

STANDARD EQUIPMENT

No	Description	Qty	Type
	DN 200 - DN 400 : Ø 19/22	2	
	DN 100 - DN 150 : Ø 15/18	2	
	DN 1 1/4" - DN 80 Ø 9/12	2	
	DN 1/2" - DN 1" Ø 4/6	1	
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01/KR
2	CONTROL LINES	1	

OPTIONAL FEATURES

No	Description	Qty	Type

NOTES

AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 600

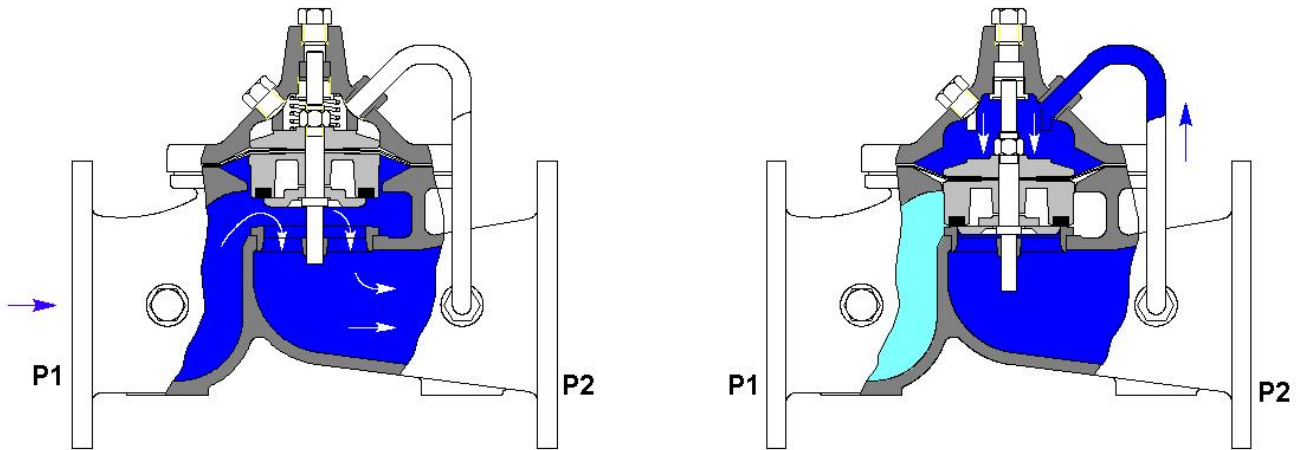
OPTIONAL FEATURES : _____
 NOT FURNISHED BY CLA-VAL : _____

► Operating data

1.1 ► SHUT-OFF VALVE

When the valve is normally operating, the differential between the inlet pressure P_1 and the outlet pressure P_2 is the differential pressure (P_1 higher than P_2) drop through the main valve (1). This differential is the force which pushes the diaphragm and disc assembly against the cover chamber and the main valve (1) opens gradually. If the inlet pressure P_1 is lower than the outlet pressure P_2 than the force pushed the disc against the seat and closes the valve (1).

1.2 ► OPERATING MODE



1.2.1 ► VALVE OPEN

In this case, the inlet pressure P_1 is higher than the outlet pressure P_2 . The force pushes the diaphragm and disc assembly against the cover chamber and opens the main valve (1). The main valve modulates until the complete opening position in response to changes in flow and pressure.

1.2.2 ► VALVE CLOSED

In this case, the inlet pressure P_1 is lower than the outlet pressure P_2 . The main valve (1) immediately responds and closes the main valve. The valve remains closed until the inlet pressure P_1 is again higher than the outlet pressure P_2 .