

## BOILER VALVE (cold water)

### OBJECTIVE

The objective of this product is to cut off the cold water flow in the heating system.

### APPLICATIONS

The application for which it has been designed is as an appliance valve, installed directly to the heating boiler. For any other application, please consult to our technical department.

### LEAK-TIGHTNESS SYSTEM

The leak-tightness system is by spherical shutter (ball) assembled between two PTFE seats.



COMPONENT	MATERIAL
Handle screw	Stainless steel 304
Handle	Aluminium alloy
Shaft	Brass
Shaft O-rings	NBR
Free nut	Brass
Lateral bonnet	Brass
Spherical shutter (Ball)	Brass
Seats	P.T.F.E.
Valve body	Brass

CODE	DN	Operating torque	R1	R2	INNER BOX	CARTON BOX	EAN
7846120000	15	≤7 Nxm	1/2" Male	1/2" Free nut	12 units	120 units	8435085511110

### TECHNICAL FEATURES

- Blue colour handle as a distinctive of cold water.
- Maximum working temperature: +95° C.
- Minimum working temperature: - 20° C.
- Operating torque: see the above table.
- Maximum working pressure: 16 bar.
- Although these valves have no predetermined flow direction, it is recommended that the inlet flow be by the male thread and the outlet flow be by the free nut.

### OPERATION

- To close the flow, turn the handle clockwise. Once closed, the handle must be perpendicular to the flow direction.
- To open the flow, turn the handle anticlockwise. Once opened, the handle must be parallel to the flow direction.
- To ensure the correct valve operation, it is absolutely necessary that the valve does not remain NEVER in intermediate positions of opening or closing under any reason.
- It is recommend realising opening and closing movements of the valve, along its 90 degrees of turn, once a month at least.

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### INSTALLATION

- For correct operation, water or fluids must be free of lime and solid particles that may obstruct or damage the leak-tight parts of the valve.
- It is mandatory to clean installation's pipes prior to the valve connection, guaranteeing inside the absence of strange elements which could damage the cutting off and leak-tightness system of the valve.
- Assemble the valve to network device or pipe using always suitable sealing elements and fittings for each type of valve. These fittings must carry out with regulations' and standards' specifications required by the current regulations. In case the fittings used require welding operations, DO NOT make such operations with the fitting connected to the valve, an excess of temperature could damage its vital parts of the sealing system. Also, be sure to remove all the fitting's parts that are rubber or liable to be damage in the welding process.
- Always assemble the valve to its connection ends designed for this purpose. DO NOT do it for the body, neck or handle.
- Check that connections are free of tensions, whether traction, compression, torque, bending or shearing.
- NEVER hit any part of the valve under any circumstances.
- DO NOT alter or modify any part of the valve or its components.
- Once the installation is finished, it is mandatory to carry out leaking tests required by the current regulations. These tests must always be prior to putting on service of the device or network.

### PERIODIC TESTS

- Maintenance operations are not required. It is only recommended realising opening and closing movements of the valve, along its 90 degrees of turn, once a month at least as described in the OPERATION section.
- During the life of the valve, leaking tests required by the current regulations must be carried out.
- Periodically check that the valve has a proper operation, mainly the opening and closing movements along its 90 degrees of turn.
- Also periodically check the general appearing of the valve, ensuring that there are not any damaged part.

### CAUTIONS

- Any deterioration or breakage of the valve or part of it requires complete replacement of the same one.
- Deterioration of any part of the valve means non-compliance of with the requirements of the Standards.
- Ensure that the valve is the suitable for the device or network to which we install and allows the flow required for the intended use.
- All the installation must be done in accordance with the existing code of good practice, local laws and approved national regulations.
- To check lacking of leaks in the installation, NEVER USE flames or any substance or product that is flammable or susceptible to fire or explosion.
- Do not use this valve for any other purpose than that one that the valve has been designed and manufactured, under any circumstance.