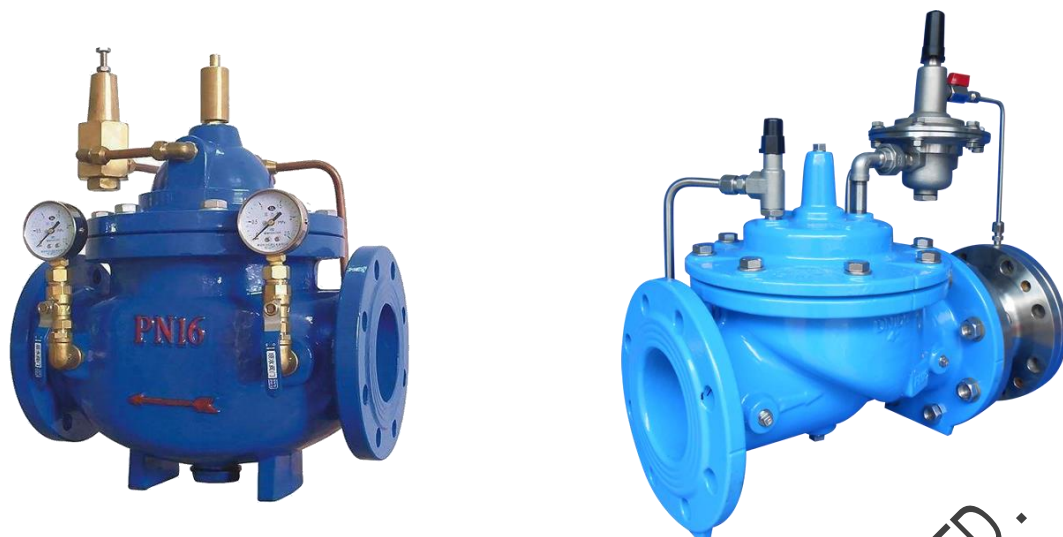


## 400X FLOW CONTROL VALVE



### GENERAL

400X flow control valve is one type of multi-function valve by adopting high-precision pilot way to control flow. It is applicable to distribution pipe needing flow and pressure control, to keep preset flow not change, limit too big flow to certain preset one, and reduce upstream pressure properly. So that the main valve downstream flow will not be affected even though the main valve upstream pressure has changed. The valve doesn't like the normal throttle valve which adopts orifice or purely mechanical ways to reduce the flow area, but it uses relevant pilot valve. As a result, the valve could reduce mostly the energy loss during the throttling process. In case of emergency, the 400X flow control valve can cut off the flow fully to avoid loss.

400X flow control valve is high sensitive, safe and reliable, convenience adjust, and long service life. It is applicable to be mounted on the pipeline sizes  $\leq$  DN600.

### FEATURES

Nominal pressure: ANSI 125/150LB, PN1.0/PN1.6MPa/PN2.5MPa

Size: 3/4" ~ 24" (20 ~ 600mm)

Materials: cast iron, ductile iron, cast steel, stainless steel, brass, bronze

Quality assurance: ISO 90001

Design: Q/FSF-2014

Face to face: Q/FSL-2014

Flanged ends: GB/T 17241.6, GB/T 9113, ASME B16.1 / B16.5, DIN2532-2534, DIN2542-2544

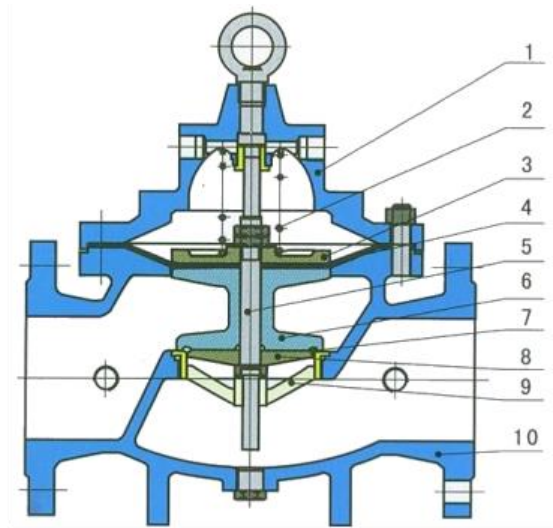
Inspection and Test: GB/T 13927, API 598

Applicable medium: water, sewage, sea water, air, corrosive liquids

Applicable temperature: 0°C~+80°C (higher temperature is available upon request)

