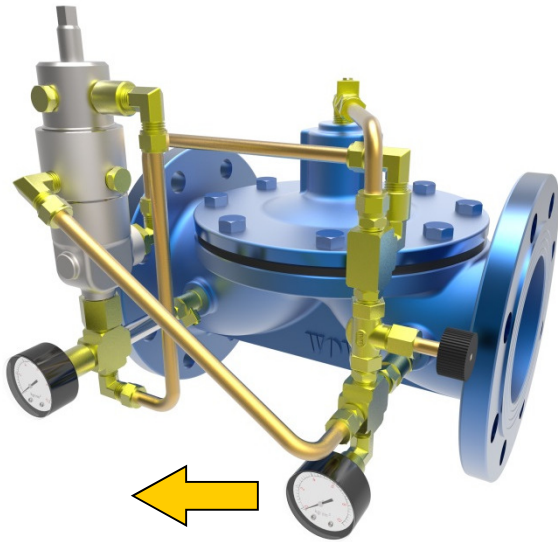




Differential Pressure Sustaining Valve

Model: **47-09**



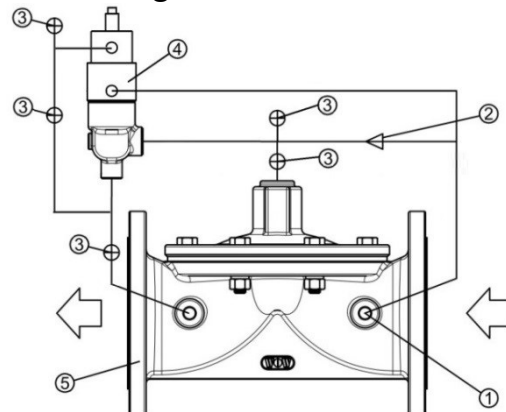
- **Accurate differential pressure control**
- **Reliable & excellent sealing**
- **Reliable fully-liquid pressure control**
- **Larger flow rate**
- **Completely automatic operation**

Model 47-09 differential pressure sustaining valve is a fully automatic and liquid-pressure control valve. Using the pressure difference between two pipes controls the pressure difference not to over the acceptable range of the system during valve operation or flow rate variety. The valve will automatically open when pressure difference is increased, and will automatically close when pressure difference is decreased. So that it can maintain the pressure difference between two pipes.

Accessories

No.	Parts Name
1	Strainer
2	Needle valve / Ball valve
3	Ball valve
4	Pilot
5	Basic valve body

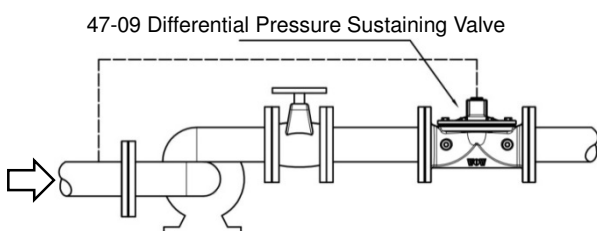
Schematic Diagram



Typical Application

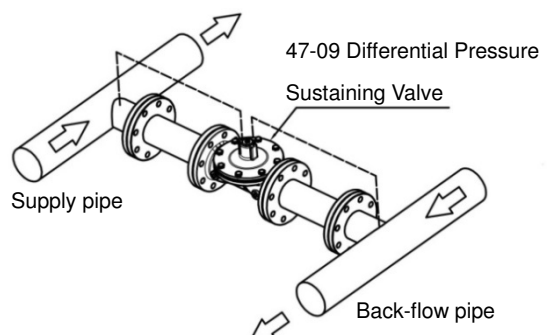
● Protection pump

47-09 differential pressure sustaining valve can maintain the pressure difference of the flow through the pump either the water supply at the upstream or the variety requirement at the downstream. It can steadily maintain and control stable pressure difference at both sides of the pump. So that it can control the flow rate to prevent the damage caused by overload or air etching when the pump is over demanded.

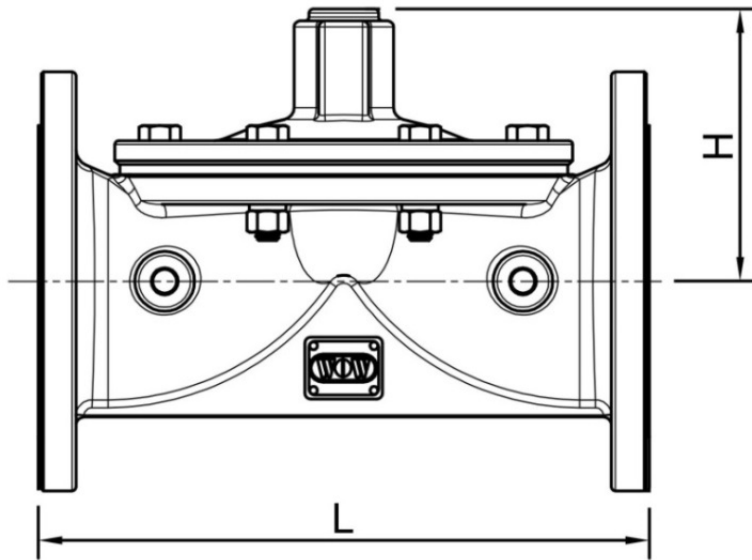


● Bypass

47-09 differential pressure sustaining valve can be used in the circular system to ensure the pressure difference between the supply pipe and the back-flow pipe. In the filter system (bypass), the pressure difference will enlarge when the filter is blocked. By using a model 47-09, the valve will open to compensate the flow rate at the after end to avoid damaging the system.



Dimension



Valve size	50	65	80	100	125	150	200	250	300
L(mm)	200	220	285	307	370	390	500	605	650
H(mm)	87	109	115	137	142	164	183	244	258
Weight(kg)	7	9	16	18	37	48	83	120	140

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~DN300 to flange
 Flange : 10K、16K、PN16、150LB
 Temp. range : 0°C~100°C · water
 ※Any size over DN350 can be made to order.

Material

Body : Iron casting / Stainless steel
 Accessory : Brass / Stainless steel
 Fastener : Carbon steel / Stainless steel
 Diaphragm : NBR / EPDM

Pilot Specification

Adjustable pressure range : 0.1~4 bar、3~9 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 |

King-tech Valve Precision Industry Inc.



www.kingtech-sb.com
 E-mail: sb.wow@msa.hinet.net

1F, No. 47, Lane 127, sect 2, North Xinsheng Road Taipei



Distributor