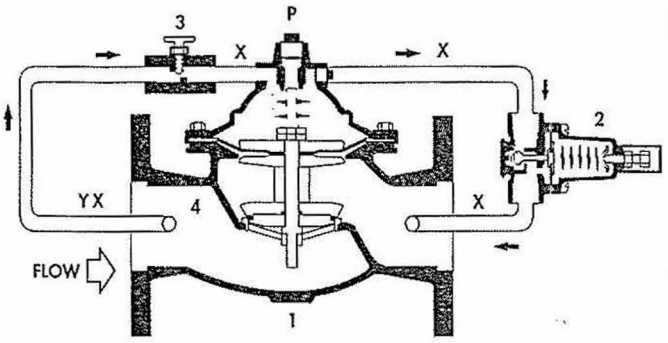
Model ZX 200

Pressure Reducing Valve

Features

- Modified globe design *(best configuration for accurate control)*
- Diaphragm actuated *(one moving part)*
- Hydraulically operated
- Frictionless operation *(no internal hysteresis)*
- Fully guided stainless steel stem
- Packless construction *(less maintenance)*
- Available in globe or angle pattern
- Baked-on epoxy inside and out *(Maximum Corrosion Protection)*



Flow Direction Shown:
Under The Seat Optional 'R' Flow, Over The Seat

Components
1- Basic Valve
2- Reducing Control Pilot
3- Needle Valve - Adjustable Closing Speed
4- Flo-Clean Strainer

Options
P- Position Indicator
X- Isolation Cocks
Y- Y Strainer (eliminates Flo-Clean)

CHECK VALVE INCLUDED

Description:

The ZX 200 Pressure Reducing Valve provides desired constant downstream pressure regardless of a changing flow rate or varying inlet pressure. This valve is hydraulically operated, single seated and controlled by a direct acting, spring loaded diaphragm pilot valve. It is extremely sensitive to changing downstream pressures and reacts to modulate the main valve to hold the downstream pressure accurately at the set point.

Setting the pressure to be maintained downstream is easily performed by turning the adjusting screw in the reducing control pilot.

Information needed when ordering

1- Size
2- Valve model number
3- Flow rates
4- Materials
5- End connections
6- Liquid to be controlled
7- Working temperature and pressure

Pressure Set Range

20 to 175 psig/140 to 1205 kPa	Std.
0 to 30 psig/0 to 210 kPa	also available
100 to 300 psig/690 to 2070 kPa	upon request

Valve Size / Inches (mm)	1-1/4" (32)	1-1/2" (40)	2" (50)	2-1/2" (65)	3" (80)	4" (100)	6" (150)
Max. Continuous Flow Rate							
USGPM	93	125	208	300	460	800	1800
LITERS/SEC	5.9	7.9	13.1	18.9	29.0	50.5	113.6
Max. Intermittent Flow Rate							
USGPM	115	158	260	370	570	1000	2300
LITERS/SEC	7.3	10.0	16.4	23.3	36.0	63.1	145.1

Note: Velocities in G.P.M. are equivalent to Flow in Ft./Sec. through schedule 40 pipe.

When a wide range of flow rates are possible, we recommend two ZX200 pressure reducing valves in parallel be used, a small valve to handle the low flows and a large valve to handle peak flows.

Note: Improper sizing of pressure reducing valves can result in problems. There are factors to consider such as the inlet pressure, outlet pressure and flow rates for the maximum and minimum design flows when applying a pressure reducing valve in the system.