

Pneumatic diaphragm valve MV303

Standard Chemical-type



MV303 is a type of standard chemical grade pneumatic diaphragm valve, which has the new design of smooth runner for superior performance for big flow and the overall mechanical mechanism is more optimized. This type of valves has high performance applications for water and chemical with PN10 pressure rate.

Easy installation and maintenance

- * The design with a protective cover for position feedback is suitable for outdoor and harsh environments
- * Integrated visual position feedback and easy to observe
- * Built-in mounting base of pilot-operated solenoid valve for quick installation
- * All-plastic appearance is beautiful and corrosion resistant
- * Same sizes and installation length as international brands products
- * Super lubricating property, maintenance-free
- * The direction of air inlet is optional every 90° which is convenient for installation in tight space

High safety performance

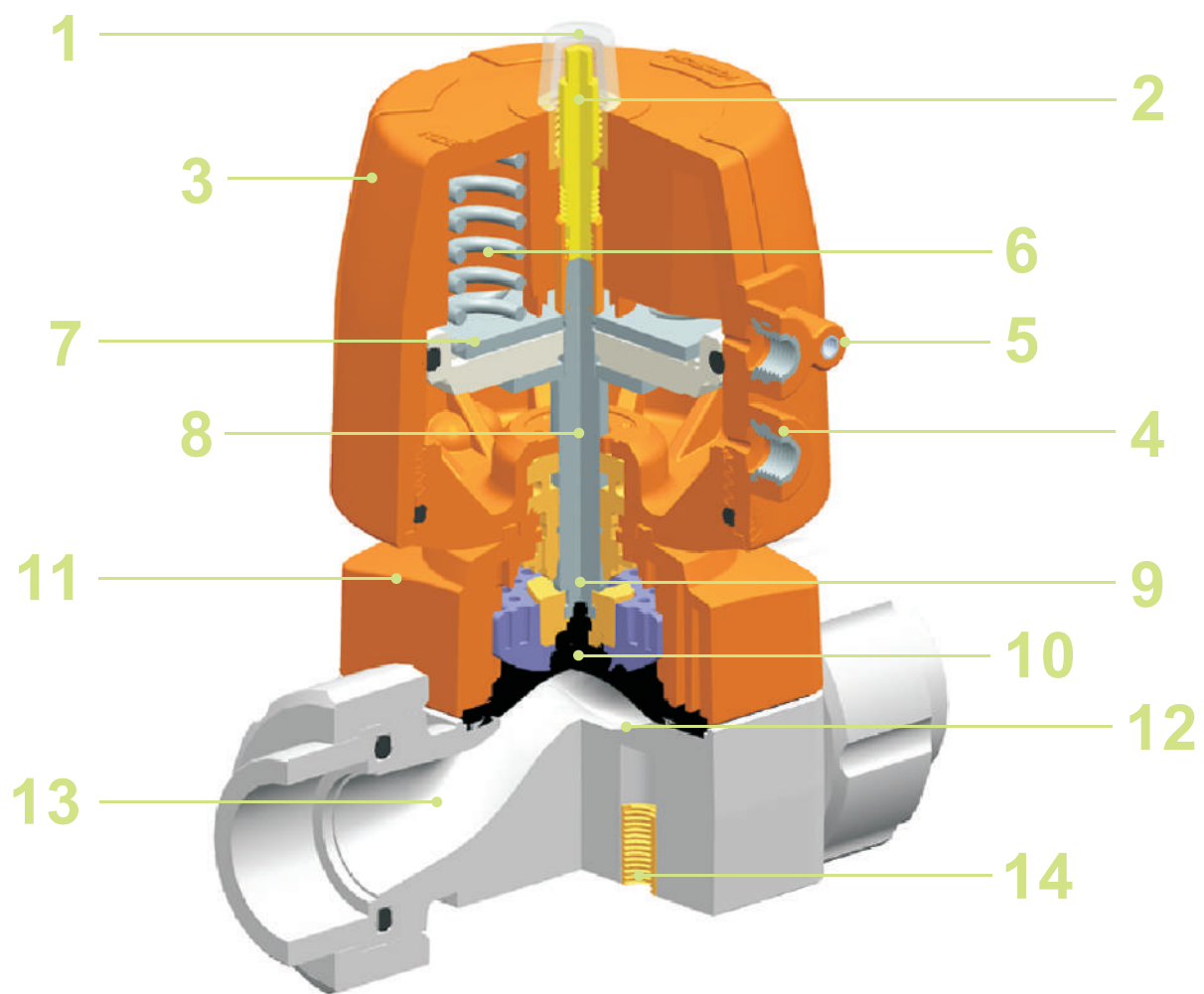
- * Air nozzle thread embedded design is suitable for various installation strengths
- * Over pressure margin design of valve body and pneumatic actuator to ensure safety application
- * Smooth curved channel has better overpressure protection for water hammer

High Flexibility

- * True union connection, loose flange connection, butt-fusion connection without unions
- * DIN, JIS and ANSI standards are available
- * Diaphragms are available for EPDM, FPM and EPDM-PTFE
- * Bodies are available for PVC-U, PVC-C, PP-H and PVDF

The best flow performance

- * Superior flow channel makes the linear characteristics of the fluid more precise and controllable
- * The smooth and excessive curved channel has smaller pressure loss, and brings double flow capacity compared with the traditional diaphragm valve
- * Suitable for liquids with small amounts of particles and solids



1 Transparent protective cap is suitable for outdoor and harsh environment applications

2 Bright-colored position indicator for easy viewing

3 Independent pneumatic actuator and compact design is suitable for corrosive applications

4 Anti-riot compressed air is connected with G1/4 thread

5 Pilot solenoid valve mounting base

6 The actuator is equipped with 4-6 independent springs anti-corrosion treated which make the piston load more uniform

7 High-strength glass fiber plastic piston, combined with stainless steel support plate to ensure no deformation

8 High strength stainless steel stem with unique material characters

9 The coupling mechanism is independent suspension, the valve rod has no load on the diaphragm, and the structure is superior

10 Molded diaphragms with embedded vulcanized fiber layer reinforcement have a longer service life

11 The unique inner cavity of the valve seat cover ensures the perfect compression of the diaphragm without lateral expansion

