



PRESSURE REDUCING VALVE

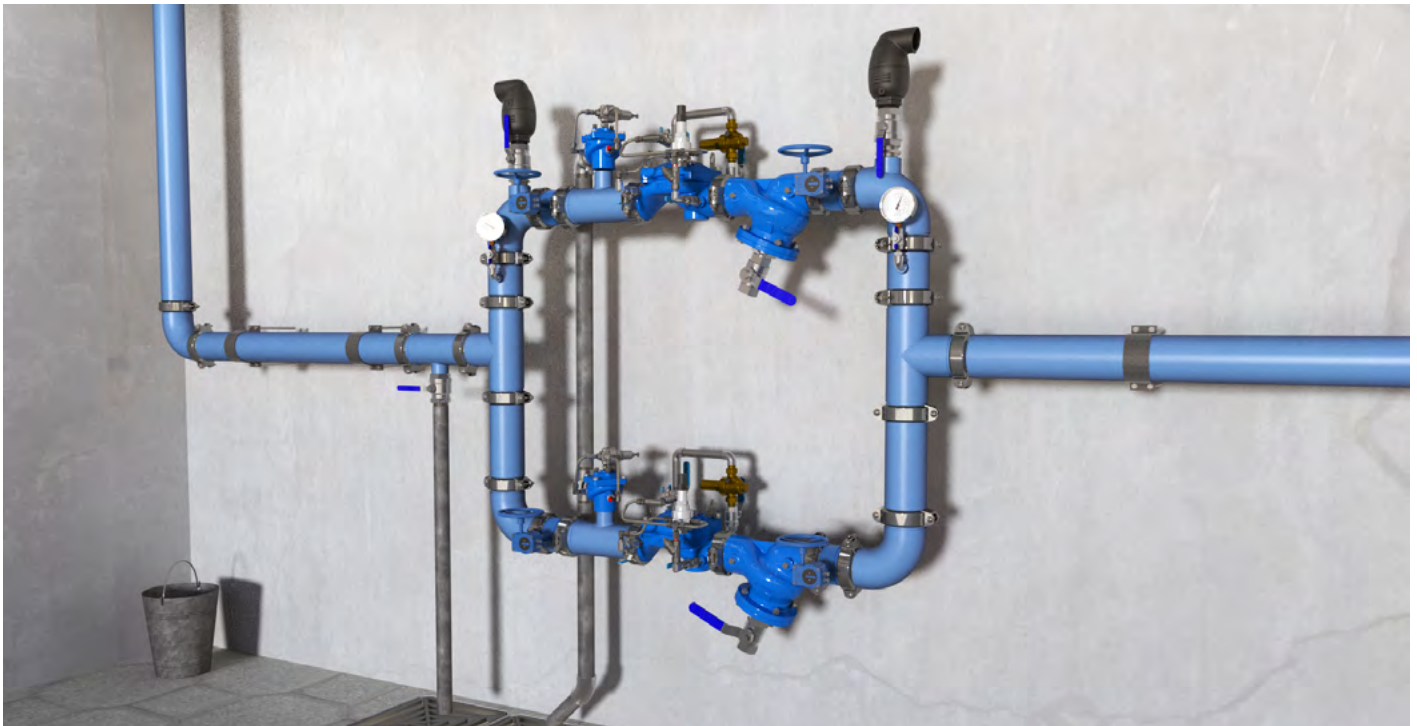
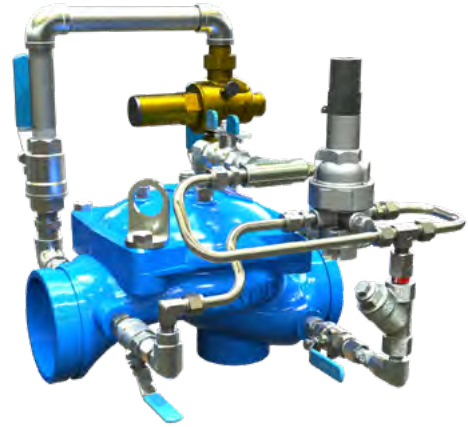
with Off-Peak Flows Bypass

Model 420-2B

Hydraulically operated, pressure reducing control valve that reduces higher upstream pressure to lower constant downstream pressure, regardless of fluctuating demand or varying upstream pressure.

the model includes an off peak flows by-pass regulated with a Direct Acting Pressure Reducing valve mounted on the valve body.

BERMAD 400 series valves are hydraulically operated, simple and reliable, globe valves with full bore hydrodynamic body providing an unobstructed flow path and superior performance. The valves balanced rolling-diaphragm assembly is vulcanized with a rugged radial seal disk construction, performing as the valves only moving part.



Pressure Reducing Station, featuring BERMAD 420-2B valves to reduce high incoming pressure to a lower downstream set-point, a redundant, parallel branch to minimize the possibility of total water shut-off. The embedded low flow by-pass saves on installation of another small

flow branch. For information on the other BERMAD products in this system please see the product data sheet for the BERMAD 43Q and BERMAD 70F.

Typical Application

- Pressure control of potable water supply lines in building operating under moderate conditions
- Excessive pressure protection of low-grade plastic supply lines in buildings
- Protection of main supply lines of high-rise buildings where the building's lower zones are exposed to excessive pressure
- In parallel, redundant and duty cycled branches where uninterrupted water supply systems are required
- When a single valve needs to service a wide range of flows

