

PRESSURE REDUCING VALVE

MODEL NO. FH41-02-CV

DESIGN DESCRIPTION & APPLICATION

FH41-02-CV Pressure Reducing Valve automatically reduces the inlet line high pressure to the stable outlet low pressure in spite of the velocity of flow or the pressure variation. It is hydraulic pressure controlled by using a pilot controlled pressure adjuster to maintain the outlet pressure in a preset range. When the outlet pressure is over the preset range of the pressure reducing valve, the main valve and pilot will close to form a tight sealing.

If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted in the main valve cover chamber closing the valve to prevent return flow.

SPECIFICATION

Size: DN50 ~ DN400 to flange, DN50 to thread
 Flange: 10K, 16K, PN16, 150LB
 Working Temperature: 0°C ~ 100°C, Water
 Any size over DN450 can be made to order.

PILOT SPECIFICATION

Pressure Adjustment Range: 0.1~4 bar, 3~9 bar, 7~16 bar
 Working Temperature: 0°C ~ 100°C, Water
 Material: Brass / Stainless Steel

PARTS & MATERIALS

No	Parts	Materials
1	Strainer	
2	Close Speed Control	
3	Check Valve (Optional)	
4	Ball Valve	Body Ductile Iron / Stainless Steel
5	Ball Valve	Accessory Brass / Stainless Steel
6	Pressure Reducing Pilot	Fastener & Spring Carbon Steel / Stainless Steel
7	Check Valve (Optional)	Diaphragm NBR / EPDM
8	Ball Valve	Stem Stainless Steel

DIMENSION

Size (DN)	L (mm)	H (mm)	Weight (kg)
50 (Tr)	184	123	6
50	205	155	11
65	229	182	13
80	250	186	22
100	320	242	37
125	370	276	46
150	415	308	75
200	500	418	125
250	605	488	217
300	725	572	370
350	733	598	380
400	990	815	846



- Responsive, accurate pressure control
- Easy adjustment & maintenance
- Reliable and excellent sealing