12 The smooth curve improves the linear curve and ensures the precise adjustment in the whole opening and closing stroke

13 Duckbill runners increase flow coefficient and reduce pressure loss. Flow efficiency significantly improved

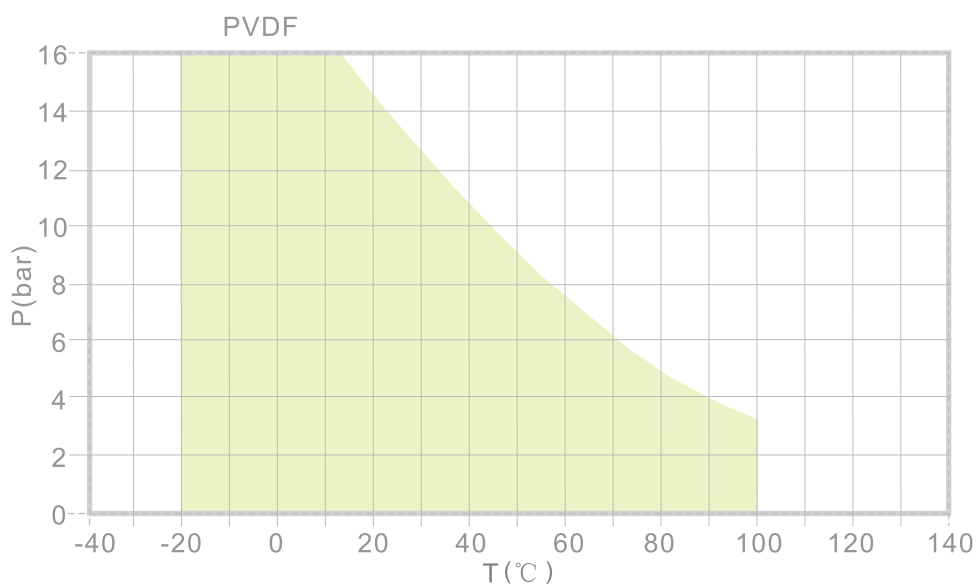
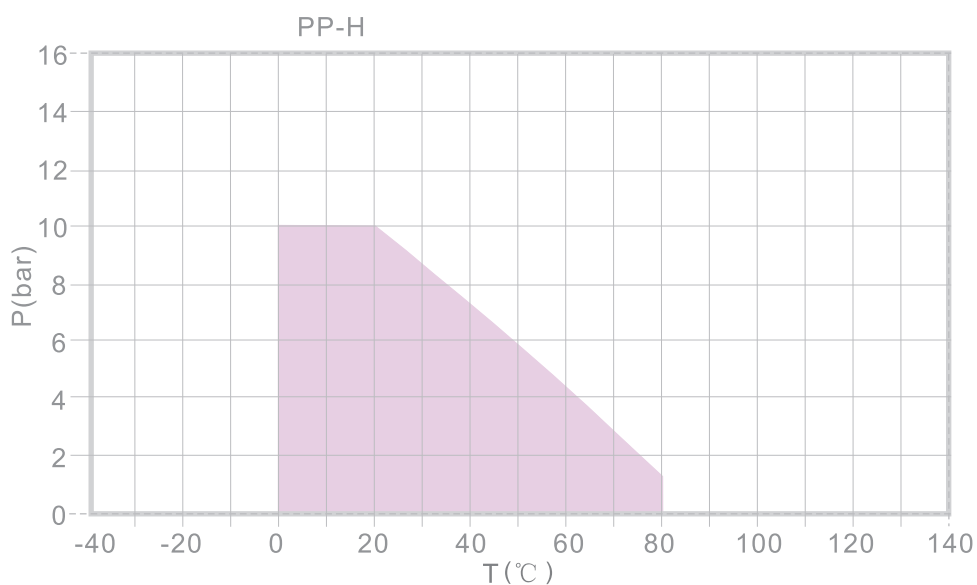
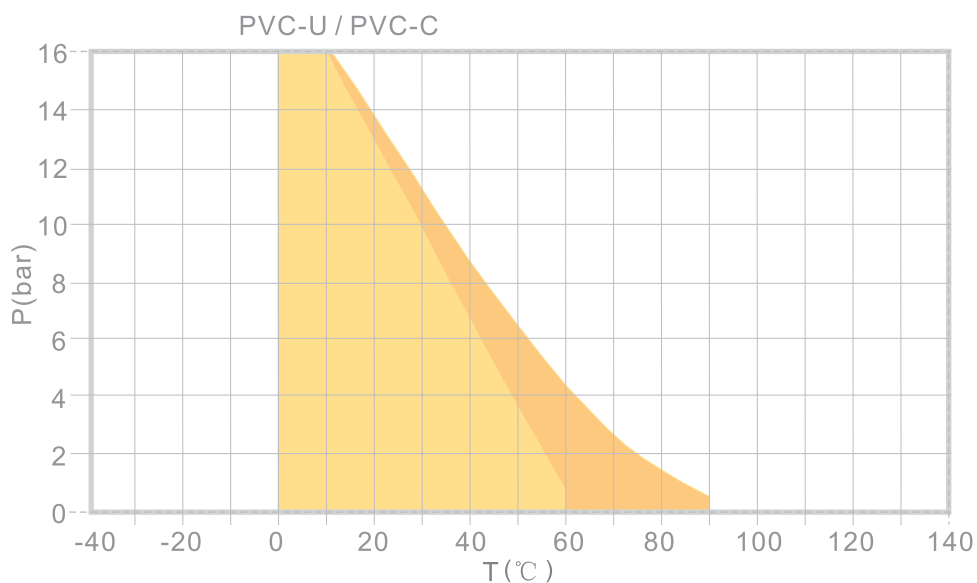
14 The base has standard mounting bolts for independent fixing and support

+ Technical characteristics

Pressure temperature curve

All data based on water for consider -ring 25 years safe life time

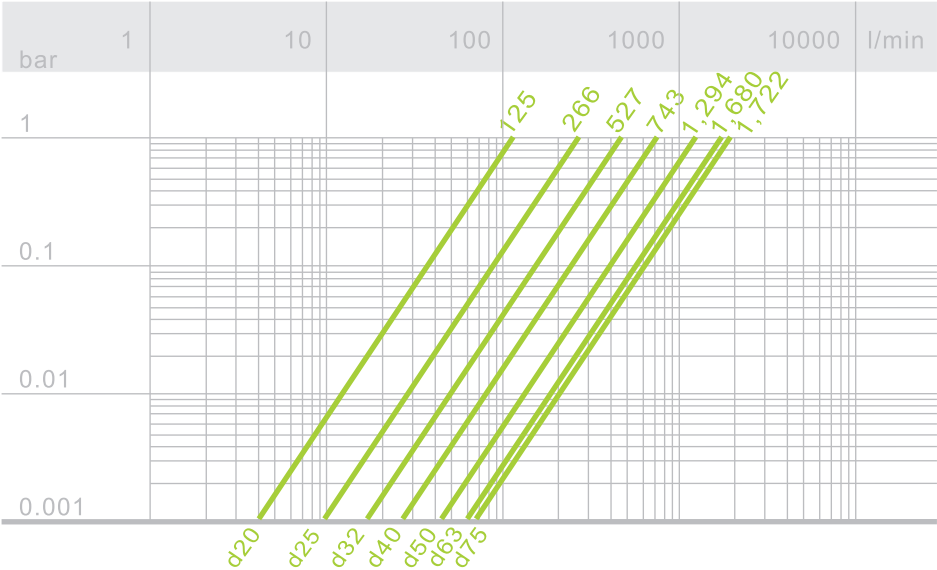
Other liquids request to reduce the temperature and pressure accordingly



Flow capacity

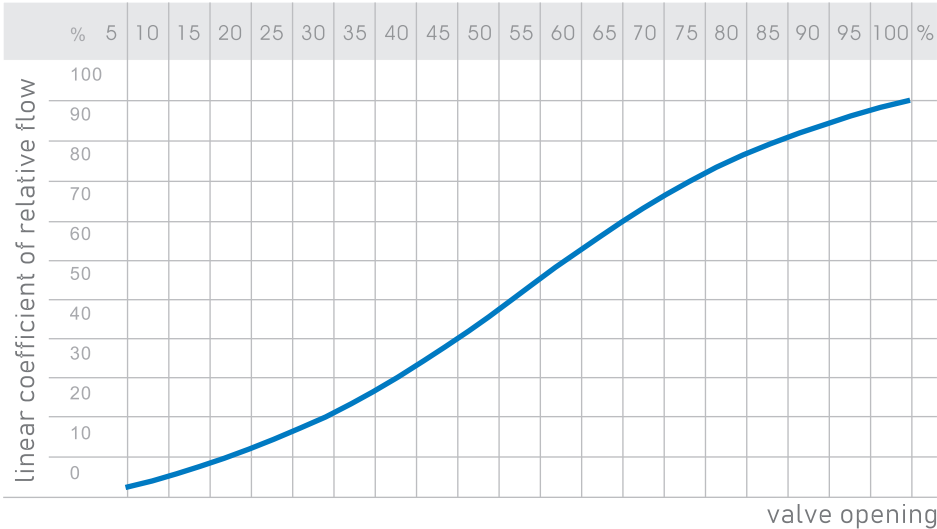
All data are for 20°C water with 1 bar pressure difference

- $C_v = k_v \times 0,07$
- $F_v = k_v \times 0,0585$
- K_v (l/min)
- C_v (gal/min) US
- F_v (gal/min) GB



Line chart for relative flow rate

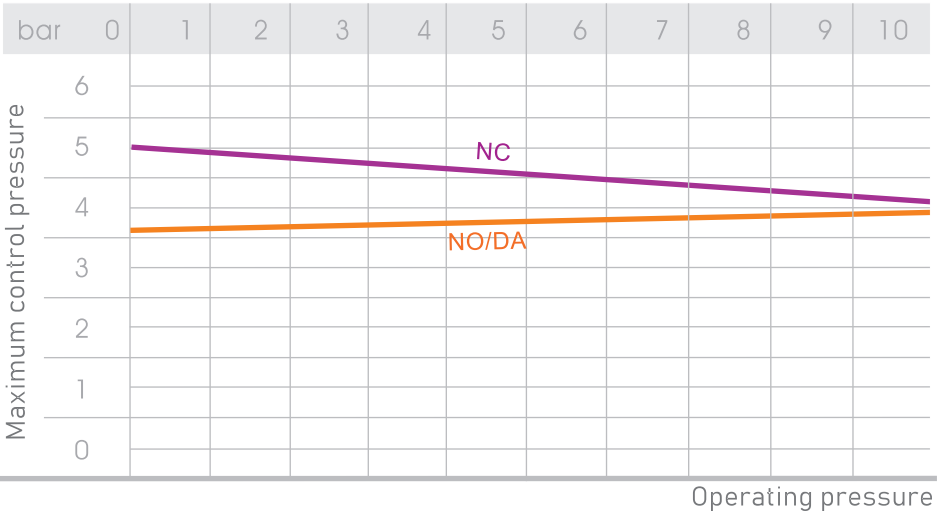
The linear coefficient of relative flow refers to the flow change as a function of valve opening stroke



Operating pressure control pressure

The maximum control pressure requested for EPDM, FPM and epdm-PTFE diaphragm

The actual drive data for different dimensions please refer to the operation manual



