

ANSI FLANGED PRESSURE REDUCING VALVE

Type: SK720X

Doc No: DS-901-SK720-01-E-S

1.0 PRODUCT OVERVIEW

Pressure reducing valve is a diaphragm hydraulic control valve driven by the hydraulic pressure of the pipeline itself. The hydrostatic pressure and dynamic pressure of the outlet are stable at the set value regardless of the fluctuation of the inlet pressure or the change of the outlet flow rate. The outlet pressure can be adjusted within a certain range to meet clients' requirement.



Dimensions:

2"(DN50)-16"(DN400)

Design Standard:

CJ/T 219, CJ/T 256, JB/T 10674, ASME B16.1 CL 125

Connection Standard:

ASME B16.1 CL 125

Working Pressure:

300PSI, 250PSI, 200PSI, 175PSI

Application:

The flanged pressure reducing valve is mainly applied in the waterworks system, working temperature is from 0°C to 80°C

Material of Matching Products:

Flange to ASME B16.1 CL 125

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

Surface Treatment:

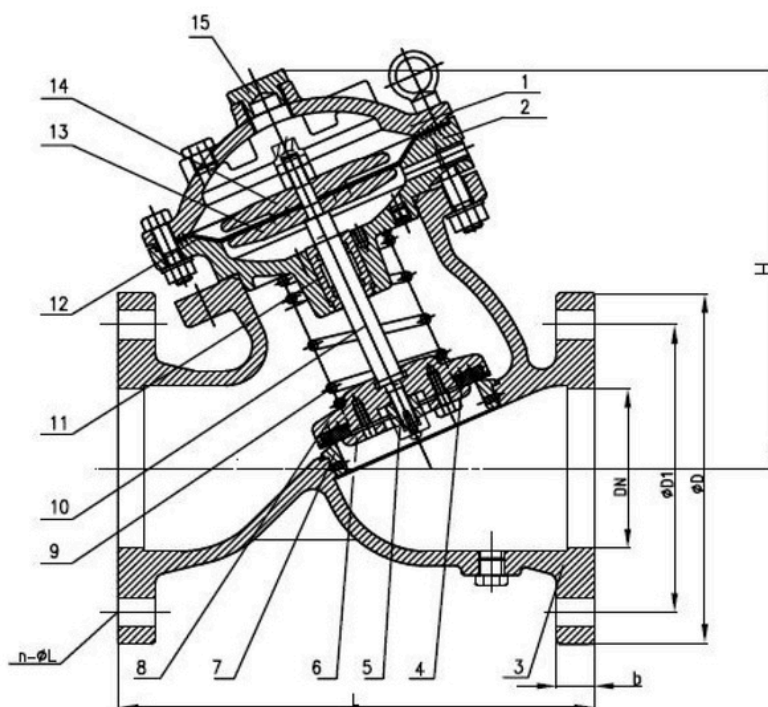
- ☐ Epoxy power painting (color numbers as RAL5015, RAL5005, etc)
- ☐ Painting (color numbers as RAL5005, etc)
- ☐ Others would be available upon clients' detailed request

2.0 APPROVALS



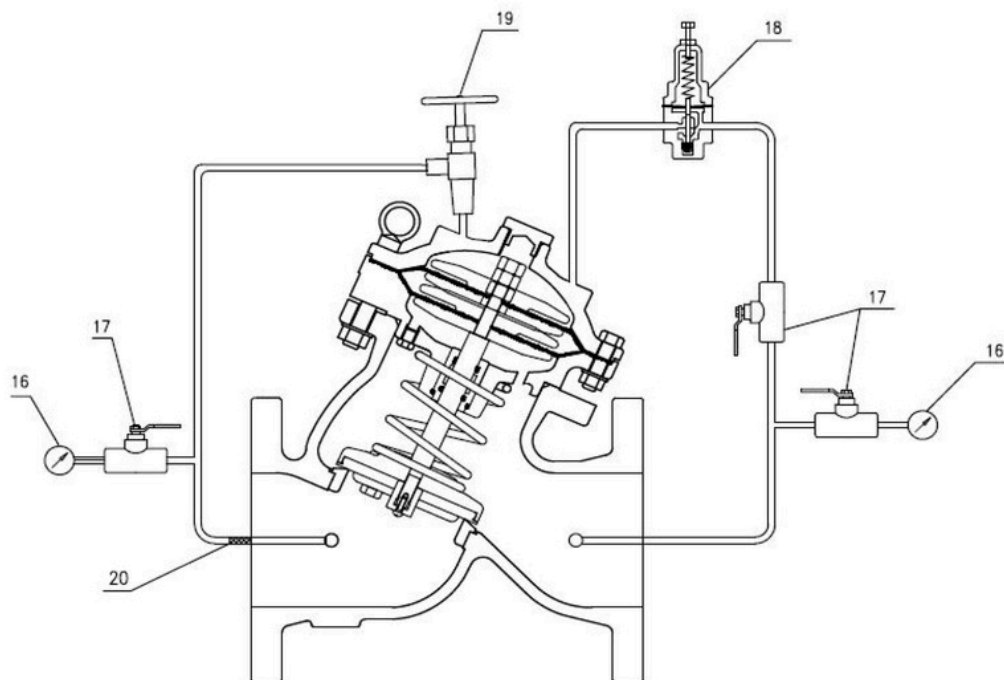
3.0 SPECIFICATIONS

Product Sketch:



