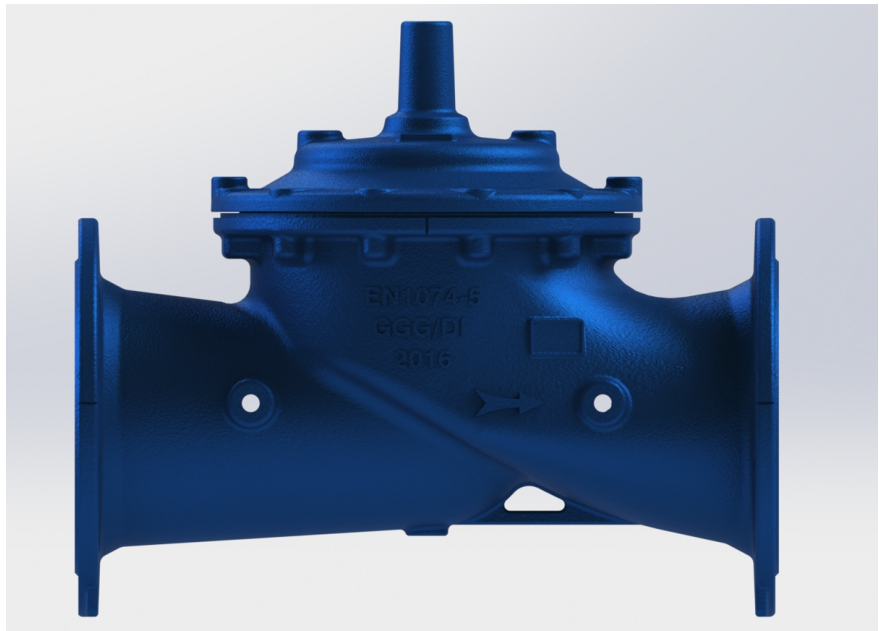


R900 Automatic Control Valve - Reduced Bore

The R900 series of automatic control valves are Basic Reduced Bore Valves to provide hydraulically driven solutions to pressure, flow and level control applications.

Features:

- Top and seat ring guided stem and diaphragm assembly for long life and reliability.
- All iron components are fusion epoxy bonded for corrosion resistance.
- Easy maintenance without removal from the main line.
- Nylon reinforced diaphragm for long term service.
- Drip tight shut off.
- Globe design for superior control characteristics.
- Ductile iron bodies for higher strength and durability.
- Corrosion resistant stainless steel seat and disc retainer ring.
- Various pilots and accessories available for configuration into many different applications.
- Special V-Port and double chamber are options, please consult factory.
- Meet standards BS EN 1074-5, ISO 5208, BS EN 12266-1, BS EN 558-1,



Technical Data:

Size Range: DN80–DN1000

Pressure Ratings:

1.0Mpa/1.6Mpa/ 2.5MPa

Working Temperature: -10°C- 80°C

Suitable Media: Water

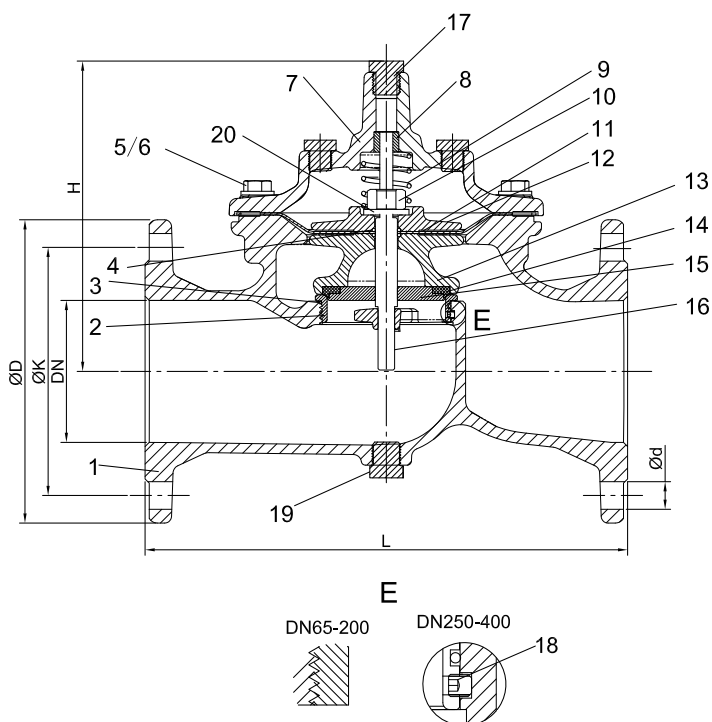
End connection: PN 10/ PN 16/ PN 25 Consult

Factory for other applications

General Application:

For pressure, flow and level control in water applications.