Actuator functional characteristics

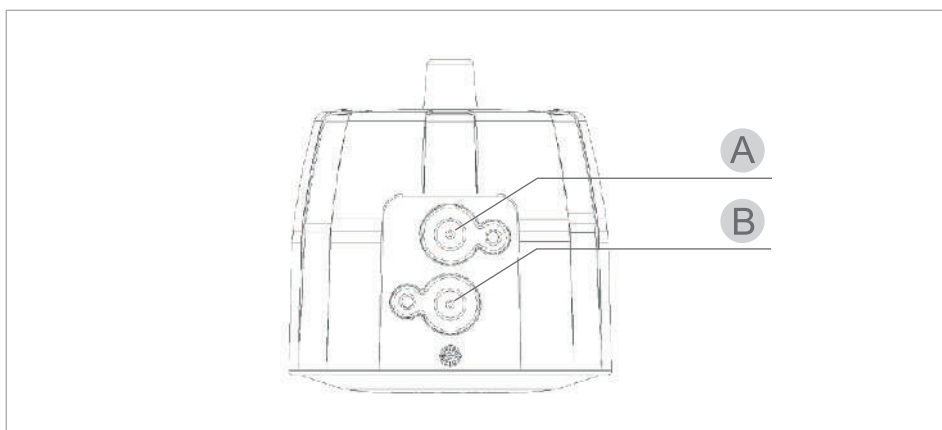
Control function	DA	SR	
	DA	NC	NO
valves open	Air	Air	Spring
valve closed	Air	Spring	Air

Gas consumption for actuators

Under the required drive pressure, the compressed air required to fully open or close the valves

		Dm ³						
d		20	25	32	40	50	63	75
NC		0,12	0,12	0,24	0,24	0,44	0,44	0,44
NO		0,20	0,20	0,44	0,44	0,88	0,88	0,88
DA	Open	0,12	0,12	0,24	0,24	0,44	0,44	0,44
	Closed	0,20	0,20	0,44	0,44	0,88	0,88	0,88

Connection of the drive air supply



Air source interface size: A air inlet G1/4 threaded

B air inlet G1/4 threaded

NC: control pressure connects air inlet B, valves open

NO: control pressure connects air inlet A, valves close

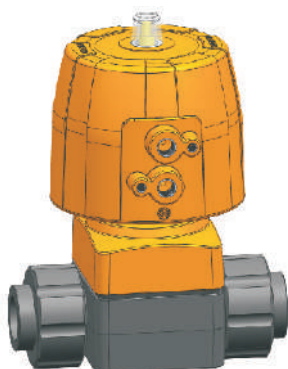
DA: control pressure connects air inlet A, valves close; control pressure connects air inlet B, valves open

NC/NO pilot-operated valve: with 3/2 solenoid valve

DA pilot-operated valve: with 5/2 solenoid valve

Note:

The driving pressure of all actuators cannot be higher than the upper limit to ensure safe use and achieve optimal functions. If the control pressure exceeds the limits, a malfunction may occur. In this case, a new actuator configuration is required.



Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.022.1020	303.042.1020	303.062.1020
25	20	10	303.022.1025	303.042.1025	303.062.1025
32	25	10	303.022.1032	303.042.1032	303.062.1032
40	32	10	303.022.1040	303.042.1040	303.062.1040
50	40	10	303.022.1050	303.042.1050	303.062.1050
63	50	10	303.022.1063	303.042.1063	303.062.1063

JIS

20	15	10	303.022.1220	303.042.1220	303.062.1220
25	20	10	303.022.1225	303.042.1225	303.062.1225
32	25	10	303.022.1232	303.042.1232	303.062.1232
40	32	10	303.022.1240	303.042.1240	303.062.1240
50	40	10	303.022.1250	303.042.1250	303.062.1250
63	50	10	303.022.1263	303.042.1263	303.062.1263

ANSI

1/2	15	10	303.022.1420	303.042.1420	303.062.1420
3/4	20	10	303.022.1425	303.042.1425	303.062.1425
1	25	10	303.022.1432	303.042.1432	303.062.1432
1-1/4	32	10	303.022.1440	303.042.1440	303.062.1440
1-1/2	40	10	303.022.1450	303.042.1450	303.062.1450
2	50	10	303.022.1463	303.042.1463	303.062.1463

Flange

DIN

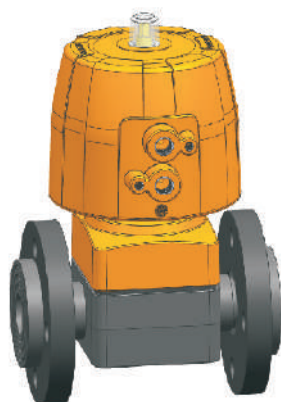
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40	32	10	303.022.7040	303.042.7040	303.062.7040
50	40	10	303.022.7050	303.042.7050	303.062.7050
63	50	10	303.022.7063	303.042.7063	303.062.7063
75	65	10	303.022.7075	303.042.7075	303.062.7075

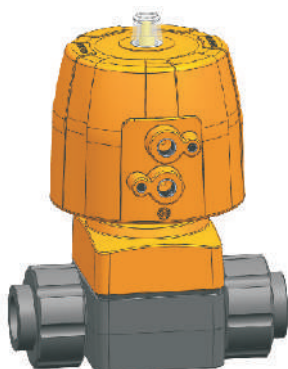
JIS

20	15	10	303.022.7220	303.042.7220	303.062.7220
25	20	10	303.022.7225	303.042.7225	303.062.7225
32	25	10	303.022.7232	303.042.7232	303.062.7232
40	32	10	303.022.7240	303.042.7240	303.062.7240
50	40	10	303.022.7250	303.042.7250	303.062.7250
63	50	10	303.022.7263	303.042.7263	303.062.7263
75	65	10	303.022.7075	303.042.7275	303.062.7275

ANSI

1/2	15	10	303.022.7420	303.042.7420	303.062.7420
3/4	20	10	303.022.7425	303.042.7425	303.062.7425
1	25	10	303.022.7432	303.042.7432	303.062.7432
1-1/4	32	10	303.022.7440	303.042.7440	303.062.7440
1-1/2	40	10	303.022.7450	303.042.7450	303.062.7450
2	50	10	303.022.7463	303.042.7463	303.062.7463
2-1/2	65	10	303.022.7075	303.042.7475	303.062.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.024.1020	303.044.1020	303.064.1020
25	20	10	303.024.1025	303.044.1025	303.064.1025
32	25	10	303.024.1032	303.044.1032	303.064.1032
40	32	10	303.024.1040	303.044.1040	303.064.1040
50	40	10	303.024.1050	303.044.1050	303.064.1050
63	50	10	303.024.1063	303.044.1063	303.064.1063

JIS

20	15	10	303.024.1220	303.044.1220	303.064.1220
25	20	10	303.024.1225	303.044.1225	303.064.1225
32	25	10	303.024.1232	303.044.1232	303.064.1232
40	32	10	303.024.1240	303.044.1240	303.064.1240
50	40	10	303.024.1250	303.044.1250	303.064.1250
63	50	10	303.024.1263	303.044.1263	303.064.1263

ANSI

1/2	15	10	303.024.1420	303.044.1420	303.064.1420
3/4	20	10	303.024.1425	303.044.1425	303.064.1425
1	25	10	303.024.1432	303.044.1432	303.064.1432
1-1/4	32	10	303.024.1440	303.044.1440	303.064.1440
1-1/2	40	10	303.024.1450	303.044.1450	303.064.1450
2	50	10	303.024.1463	303.044.1463	303.064.1463

Flange

DIN

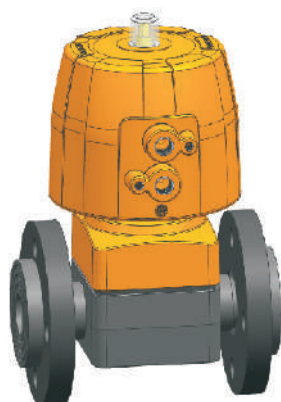
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40	32	10	303.024.7040	303.044.7040	303.064.7040
50	40	10	303.024.7050	303.044.7050	303.064.7050
63	50	10	303.024.7063	303.044.7063	303.064.7063
75	65	10	303.024.7075	303.044.7075	303.064.7075

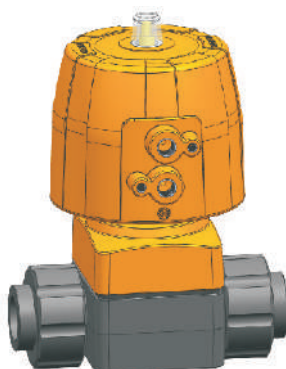
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40	32	10	303.024.7240	303.044.7240	303.064.7240
50	40	10	303.024.7250	303.044.7250	303.064.7250
63	50	10	303.024.7263	303.044.7263	303.064.7263
75	65	10	303.024.7275	303.044.7275	303.064.7275