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Part No.	Part	Standard Specification	Options
1	Up Bonnet	ASTM A536,65-45-12	
2	Middle Bonnet	ASTM A536,65-45-12	
3	Valve Body	ASTM A536,65-45-12	
4	Main Gasket	EPDM	
5	Disc head	ANSI 304	
6	Gland of Main Disc	ASTM A536,65-45-12	
7	Seat	ANSI 304	
8	Main Disc	ASTM A536,65-45-12	
9	Spring	ANSI 304	
10	Stem	ANSI 304	
11	Bushing	C89833	
12	Diaphragm	EPDM	
13	Bottom Gland	ASTM A536,65-45-12	
14	Up Gland	ASTM A536,65-45-12	
15	Cap Plug	C89833	
16	Pressure Gauge		
17	Ball Valve		
18	Pilot Valve		
19	Needle Valve		
20	Built-in Strainer		

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4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

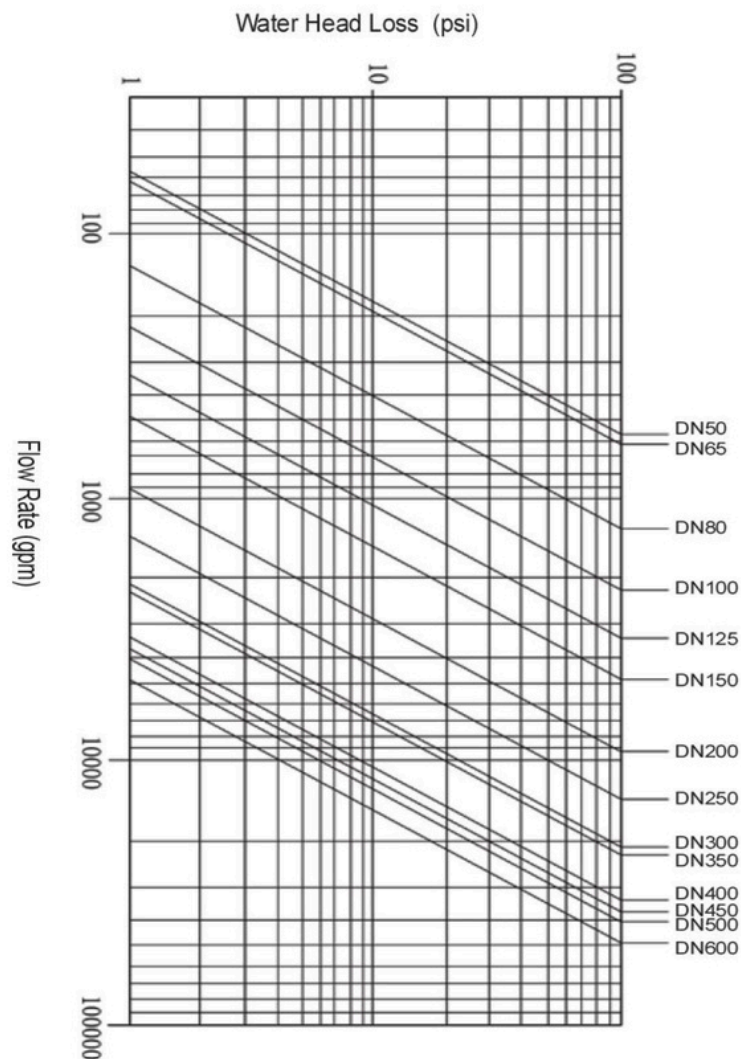
DN		Dimensions (mm)					
Inch	mm	L	H	D	D1	b	n-ΦL
2"	50	206	170	152	120.5	16	4-Φ19.1
2.5"	65	211	195	178	139.5	17.5	4-Φ19.1
3"	80	249	215	191	152.5	19	4-Φ19.1
4"	100	320	255	229	190.5	24	8-Φ19.1
6"	150	414	360	279	241.5	25.5	8-Φ22.2
8"	200	500	450	343	298.5	28.5	8-Φ22.2
10"	250	605	550	406	362	30.5	12-Φ25.4
12"	300	724	645	483	432	32	12-Φ25.4
14"	350	734	700	533	476	35	12-Φ28.5
16"	400	991	790	597	540	36.5	16-Φ28.5

4.2 KV rates

DN	50	65	80	100	125	150	200	250	300	350	400
Kv	41	53	105	175	285	402	730	1160	1400	1770	3010

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5.0 REFERENCE MATERIALS

Approved certification for Pressure Reducing Valve

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