counterclockwise, the valve opens, while by turning it clockwise the valve closes. The drain connection allows the connection of common hoses equipped with 3/4" threaded fittings.

Technical data

- Maximum operating pressure 10 bar
- Maximum operating temperature 100 °C
- Maximum percentage of glycol 30%
- Body in brass alloy CW617N UNI-EN12165 chrome plated
- Chromium-plated operating rod in CW614N UNI-EN12164 brass alloy
- Maneuvering rod is made with a 5 mm square key or by using the drain plug
- Self-sealing on the thread by means of a pre-assembled EPDM O-ring
- ISO228 male threads
- Swivel connection to facilitate the connection of loading or unloading hoses equipped with cap with safety gasket
- Micrometric opening of the drain with 4.5 turns of the rod

Dimensions



Art.	A	B	Cmax	D	EX
285-04	1/2"	3/4"	44	34	24