



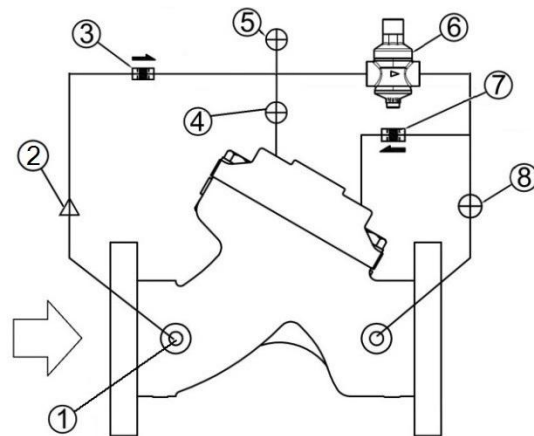
- Sensitive, accurate pressure control
- Easy adjustment & maintenance
- Reliable and excellent sealing

Model 41-02 pressure reducing valve can automatically reduce the inlet 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.

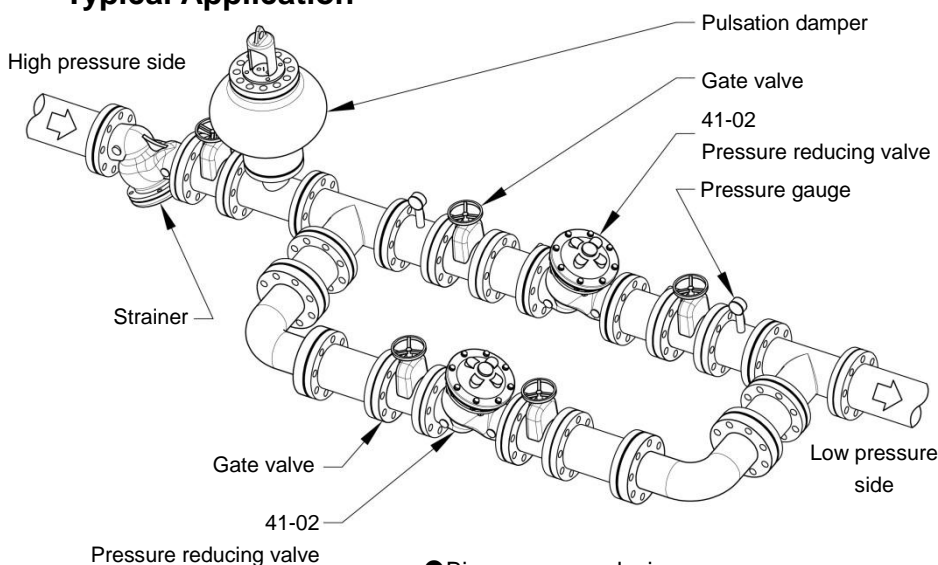
## Accessories

No.	Parts Name
1	Strainer
2	Close Speed Control
3	Check Valve(Optional)
4	Ball Valve
5	Ball Valve
6	Pressure Reducing Pilot
7	Check Valve(Optional)
8	Ball Valve

## Schematic Diagram



## Typical Application



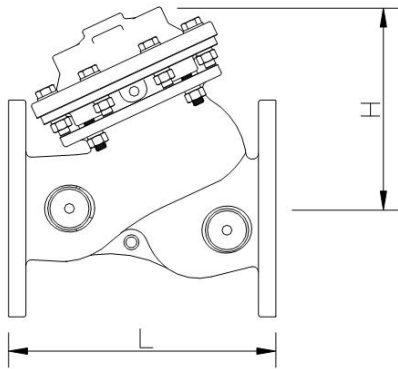
### ● Big flow rate range needed

Suggest using two parallel 41-02 pressure reducing valves. During big flow rate, two valves can operate together; during lower flow rate, the big size PRV will automatically shut down and the small size PRV continually provide needed flow rate. When presetting the valve adjustment range, preset the pressure value of small size 0.3 bar higher than that of big size of PRV.

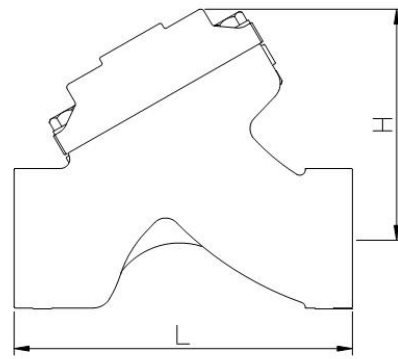
### ● Big pressure reducing range

Suggest using several parallel 41-02 pressure reducing valves to reduce the pressure step by step to reach the requirement, so that it can avoid noise, vibration and air etching problems.

## Dimension



DN50~DN400 Flange



DN50 Thread

Valve size	50 Tr	50	65	80	100	125	150	200	250	300	350	400
L(mm)	184	205	229	250	320	370	415	500	605	725	733	990
H(mm)	123	155	182	186	242	276	308	418	488	572	598	866
Weight(kg)	6	11	13	22	37	46	75	125	217	370	380	846

### Notice :

- ※When installing the valve, strongly request to leave enough space for maintenance. It is necessary to install the filter at the front section of the valve to avoid foreign materials to block the valve and affect the operation of the valve.
- ※King-Tech reserves the right to make any revisions on the valve model and size without prior notification.
- ※When making any design drawing, installation drawing or construction drawing, please do get our approved CAD with our signature, or we will not be responsible for any mistake.

### Specification

Size : DN50~DN400 to flange  
 DN50 to Thread  
 Flange : 10K、16K、PN16、150LB  
 Temp. range : 0°C~100°C · water  
 ※Any size over DN450 can be made to order.

### Material

Body : Ductile Iron / Stainless steel  
 Accessory : Brass / Stainless steel  
 Fastener & Spring : Carbon steel / Stainless steel  
 Diaphragm : NBR / EPDM  
 Stem : Stainless Steel

### Pilot Specification

Pressure adjustment range : 1~4 bar、3~9 bar、7~16 bar  
 Temp. range : 0°C~100°C · water  
 Material : Brass / Stainless steel

### When Ordering, Please Specify

- |                      |                        |
|----------------------|------------------------|
| 1、Valve model number | 4、Connection type      |
| 2、Valve size         | 5、Other optional parts |
| 3、Pressure range     | 6、Working pressure     |

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### Distributor