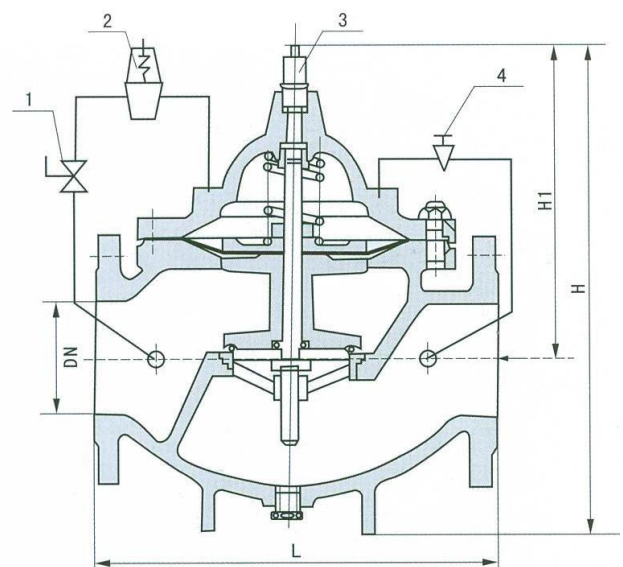


**LUOKAI**  
WE MAKE FLOW BETTER



### MAIN PARTS AND MATERIALS

Item	Part	Material
1	Bonnet	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
2	Spring	Spring Steel, Stainless Steel
3	Diaphragm Pressure Pad	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
4	Diaphragm	NBR+Nylon, EPDM+Nylon
5	Stem	A182-F6a, A276 420
6	Disc	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel, Brass
7	O-ring	NBR, EPDM
8	O-ring Pressure Pad	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
9	Seat	Copper Alloy, Stainless Steel
10	Body	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel



1. Ball Valve 2. Pilot Valve 3. Flow Regulator 4. Needle Valve

Shanghai Luokai Industrial Co., Ltd.

Add: No. 218 Huting Road(N), Shanghai, China 201615

Tel: +86 21 5603 2171

Fax: +86 21 3325 0914

E-mail: sales@lokvalve.com

www.lokvalve.com

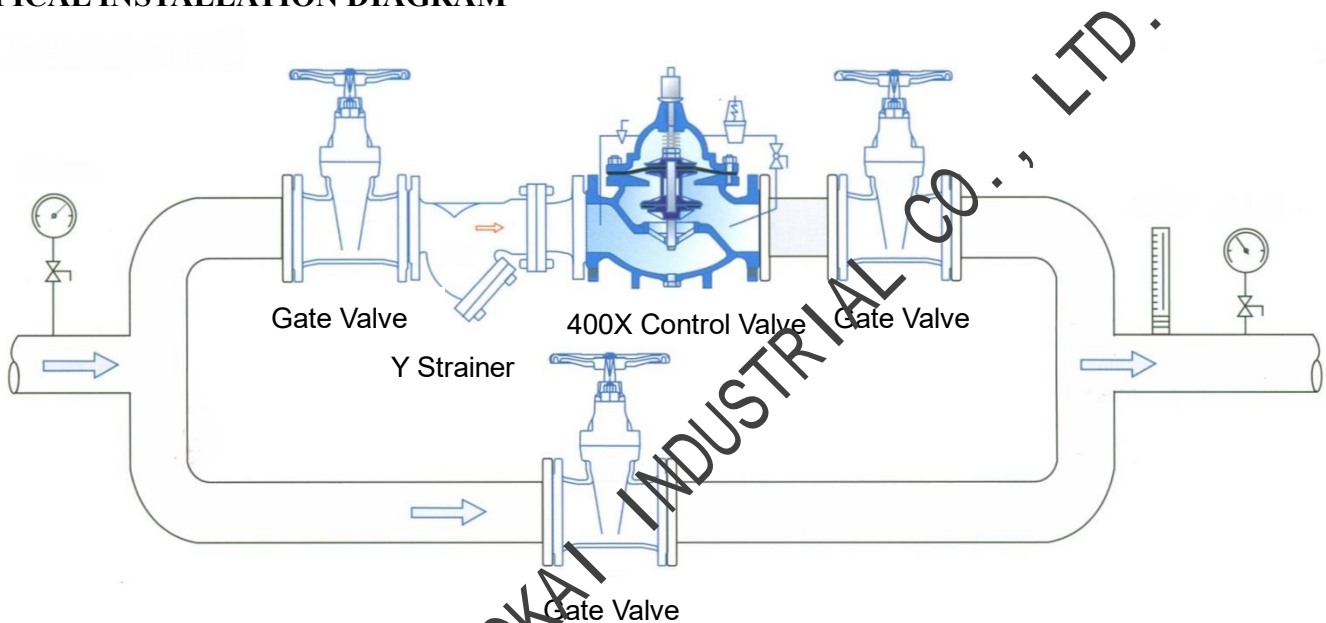


**LUOKAI**  
WE MAKE FLOW BETTER

## MAIN CONNECTION DIMENSIONS

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978		
				190	200	215	241	270	200	330	400	480	550	622	685	750	811	935
					220	230	300	340	350	400	450	550	640	700	800	840	900	1100
					230	290	310	350	350	480	600	730	850	850	1100	1100	1250	1450
H1	179	179	179	210	210	215	245	305	365	415	510	560	658	696	735	735	778	873
H	342	342	342	395	395	405	430	510	560	585	675	730	760	840	910	910	1096	1096

## TYPICAL INSTALLATION DIAGRAM



### NOTES:

As we are constant endeavoring to improve the performance of our equipment.

The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.

Shanghai Luokai Industrial Co., Ltd.

Add: No. 218 Huting Road(N), Shanghai, China 201615

Tel: +86 21 5603 2171

Fax: +86 21 3325 0914

E-mail: sales@lokvalve.com

www.lokvalve.com