R900-Main Valve DN80-DN400



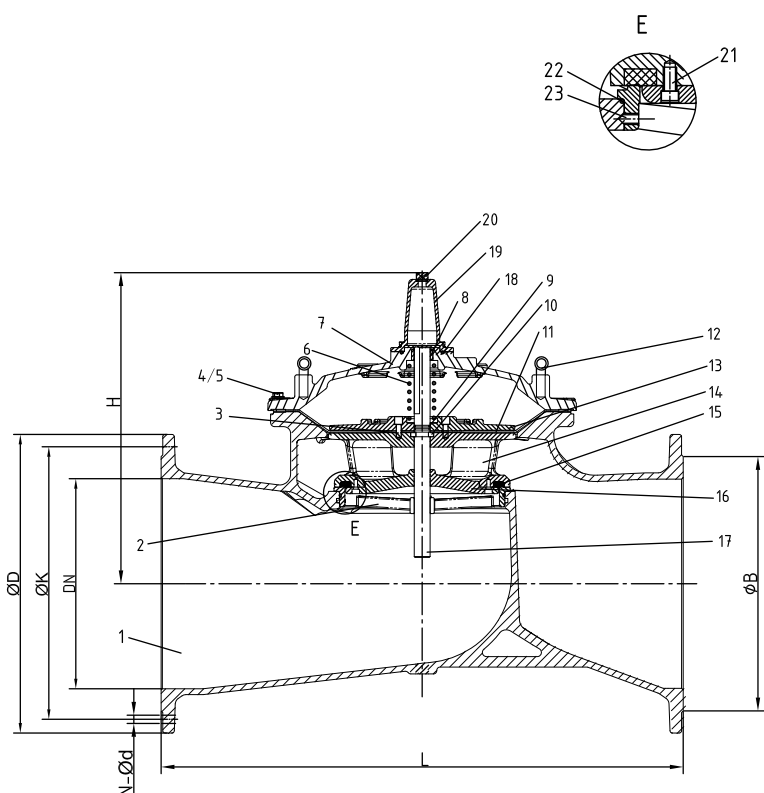
Parts List

No.	Description	Material	Standard
1	Body	Ductile Iron	GJS 500-7
2	Seat	Stainless Steel	AISI 304/316
3	O-ring	Rubber	NBR
4	O-ring	Rubber	NBR
5	Bolt	Stainless Steel	A2/A4
6	Washer	Stainless Steel	A2/A4
7	Bonnet	Ductile Iron	GJS 500-7
8	Bush	Bronze	C61900
9	Spring	Stainless Steel	AISI 304/316
10	Caulking Nut	Stainless Steel	A4
11	Diaphragm	Nylon Reinforced Rubber	EPDM +Nylon Fabric
12	Fixing holder	Ductile Iron	GJS 500-7
13	Disc Holder	Ductile Iron	GJS 500-7
14	Seal	Rubber	EPDM
15	Seat Retainer	Stainless Steel	AISI 304/316
16	Stem	Stainless Steel	AISI 304/316
17	Plug	Stainless Steel	AISI 304/316
18	Screw	Stainless Steel	A2/A4
19	Plug	Stainless Steel	A2/A4
20	Washer	Stainless Steel	A2/A4

Dimension:

DN	Model Code	L	ØD			ØK			H	N-Ød			ØB		
			PN10	PN16	PN25	PN10	PN16	PN25		PN10	PN16	PN25	PN10	PN16	PN25
80	R900-0080	310	200	200	200	160	160	160	182	8-Ø19	8-Ø19	8-Ø19	Ø132	Ø132	Ø132
100	R900-0100	350	220	220	235	180	180	190	225	8-Ø19	8-Ø19	8-Ø23	Ø156	Ø156	Ø156
125	R900-0125	400	250	250	270	210	210	220	243	8-Ø19	8-Ø19	8-Ø28	Ø156	Ø156	Ø156
150	R900-0150	480	285	285	300	240	240	250	243	8-Ø23	8-Ø23	8-Ø28	Ø211	Ø211	Ø211
200	R900-0200	600	340	340	360	295	295	310	354	8-Ø23	12-Ø23	12-Ø28	Ø266	Ø266	Ø274
250	R900-0250	730	405	405	425	350	355	370	440	12-Ø23	12-Ø28	12-Ø31	Ø319	Ø319	Ø330
300	R900-0300	850	460	460	485	400	410	430	490	12-Ø23	12-Ø28	16-Ø31	Ø370	Ø370	Ø389
350	R900-0350	980	520	520	555	460	470	490	550	16-Ø23	16-Ø28	16-Ø34	Ø429	Ø429	Ø448
400	R900-0400	1100	710	580	580	620	515	525	550	16-Ø28	16-Ø31	16-Ø37	Ø480	Ø480	Ø503