ANSI

1/2	15	10	303.024.7420	303.044.7420	303.064.7420
3/4	20	10	303.024.7425	303.044.7425	303.064.7425
1	25	10	303.024.7432	303.044.7432	303.064.7432
1-1/4	32	10	303.024.7440	303.044.7440	303.064.7440
1-1/2	40	10	303.024.7450	303.044.7450	303.064.7450
2	50	10	303.024.7463	303.044.7463	303.064.7463
2-1/2	65	10	303.024.7475	303.044.7475	303.064.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.026.1020	303.046.1020	303.066.1020
25	20	10	303.026.1025	303.046.1025	303.066.1025
32	25	10	303.026.1032	303.046.1032	303.066.1032
40	32	10	303.026.1040	303.046.1040	303.066.1040
50	40	10	303.026.1050	303.046.1050	303.066.1050
63	50	10	303.026.1063	303.046.1063	303.066.1063

JIS

20	15	10	303.026.1220	303.046.1220	303.066.1220
25	20	10	303.026.1225	303.046.1225	303.066.1225
32	25	10	303.026.1232	303.046.1232	303.066.1232
40	32	10	303.026.1240	303.046.1240	303.066.1240
50	40	10	303.026.1250	303.046.1250	303.066.1250
63	50	10	303.026.1263	303.046.1263	303.066.1263

ANSI

1/2	15	10	303.026.1420	303.046.1420	303.066.1420
3/4	20	10	303.026.1425	303.046.1425	303.066.1425
1	25	10	303.026.1432	303.046.1432	303.066.1432
1-1/4	32	10	303.026.1440	303.046.1440	303.066.1440
1-1/2	40	10	303.026.1450	303.046.1450	303.066.1450
2	50	10	303.026.1463	303.046.1463	303.066.1463

Flange

DIN

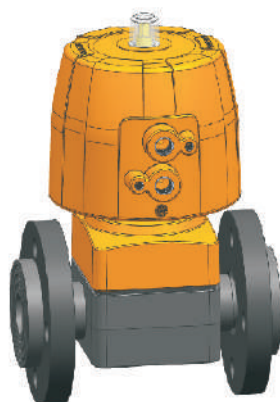
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40	32	10	303.026.7040	303.046.7040	303.066.7040
50	40	10	303.026.7050	303.046.7050	303.066.7050
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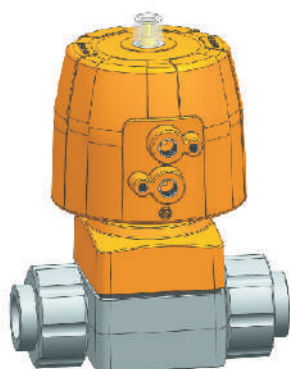
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25	20	10	303.026.7225	303.046.7225	303.066.7225
32	25	10	303.026.7232	303.046.7232	303.066.7232
40	32	10	303.026.7240	303.046.7240	303.066.7240
50	40	10	303.026.7250	303.046.7250	303.066.7250
63	50	10	303.026.7263	303.046.7263	303.066.7263
75	65	10	303.026.7275	303.046.7275	303.066.7275

ANSI

1/2	15	10	303.026.7420	303.046.7420	303.066.7420
3/4	20	10	303.026.7425	303.046.7425	303.066.7425
1	25	10	303.026.7432	303.046.7432	303.066.7432
1-1/4	32	10	303.026.7440	303.046.7440	303.066.7440
1-1/2	40	10	303.026.7450	303.046.7450	303.066.7450
2	50	10	303.026.7463	303.046.7463	303.066.7463
2-1/2	65	10	303.026.7475	303.046.7475	303.066.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.222.1020	303.242.1020	303.262.1020
25	20	10	303.222.1025	303.242.1025	303.262.1025
32	25	10	303.222.1032	303.242.1032	303.262.1032
40	32	10	303.222.1040	303.242.1040	303.262.1040
50	40	10	303.222.1050	303.242.1050	303.262.1050
63	50	10	303.222.1063	303.242.1063	303.262.1063

JIS

20	15	10	303.222.1220	303.242.1220	303.262.1220
25	20	10	303.222.1225	303.242.1225	303.262.1225
32	25	10	303.222.1232	303.242.1232	303.262.1232
40	32	10	303.222.1240	303.242.1240	303.262.1240
50	40	10	303.222.1250	303.242.1250	303.262.1250
63	50	10	303.222.1263	303.242.1263	303.262.1263

ANSI

1/2	15	10	303.222.1420	303.242.1420	303.262.1420
3/4	20	10	303.222.1425	303.242.1425	303.262.1425
1	25	10	303.222.1432	303.242.1432	303.262.1432
1-1/4	32	10	303.222.1440	303.242.1440	303.262.1440
1-1/2	40	10	303.222.1450	303.242.1450	303.262.1450
2	50	10	303.222.1463	303.242.1463	303.262.1463

Flange

DIN

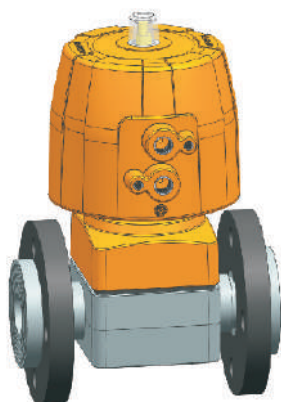
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40	32	10	303.222.7040	303.242.7040	303.262.7040
50	40	10	303.222.7050	303.242.7050	303.262.7050
63	50	10	303.222.7063	303.242.7063	303.262.7063
75	65	10	303.222.7075	303.242.7075	303.262.7075

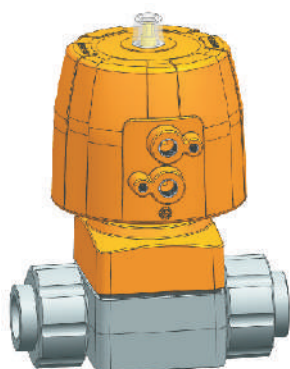
JIS

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32	25	10	303.222.7232	303.242.7232	303.262.7232
40	32	10	303.222.7240	303.242.7240	303.262.7240
50	40	10	303.222.7250	303.242.7250	303.262.7250
63	50	10	303.222.7263	303.242.7263	303.262.7263
75	65	10	303.222.7275	303.242.7275	303.262.7375

ANSI

1/2	15	10	303.222.7420	303.242.7420	303.262.7420
3/4	20	10	303.222.7425	303.242.7425	303.262.7425
1	25	10	303.222.7432	303.242.7432	303.262.7432
1-1/4	32	10	303.222.7440	303.242.7440	303.262.7440
1-1/2	40	10	303.222.7450	303.242.7450	303.262.7450
2	50	10	303.222.7463	303.242.7463	303.262.7463
2-1/2	65	10	303.222.7475	303.242.7475	303.262.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
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25	20	10	303.224.1025	303.244.1025	303.264.1025
32	25	10	303.224.1032	303.244.1032	303.264.1032
40	32	10	303.224.1040	303.244.1040	303.264.1040
50	40	10	303.224.1050	303.244.1050	303.264.1050
63	50	10	303.224.1063	303.244.1063	303.264.1063

JIS

20	15	10	303.224.1220	303.244.1220	303.264.1220
25	20	10	303.224.1225	303.244.1225	303.264.1225
32	25	10	303.224.1232	303.244.1232	303.264.1232
40	32	10	303.224.1240	303.244.1240	303.264.1240
50	40	10	303.224.1250	303.244.1250	303.264.1250
63	50	10	303.224.1263	303.244.1263	303.264.1263

ANSI

1/2	15	10	303.224.1420	303.244.1420	303.264.1420
3/4	20	10	303.224.1425	303.244.1425	303.264.1425
1	25	10	303.224.1432	303.244.1432	303.264.1432
1-1/4	32	10	303.224.1440	303.244.1440	303.264.1440
1-1/2	40	10	303.224.1450	303.244.1450	303.264.1450
2	50	10	303.224.1463	303.244.1463	303.264.1463

Flange

DIN

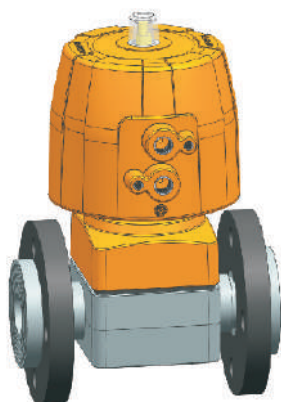
20	15	10	303.224.7020	303.244.7020	303.264.7020
25	20	10	303.224.7025	303.244.7025	303.264.7025
32	25	10	303.224.7032	303.244.7032	303.264.7032
40	32	10	303.224.7040	303.244.7040	303.264.7040
50	40	10	303.224.7050	303.244.7050	303.264.7050
63	50	10	303.224.7063	303.244.7063	303.264.7063
75	65	10	303.224.7075	303.244.7075	303.264.7075

