

PRESSURE RELIEF VALVES CL401-CL401C TYPE

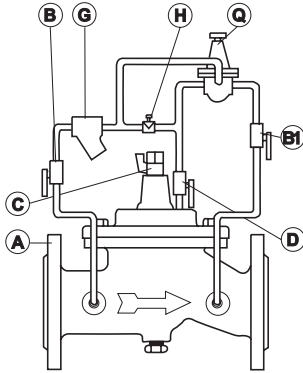
20/25 bar please consult with us

Valve Setting ranges:

- 0,14 to 2,41 bar. • 6,89 to 17,23 bar.
- 1,72 to 8,60 bar. • 13,78 to 27,57 bar.

Please indicate setting pressure in the order

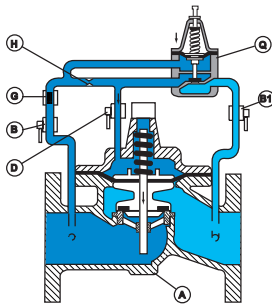
Pilot Circuit



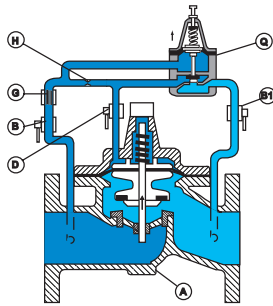
Part NO.	DESCRIPTION	MATERIAL
A	MAIN VALVE	CAST IRON
B	UPSTREAM ISOLATION VALVE	NICKEL PLATED BRASS
B1	DOWNSTREAM ISOLATION VALVE	NICKEL PLATED BRASS
C	DRAIN COCK	BRASS
D	ISOLATION VALVE	NICKEL PLATED BRASS
G	STRAINER	BRASS
H	ORIFICE-NEEDLE VALVE	STAINLESS STEEL
Q	PILOT VALVE	BRASS-BRONZE

Working principle

The principle is to have the main valve reproduce the movements of small sized pilot valve through the action of pressures.



As long as upstream pressure is below the setting pressure, the pilot valve is closed, upstream pressure pushes on the membrane of the main valve which remains closed.



As soon as upstream pressure increases over the setting pressure, the pilot valve opens, releasing pressure from above the membrane of the main valve which opens widely to drain the overpressure.



Installed on a by-pass on the system to be protected, this valve will open as soon as pressure of this system will reach the setting pressure. It will be open as long as this overpressure will be existing and will drain the resulting excess of water to a sewage system or a tank or a low pressure zone.

Provided with a checkvalve (CL401C) it closes automatically in case of backflow.

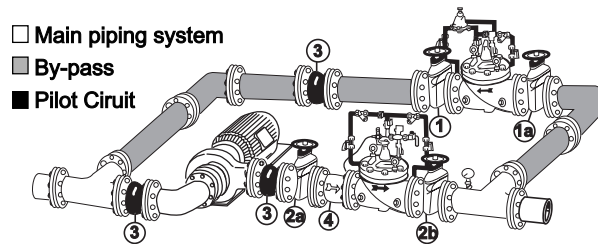
CL401 Type Installation Scheme

Other types

*CL 401M:
check valves+solenoid valves

*CL 401C: Check Valve

*CL 401S
two ways solenoid valve



1-1a-isolation valve of the by-pass
2a-2b isolation valves of the main water pipe

3- Rubber expansion joint
4- check valve