R900-Main Valve DN450-DN1000



Parts List

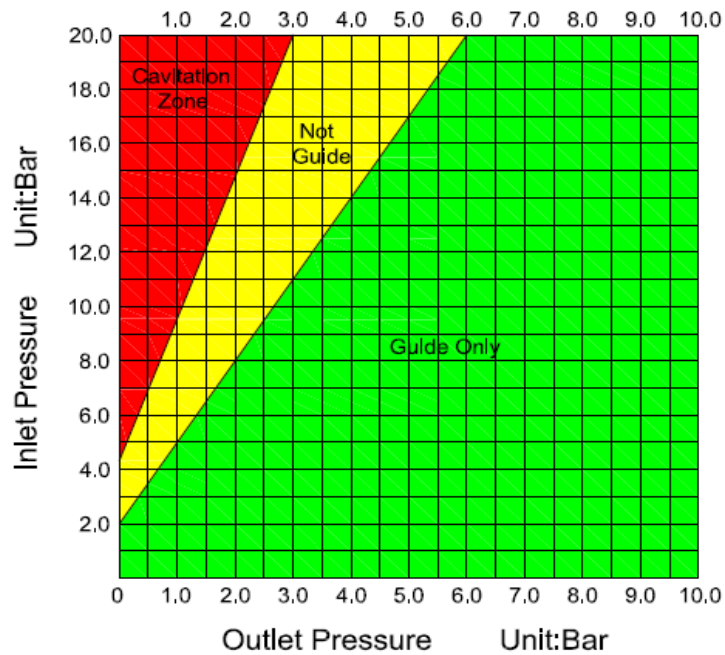
No.	Description	Material	Standard
1	Body	Ductile Iron	GJS 500-7
2	Seat	Stainless Steel	AISI 304/316
3	Screw	Stainless Steel	A2/A4
4	Screw	Stainless Steel	A2/A4
5	Screw	Stainless Steel	A2/A4
6	Spring	Stainless Steel	AISI 304/316
7	Bonnet	Ductile Iron	GJS 500-7
8	Bush	Bronze	C61900
9	O-ring	Rubber	NBR
10	Fix Washer	Bronze	C61900
11	Diaphragm	Nylon Reinforced Rubber	EPDM +Nylon Fabric
12	Eye Bolts	Carbon Steel	1040
13	Fixing Holder	Ductile Iron	GJS 500-7
14	Disc Holder	Ductile Iron	GJS 500-7
15	Seal	Rubber	EPDM
16	Seal Retainer	Ductile Iron	GJS 500-7
17	Stem	Stainless Steel	AISI 304/316
18	O-ring	Rubber	NBR
19	Cap	Ductile Iron	GJS 500-7
20	Plug	Stainless Steel	AISI 304/316
21	Screw	Stainless Steel	A2/A4
22	O-ring	Rubber	NBR
23	Screw	Stainless Steel	A2/A4

Dimension:

Unit: mm

DN	Model Code	L	H	ØD			ØK			N-Ød			ØB		
				PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
450	R900-0450	1200	720	640	640	670	565	585	600	20-Ø28	20-Ø31	20-Ø37	530	548	548
700	R900-0700	1650	910	910	910		840	840		24-Ø31	24-Ø37		682	720	
800	R900-0800	1850	920	1025	1025		950	950		24-Ø34	24-Ø40		901	901	
900	R900-0900	1850	1260	1125	1125		1050	1050		28-Ø34	28-Ø40		1001	1001	
1000	R900-1000	1850	1260	1125	1125		1050	1050		28-Ø34	28-Ø40		1001	1001	

Cavitation



Ordering Code

RXXX-0200-16-YYY

Model:

- R100: Remote Float Valve
- R200: Pressure Reducing Valve
- R300: Slow Control Check Valve
- R400: Flow Control Valve
- R500: Pressure Relief/Sustaining Valve
- R600: Solenoid Control Valve
- R70D: Pump Control Valve
- R800: Pressure Differential Valve
- R900: Main Valve

YYY: Special Code
Please Consult Factory

Pressure Rating:

- 10: PN10
- 16: PN16
- 25: PN25
- A1: ANSI 125 F/F
- A5: ANSI 150 R/F

Size:

- 0080: 80 mm
- 0200: 200 mm