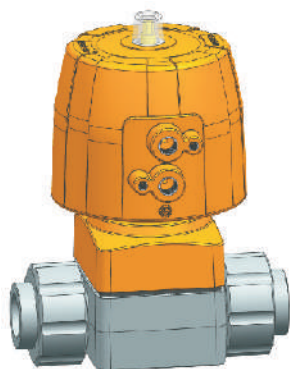
JIS

20	15	10	303.224.7220	303.244.7220	303.264.7220
25	20	10	303.224.7225	303.244.7225	303.264.7225
32	25	10	303.224.7232	303.244.7232	303.264.7232
40	32	10	303.224.7240	303.244.7240	303.264.7240
50	40	10	303.224.7250	303.244.7250	303.264.7250
63	50	10	303.224.7263	303.244.7263	303.264.7263
75	65	10	303.224.7275	303.244.7275	303.264.7275

ANSI

1/2	15	10	303.224.7420	303.244.7420	303.264.7420
3/4	20	10	303.224.7425	303.244.7425	303.264.7425
1	25	10	303.224.7432	303.244.7432	303.264.7432
1-1/4	32	10	303.224.7440	303.244.7440	303.264.7440
1-1/2	40	10	303.224.7450	303.244.7450	303.264.7450
2	50	10	303.224.7463	303.244.7463	303.264.7463
2-1/2	65	10	303.224.7475	303.244.7475	303.264.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.226.1020	303.246.1020	303.266.1020
25	20	10	303.226.1025	303.246.1025	303.266.1025
32	25	10	303.226.1032	303.246.1032	303.266.1032
40	32	10	303.226.1040	303.246.1040	303.266.1040
50	40	10	303.226.1050	303.246.1050	303.266.1050
63	50	10	303.226.1063	303.246.1063	303.266.1063

JIS

20	15	10	303.226.1220	303.246.1220	303.266.1220
25	20	10	303.226.1225	303.246.1225	303.266.1225
32	25	10	303.226.1232	303.246.1232	303.266.1232
40	32	10	303.226.1240	303.246.1240	303.266.1240
50	40	10	303.226.1250	303.246.1250	303.266.1250
63	50	10	303.226.1263	303.246.1263	303.266.1263

ANSI

1/2	15	10	303.226.1420	303.246.1420	303.266.1420
3/4	20	10	303.226.1425	303.246.1425	303.266.1425
1	25	10	303.226.1432	303.246.1432	303.266.1432
1-1/4	32	10	303.226.1440	303.246.1440	303.266.1440
1-1/2	40	10	303.226.1450	303.246.1450	303.266.1450
2	50	10	303.226.1463	303.246.1463	303.266.1463

Flange

DIN

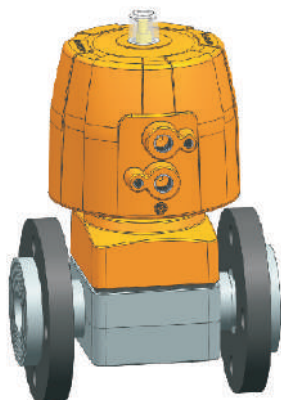
20	15	10	303.226.7020	303.246.7020	303.266.7020
25	20	10	303.226.7025	303.246.7025	303.266.7025
32	25	10	303.226.7032	303.246.7032	303.266.7032
40	32	10	303.226.7040	303.246.7040	303.266.7040
50	40	10	303.226.7050	303.246.7050	303.266.7050
63	50	10	303.226.7063	303.246.7063	303.266.7063
75	65	10	303.226.7075	303.246.7075	303.266.7075

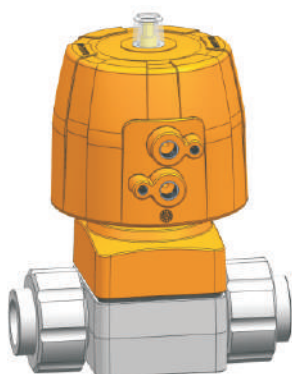
JIS

20	15	10	303.226.7220	303.246.7220	303.266.7220
25	20	10	303.226.7225	303.246.7225	303.266.7225
32	25	10	303.226.7232	303.246.7232	303.266.7232
40	32	10	303.226.7240	303.246.7240	303.266.7240
50	40	10	303.226.7250	303.246.7250	303.266.7250
63	50	10	303.226.7263	303.246.7263	303.266.7263
75	65	10	303.226.7275	303.246.7275	303.266.7275

ANSI

1/2	15	10	303.226.7420	303.246.7420	303.266.7420
3/4	20	10	303.226.7425	303.246.7425	303.266.7425
1	25	10	303.226.7432	303.246.7432	303.266.7432
1-1/4	32	10	303.226.7440	303.246.7440	303.266.7440
1-1/2	40	10	303.226.7450	303.246.7450	303.266.7450
2	50	10	303.226.7463	303.246.7463	303.266.7463
2-1/2	65	10	303.226.7475	303.246.7475	303.266.7475





Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.422.1020	303.442.1020	303.462.1020
25	20	10	303.422.1025	303.442.1025	303.462.1025
32	25	10	303.422.1032	303.442.1032	303.462.1032
40	32	10	303.422.1040	303.442.1040	303.462.1040
50	40	10	303.422.1050	303.442.1050	303.462.1050
63	50	10	303.422.1063	303.442.1063	303.462.1063

Union Spigot Butt+IR

DIN					
20	15	10	303.422.3020	303.442.3020	303.462.3020
25	20	10	303.422.3025	303.442.3025	303.462.3025
32	25	10	303.422.3032	303.442.3032	303.462.3032
40	32	10	303.422.3040	303.442.3040	303.462.3040
50	40	10	303.422.3050	303.442.3050	303.462.3050
63	50	10	303.422.3063	303.442.3063	303.462.3063

Flange

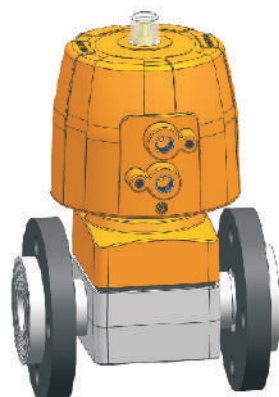
DIN					
20	15	10	303.422.7020	303.442.7020	303.462.7020
25	20	10	303.422.7025	303.442.7025	303.462.7025
32	25	10	303.422.7032	303.442.7032	303.462.7032
40	32	10	303.422.7040	303.442.7040	303.462.7040
50	40	10	303.422.7050	303.442.7050	303.462.7050
63	50	10	303.422.7063	303.442.7063	303.462.7063
75	65	10	303.422.7075	303.442.7075	303.462.7075

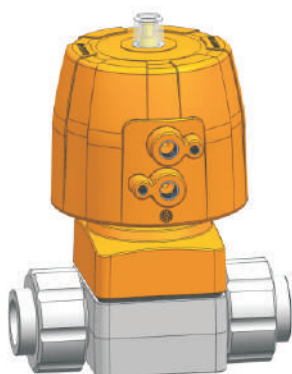
JIS

20	15	10	303.422.7220	303.442.7220	303.462.7220
25	20	10	303.422.7225	303.442.7225	303.462.7225
32	25	10	303.422.7232	303.442.7232	303.462.7232
40	32	10	303.422.7240	303.442.7240	303.462.7240
50	40	10	303.422.7250	303.442.7250	303.462.7250
63	50	10	303.422.7263	303.442.7263	303.462.7263
75	65	10	303.422.7275	303.442.7275	303.462.7275

ANSI

1/2	15	10	303.422.7420	303.442.7420	303.462.7420
3/4	20	10	303.422.7425	303.442.7425	303.462.7425
1	25	10	303.422.7432	303.442.7432	303.462.7432
1-1/4	32	10	303.422.7440	303.442.7440	303.462.7440
1-1/2	40	10	303.422.7450	303.442.7450	303.462.7450
2	50	10	303.422.7463	303.442.7463	303.462.7463
2-1/2	65	10	303.422.7475	303.442.7475	303.462.7475





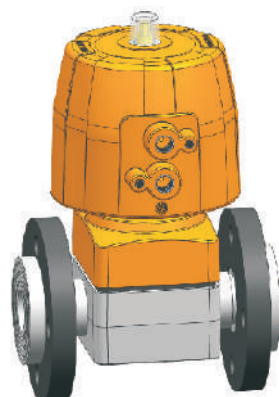
Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.424.1020	303.444.1020	303.464.1020
25	20	10	303.424.1025	303.444.1025	303.464.1025
32	25	10	303.424.1032	303.444.1032	303.464.1032
40	32	10	303.424.1040	303.444.1040	303.464.1040
50	40	10	303.424.1050	303.444.1050	303.464.1050
63	50	10	303.424.1063	303.444.1063	303.464.1063

