

MODEL K800

Differential pressure Valve



The Model 80A Differential Pressure Valve is a hydraulically operated, pilot-controlled, modulating valve.

It is designed to maintain a constant pressure differential between any two pressure points in a system where the closing of the valve directly causes the differential pressure to increase. The valve tends to open on an increase in differential pressure and close on a decrease in differential pressure.

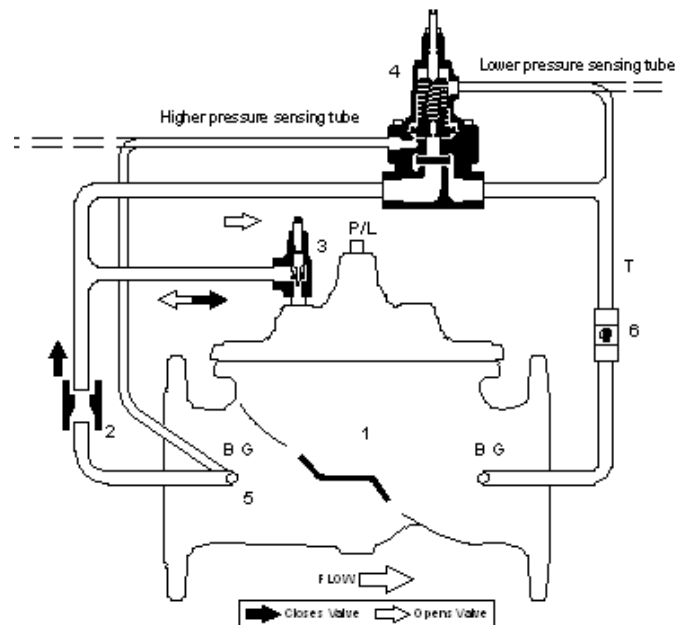
In operation, the valve is actuated by line pressure through a pilot control system sensing from two points across which a differential is to be maintained. Operation is completely automatic and pressure settings may be easily changed.

Standard Features

1. Main valve
2. Restriction
3. Needle valve
4. Differential pressure pilot
5. Strainer
6. Ball valve

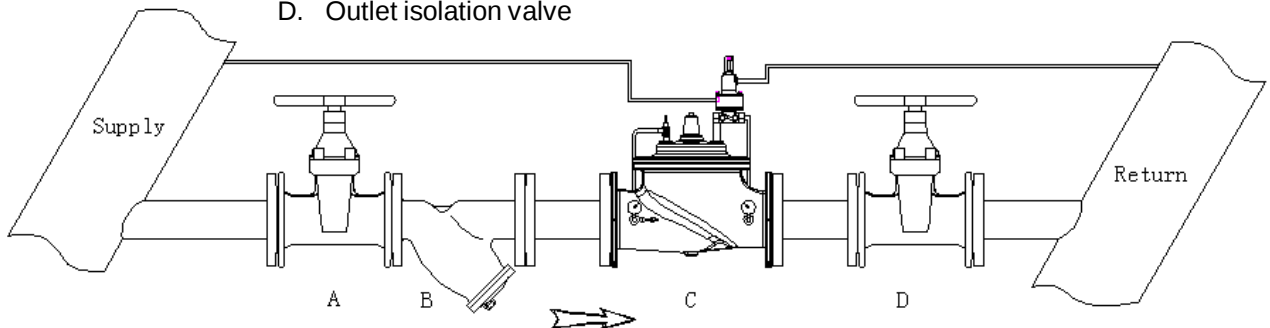
Optional Features

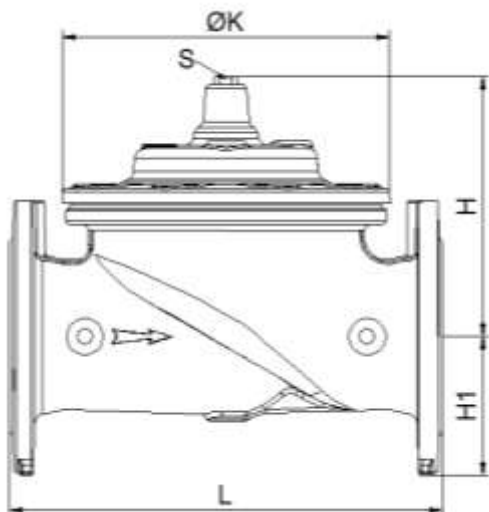
- B. Ball valve
- G Pressure Gauge
- P Position indicator
- L Limit switch



Typical Applications

- A. Inlet isolation valve
- B. Strainer
- C. Differential pressure valve
- D. Outlet isolation valve





DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	230	290	310	350	350	480	600	730	850	850	1100	1100	1250	1450
H	139	159	179	214	214	333	407	476	526	526	624	624	720	835
H1*	85	95	102	112	127	145	172	205	232	262	292	325	360	425
ØK	173	198	226	265	265	351	436	524	606	606	741	741	1002	1308
S	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	3/4"	1"	1"	1"	1 1/2"	1 1/2"	2"	2"
Weight (Kg)	14	19	23	32	45	68	125	200	260	310	560	620	880	1300

Component	Standard Material Combinations		
Body & Cover	Ductile Iron	Cast Stainless steel	Bronze
Available Sizes	DN50-600	DN50-150	DN50-150
Disc Retainer & Diaphragm Washer	Ductile Iron	Stainless steel	Bronze
Trim: Disc Guide, Seat	Stainless steel	Stainless steel	Bronze
Seal	NBR	EPDM	HNBR
Diaphragm	Nylon Reinforced NBR Rubber	Nylon Reinforced EPDM Rubber	Nylon Reinforced HNBR Rubber
Stem, Nut & Spring		Stainless steel	

* For material options not listed, consult factory.