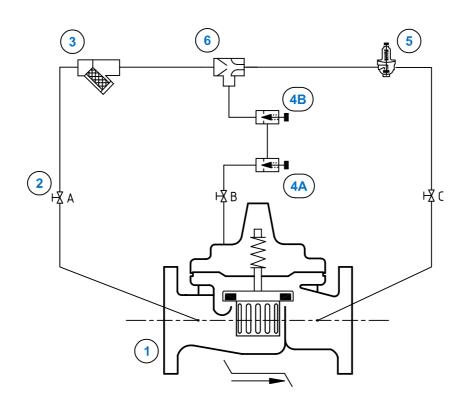




Pressure Reducing Valve with Anti-Cavitation Kit



STANDARD EQUIPMENT					
No	Description	Qty	Туре		
1	MAIN VALVE HYTROL-ACS AE/GE/NGE	1	100-01KO		
2	ISOLATION BALL VALVE	3	RB-117		
3	STRAINER	1	X43		
4B	ONE-WAY FLOW CONTROL (OPENING SPEED)	1	CV		
4A	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV		
5	PRESSURE REDUCING CONTROL	1	CRD		
6	EJECTOR	1	X47-A		

OPTIONAL FEATURES			
No	Description	Qty	Туре

	NOTES
AE/GE: DN 32 - DN 400 / NGE: DN 100 - DN 600	OPTIONAL FEATURES : NOT FURNISHED BY CLA-VAL :

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Operating data

1.1 ▶ PRESURE REDUCING FEATURE

Pressure reducing control CRD (5) is a "normally open" control that senses main valve (1) outlet pressure changes. An increase in outlet pressure tends to close control (5) and a decrease in outlet pressure tends to open control (5). This causes main valve cover pressure to vary and the main valve (1) to modulate (open and close) maintaining a relatively constant outlet pressure.

Pressure reducing control (5) adjustment: Turn the adjusting screw clockwise to increase the setting.

1.2 DPENING SPEED CONTROL

One-way flow control CV (4B) regulates the opening speed of main valve (1).

Flow control (4B) adjustment: Turn the adjusting screw clockwise to make the main valve open more slowly.

<u>Note</u>: Do not close flow control (4B) completely otherwise the main valve (1) will not close or open (suggested initial setting of needle valve is 1 turn open).

1.3 CLOSING SPEED CONTROL

One-way flow control CV (4A) regulates the closing speed of main valve (1).

Flow control (4A) adjustment: Turn the adjusting screw clockwise to make the valve close more slowly.

<u>Note</u>: Do not close flow control (4A) completely otherwise the main valve (1) will not close or open (suggested initial setting of needle valve is 1 turn open).

1.4 ▶ STANDARD EQUIPMENT

No (2) - Isolation ball valve:

The isolation ball valves RB-117 (2) are used to isolate the pilot system from main line pressure. These isolation ball valves must be open during normal operation.

No (3) - Strainer:

The strainer X43 (3) is installed in the pilot supply line to protect the pilot system from foreign particles. The strainer screen must be cleaned periodically.

1.5 CHECK LIST FOR PROPER OPERATION

	System valves open upstream and downstream.
	Air removed from the main valve cover and pilot system at all high points.
	Isolation ball valves (2) open.
	Periodic cleaning of strainer (3) is recommended.
	Flow control (4A) and (4B) open from 1 turn.

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