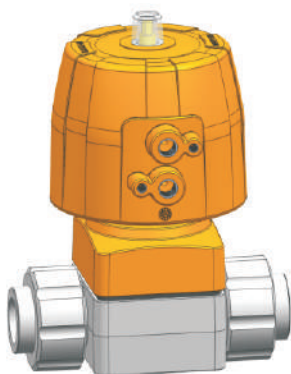
Union Spigot Butt+IR

DIN					
20	15	10	303.424.3020	303.444.3020	303.464.3020
25	20	10	303.424.3025	303.444.3025	303.464.3025
32	25	10	303.424.3032	303.444.3032	303.464.3032
40	32	10	303.424.3040	303.444.3040	303.464.3040
50	40	10	303.424.3050	303.444.3050	303.464.3050
63	50	10	303.424.3063	303.444.3063	303.464.3063

Flange



DIN					
20	15	10	303.424.7020	303.444.7020	303.464.7020
25	20	10	303.424.7025	303.444.7025	303.464.7025
32	25	10	303.424.7032	303.444.7032	303.464.7032
40	32	10	303.424.7040	303.444.7040	303.464.7040
50	40	10	303.424.7050	303.444.7050	303.464.7050
63	50	10	303.424.7063	303.444.7063	303.464.7063
75	65	10	303.424.7075	303.444.7075	303.464.7075
JIS					
20	15	10	303.424.7220	303.444.7220	303.464.7220
25	20	10	303.424.7225	303.444.7225	303.464.7225
32	25	10	303.424.7232	303.444.7232	303.464.7232
40	32	10	303.424.7240	303.444.7240	303.464.7240
50	40	10	303.424.7250	303.444.7250	303.464.7250
63	50	10	303.424.7263	303.444.7263	303.464.7263
75	65	10	303.424.7275	303.444.7275	303.464.7275
ANSI					
1/2	15	10	303.424.7420	303.444.7420	303.464.7420
3/4	20	10	303.424.7425	303.444.7425	303.464.7425
1	25	10	303.424.7432	303.444.7432	303.464.7432
1-1/4	32	10	303.424.7440	303.444.7440	303.464.7440
1-1/2	40	10	303.424.7450	303.444.7450	303.464.7450
2	50	10	303.424.7463	303.444.7463	303.464.7463
2-1/2	65	10	303.424.7475	303.444.7475	303.464.7475



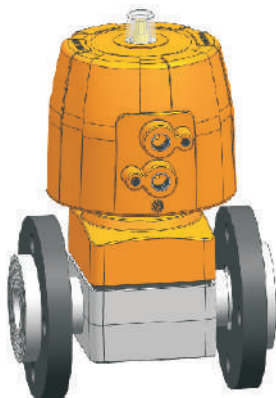
Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.426.1020	303.446.1020	303.466.1020
25	20	10	303.426.1025	303.446.1025	303.466.1025
32	25	10	303.426.1032	303.446.1032	303.466.1032
40	32	10	303.426.1040	303.446.1040	303.466.1040
50	40	10	303.426.1050	303.446.1050	303.466.1050
63	50	10	303.426.1063	303.446.1063	303.466.1063

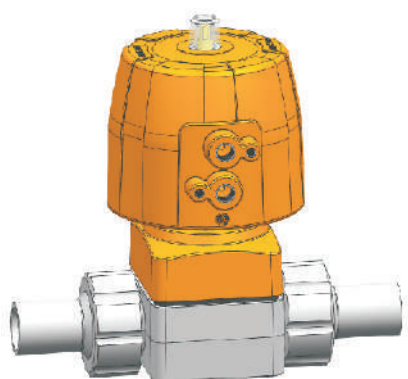
Union Spigot Butt+IR

DIN					
20	15	10	303.426.3020	303.446.3020	303.466.3020
25	20	10	303.426.3025	303.446.3025	303.466.3025
32	25	10	303.426.3032	303.446.3032	303.466.3032
40	32	10	303.426.3040	303.446.3040	303.466.3040
50	40	10	303.426.3050	303.446.3050	303.466.3050
63	50	10	303.426.3063	303.446.3063	303.466.3063

Flange



DIN					
20	15	10	303.426.7020	303.446.7020	303.466.7020
25	20	10	303.426.7025	303.446.7025	303.466.7025
32	25	10	303.426.7032	303.446.7032	303.466.7032
40	32	10	303.426.7040	303.446.7040	303.466.7040
50	40	10	303.426.7050	303.446.7050	303.466.7050
63	50	10	303.426.7063	303.446.7063	303.466.7063
75	65	10	303.426.7075	303.446.7075	303.466.7075
JIS					
20	15	10	303.426.7220	303.446.7220	303.466.7220
25	20	10	303.426.7225	303.446.7225	303.466.7225
32	25	10	303.426.7232	303.446.7232	303.466.7232
40	32	10	303.426.7240	303.446.7240	303.466.7240
50	40	10	303.426.7250	303.446.7250	303.466.7250
63	50	10	303.426.7263	303.446.7263	303.466.7263
75	65	10	303.426.7275	303.446.7275	303.466.7275
ANSI					
1/2	15	10	303.426.7420	303.446.7420	303.466.7420
3/4	20	10	303.426.7425	303.446.7425	303.466.7425
1	25	10	303.426.7432	303.446.7432	303.466.7432
1-1/4	32	10	303.426.7440	303.446.7440	303.466.7440
1-1/2	40	10	303.426.7450	303.446.7450	303.466.7450
2	50	10	303.426.7463	303.446.7463	303.466.7463
2-1/2	65	10	303.426.7475	303.446.7475	303.466.7475



Union Socket-end

<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.622.1020	303.642.1020	303.662.1020
25	20	10	303.622.1025	303.642.1025	303.662.1025
32	25	10	303.622.1032	303.642.1032	303.662.1032
40	32	10	303.622.1040	303.642.1040	303.662.1040
50	40	10	303.622.1050	303.642.1050	303.662.1050
63	50	10	303.622.1063	303.642.1063	303.662.1063

Union Spigot Butt+IR

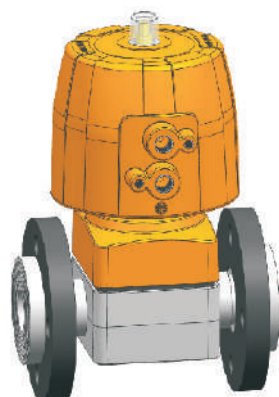
DIN					
20	15	10	303.622.3020	303.642.3020	303.662.3020
25	20	10	303.622.3025	303.642.3025	303.662.3025
32	25	10	303.622.3032	303.642.3032	303.662.3032
40	32	10	303.622.3040	303.642.3040	303.662.3040
50	40	10	303.622.3050	303.642.3050	303.662.3050
63	50	10	303.622.3063	303.642.3063	303.662.3063

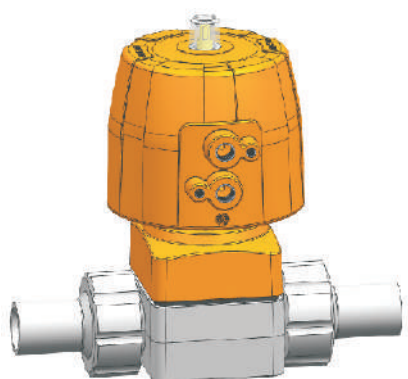
Flange

DIN					
20	15	10	303.622.7020	303.642.7020	303.662.7020
25	20	10	303.622.7025	303.642.7025	303.662.7025
32	25	10	303.622.7032	303.642.7032	303.662.7032
40	32	10	303.622.7040	303.642.7040	303.662.7040
50	40	10	303.622.7050	303.642.7050	303.662.7050
63	50	10	303.622.7063	303.642.7063	303.662.7063
75	65	10	303.622.7075	303.642.7075	303.662.7075
JIS					
20	15	10	303.622.7220	303.642.7220	303.662.7220
25	20	10	303.622.7225	303.642.7225	303.662.7225
32	25	10	303.622.7232	303.642.7232	303.662.7232
40	32	10	303.622.7240	303.642.7240	303.662.7240
50	40	10	303.622.7250	303.642.7250	303.662.7250
63	50	10	303.622.7263	303.642.7263	303.662.7263
75	65	10	303.622.7275	303.642.7275	303.662.7275

ANSI

1/2	15	10	303.622.7420	303.642.7420	303.662.7420
3/4	20	10	303.622.7425	303.642.7425	303.662.7425
1	25	10	303.622.7432	303.642.7432	303.662.7432
1-1/4	32	10	303.622.7440	303.642.7440	303.662.7440
1-1/2	40	10	303.622.7450	303.642.7450	303.662.7450
2	50	10	303.622.7463	303.642.7463	303.662.7463
2-1/2	65	10	303.622.7475	303.642.7475	303.662.7475





Union Socket-end

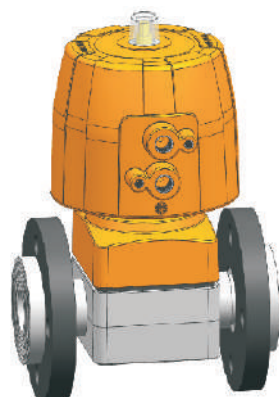
<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.624.1020	303.644.1020	303.664.1020
25	20	10	303.624.1025	303.644.1025	303.664.1025
32	25	10	303.624.1032	303.644.1032	303.664.1032
40	32	10	303.624.1040	303.644.1040	303.664.1040
50	40	10	303.624.1050	303.644.1050	303.664.1050
63	50	10	303.624.1063	303.644.1063	303.664.1063

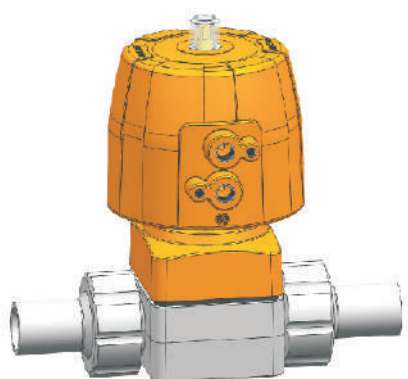
Union Spigot Butt+IR

DIN					
20	15	10	303.624.3020	303.644.3020	303.664.3020
25	20	10	303.624.3025	303.644.3025	303.664.3025
32	25	10	303.624.3032	303.644.3032	303.664.3032
40	32	10	303.624.3040	303.644.3040	303.664.3040
50	40	10	303.624.3050	303.644.3050	303.664.3050
63	50	10	303.624.3063	303.644.3063	303.664.3063

Flange

DIN					
20	15	10	303.624.7020	303.644.7020	303.664.7020
25	20	10	303.624.7025	303.644.7025	303.664.7025
32	25	10	303.624.7032	303.644.7032	303.664.7032
40	32	10	303.624.7040	303.644.7040	303.664.7040
50	40	10	303.624.7050	303.644.7050	303.664.7050
63	50	10	303.624.7063	303.644.7063	303.664.7063
75	65	10	303.624.7075	303.644.7075	303.664.7075
JIS					
20	15	10	303.624.7220	303.644.7220	303.664.7220
25	20	10	303.624.7225	303.644.7225	303.664.7225
32	25	10	303.624.7232	303.644.7232	303.664.7232
40	32	10	303.624.7240	303.644.7240	303.664.7240
50	40	10	303.624.7250	303.644.7250	303.664.7250
63	50	10	303.624.7263	303.644.7263	303.664.7263
75	65	10	303.624.7275	303.644.7275	303.664.7275
ANSI					
1/2	15	10	303.624.7420	303.644.7420	303.664.7420
3/4	20	10	303.624.7425	303.644.7425	303.664.7425
1	25	10	303.624.7432	303.644.7432	303.664.7432
1-1/4	32	10	303.624.7440	303.644.7440	303.664.7440
1-1/2	40	10	303.624.7450	303.644.7450	303.664.7450
2	50	10	303.624.7463	303.644.7463	303.664.7463
2-1/2	65	10	303.624.7475	303.644.7475	303.664.7475





Union Socket-end

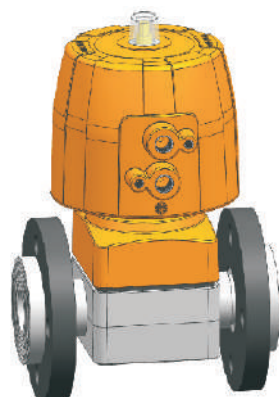
<i>d</i> (mm)	<i>DN</i> (mm)	<i>PN</i> (bar)	<i>EPDM(per)</i>	<i>FPM(70)</i>	<i>EPDM-PTFE</i>
DIN					
20	15	10	303.626.1020	303.646.1020	303.666.1020
25	20	10	303.626.1025	303.646.1025	303.666.1025
32	25	10	303.626.1032	303.646.1032	303.666.1032
40	32	10	303.626.1040	303.646.1040	303.666.1040
50	40	10	303.626.1050	303.646.1050	303.666.1050
63	50	10	303.626.1063	303.646.1063	303.666.1063

Union Spigot Butt+IR

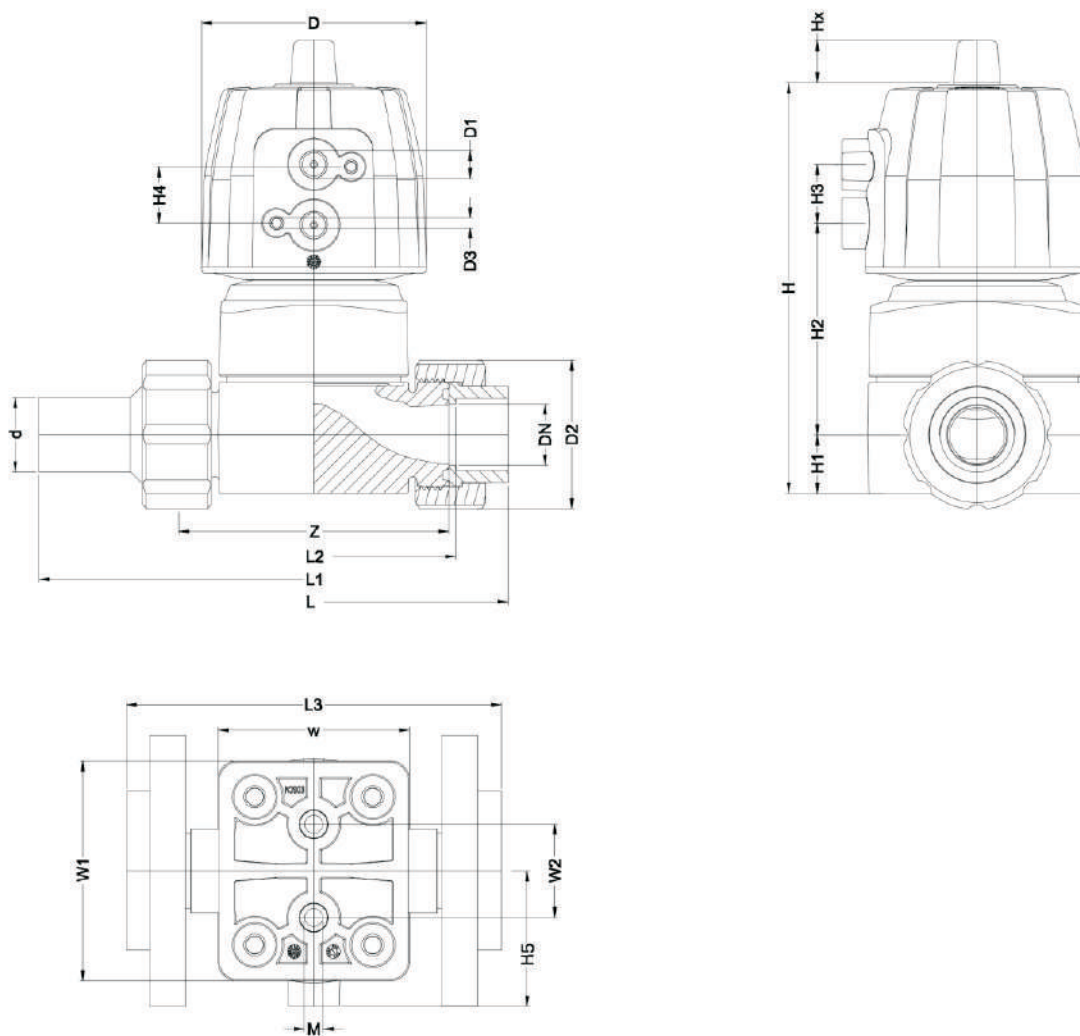
DIN					
20	15	10	303.626.3020	303.646.3020	303.666.3020
25	20	10	303.626.3025	303.646.3025	303.666.3025
32	25	10	303.626.3032	303.646.3032	303.666.3032
40	32	10	303.626.3040	303.646.3040	303.666.3040
50	40	10	303.626.3050	303.646.3050	303.666.3050
63	50	10	303.626.3063	303.646.3063	303.666.3063

Flange

DIN					
20	15	10	303.626.7020	303.646.7020	303.666.7020
25	20	10	303.626.7025	303.646.7025	303.666.7025
32	25	10	303.626.7032	303.646.7032	303.666.7032
40	32	10	303.626.7040	303.646.7040	303.666.7040
50	40	10	303.626.7050	303.646.7050	303.666.7050
63	50	10	303.626.7063	303.646.7063	303.666.7063
75	65	10	303.626.7075	303.646.7075	303.666.7075
JIS					
20	15	10	303.626.7220	303.646.7220	303.666.7220
25	20	10	303.626.7225	303.646.7225	303.666.7225
32	25	10	303.626.7232	303.646.7232	303.666.7232
40	32	10	303.626.7240	303.646.7240	303.666.7240
50	40	10	303.626.7250	303.646.7250	303.666.7250
63	50	10	303.626.7263	303.646.7263	303.666.7263
75	65	10	303.626.7275	303.646.7275	303.666.7275
ANSI					
1/2	15	10	303.626.7420	303.646.7420	303.666.7420
3/4	20	10	303.626.7425	303.646.7425	303.666.7425
1	25	10	303.626.7432	303.646.7432	303.666.7432
1-1/4	32	10	303.626.7440	303.646.7440	303.666.7440
1-1/2	40	10	303.626.7450	303.646.7450	303.666.7450
2	50	10	303.626.7463	303.646.7463	303.666.7463
2-1/2	65	10	303.626.7475	303.646.7475	303.666.7475



Size data



Unit: mm

d	DN	D	D1_G	D2	D3	H	H1	H2	H3	H4	H5	L	L1	L2	L3	Z
20	15	96	1/4	43	M5	126	14	67	25	24	58	128	196	96	145	90
25	20	96	1/4	51	M5	132	18	73	25	24	58	152	221	114	150	108
32	25	120	1/4	58	M5	173	26	99	26	24	71	166	234	122	170	116
40	32	120	1/4	72	M5	173	26	99	26	24	71	192	260	140	180	134
50	40	150	1/4	83	M5	226	39	132	36	32	88	222	284	160	210	154
63	50	150	1/4	100	M5	226	39	132	36	32	88	266	321	190	230	184
75	65	150	1/4		M5	240	46	139	36	32	88				252	

d	DN	W	W1	W2	M	Lift = Hx
20	15	57	57	25	6	7
25	20	70	70	25	6	10
32	25	82	94	40	8	13
40	32	82	94	40	8	15
50	40	109	122	45	8	22
63	50	109	122	45	8	22
75	65	109	122	45	8	23

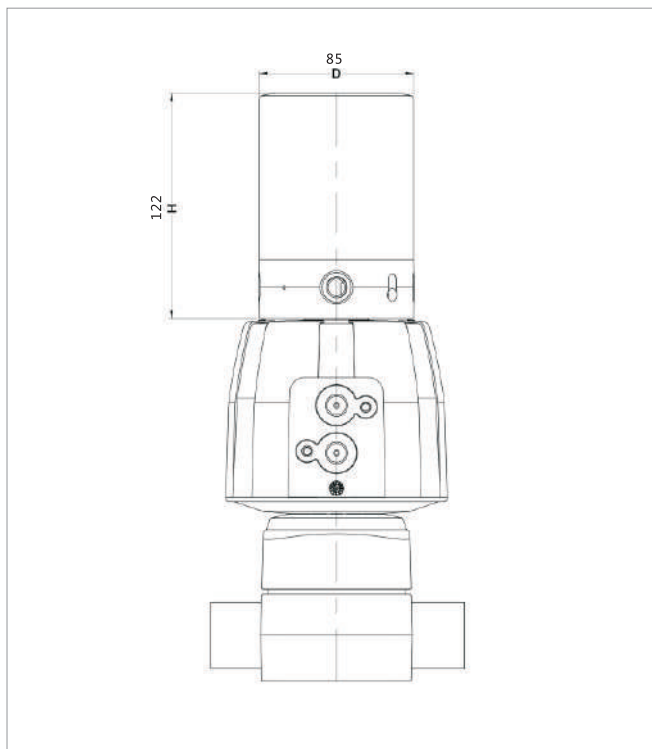
Intelligent electrical locator MA600



- * Control accuracy of valve position 0.5%
- * It has good static and dynamic tracking characteristics
- * Powerful software self-learning function, for the movement characteristics of the valve, develop the best control algorithm
- * Easy to install snap and threaded structures
- * Plastic base, Stainless steel case, Environmental corrosion resistance, flame retardant, anti - UV aging

Power Voltage	24V/DC $\pm$ 10%, power ripple < 200mV
Power consumption	SR $\leq$ 2W, DA $\leq$ 4W
Electrical connections	M12 Waterproof Conn
The input signal	4-20mA, 0-5V, 0-10V, 0-20mA
The input impedance	Current series $\leq$ 180 Ω , Voltage series $\leq$ 20K Ω
Accuracy of the input	$\pm$ 1%
Output type	4-20mA
A digital signal	2-wire binary output
Protection grade	IP 66
Shell material	PA66+SUS304
Environment temperature	-10 $^{\circ}$ C $\sim$ +50 $^{\circ}$ C
Control medium	Air, DIN ISO 8573-1, Granularity Class 5
Control pressure	0.5-0.6 Mpa

Size



Appearance



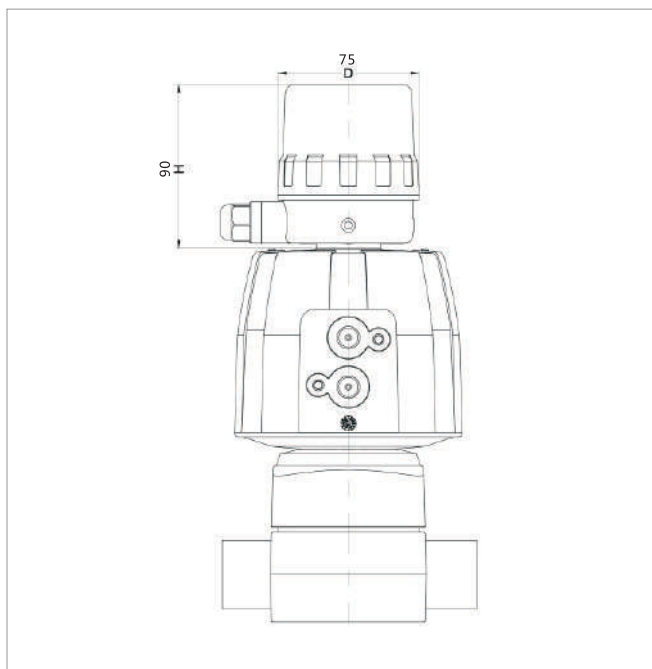
Limit switch MA610



- * Easy to install snap and threaded structures
- * Two-color LED working indicator light
- * Imported micro switch, high reliability
- * Suitable for DN15-100 caliber

Power voltage	24V/DC $\pm$ 10%, Single loop current Max50mA
Power consumption	$\leq$ 0.05W
Electrical connections	M12 Waterproof Conn
The input signal	Switch quantity DC24V or Passive contact
Protection grade	IP 66
Shell material	PA66+PC
Environment temperature	-20°C ~ +80°C

Size



Appearance



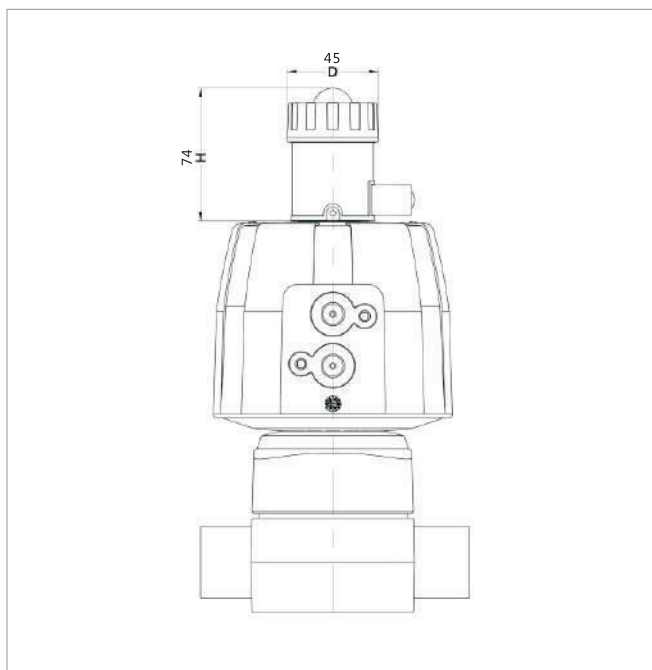
Compact limit switch MA611



- * Easy to install snap and threaded structures
- * Two-color LED working indicator light
- * Imported micro switch, high reliability
- * Suitable for DN15-50 caliber
- * Can not be used in high magnetic environment

Power voltage	24V/DC $\pm$ 10%, Single loop current Max50mA
Power consumption	$\leq$ 0.05W
Electrical connections	M12 Waterproof Conn
The input signal	Switch quantity DC24V or Passive contact
Protection grade	IP 65
Shell material	PA66+PC
Environment temperature	-20°C ~ +70°C

Size



Appearance



