



Main Features:-

- ◆ Connection system for solvent weld, threaded and flanged
- ◆ High flow coefficient and minimum pressure drop
- ◆ Internal metal parts totally isolated from conveyed fluid
- ◆ Innovative circular diaphragm sealing angle system
- ◆ Easy to clean valve interior

Suitable Applications & Approvals:



VM DN15/100 ABS

EU MANUFACTURER:



The VM is particularly suitable for shutting off and regulating abrasive or dirty fluids. The handwheel control and diaphragm seal provide precise and effective control, while reducing the risk of water hammer to a minimum.

TECHNICAL SPECIFICATIONS

Construction	Single wear diaphragm valve
Size Range	DN 15 ÷ 100
Nominal Pressure	PN 10 with water at 20 °C
Operating Temperature	0 °C ÷ 60 °C
Coupling Standards	Solvent welding: EN ISO 1452, EN ISO 15493, BS 4346-1, DIN 8063, NF T54-028, ASTM D 2467, JIS K 6743. Can be coupled to pipes according to EN ISO 1452, EN ISO 15493, DIN 8062, NF T54-016, ASTM D 1785, JIS K 6741 Thread: ISO 228-1, DIN 2999, ASTM D 2464, JIS B 0203 Flanging system: ISO 7005-1, EN ISO 1452, EN ISO 15493, EN 558-1, DIN 2501, ANSI B16.5 Cl.150, JIS B2220
Reference Standards	Construction criteria: EN ISO 16138, EN ISO 1452, EN ISO 15493 Test methods and requirements: ISO 9393 Installation criteria: DVS 2204, DVS 2221, UNI 11242
Valve Material	Body: ABS Bonnet and handwheel: PP-GR
Diaphragm material	EPDM, FPM, PTFE (on request NBR)
Control options	Manual control; pneumatic actuator

This product is compatible for mounting with standard pneumatic or electric actuators that use standard ISO5211 profiles (F05, F07, F10), when combined with the optional actuation kit accessory. Allvalves can supply this product preassembled with a suitable actuator on request.



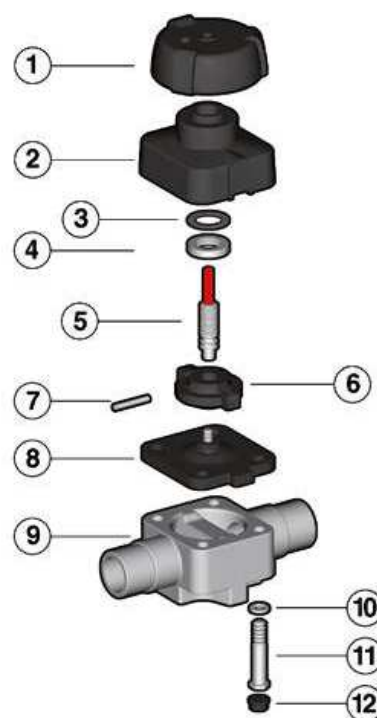
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Part	Component	Material
1	Handwheel	PP-GR
2	Bonnet	PP-GR
3	Anti-friction disk	POM
4	Lock nut	Brass
5	Indicator - stem	Stainless Steel
6	Shutter	PBT
7	Pin	Stainless Steel
8	Diaphragm	EPDM, FPM, PTFE
9	Body	ABS
10	Washer	Zinc plated steel
11	Hexagonal screw	Zinc plated steel
12	Protection plug	PE

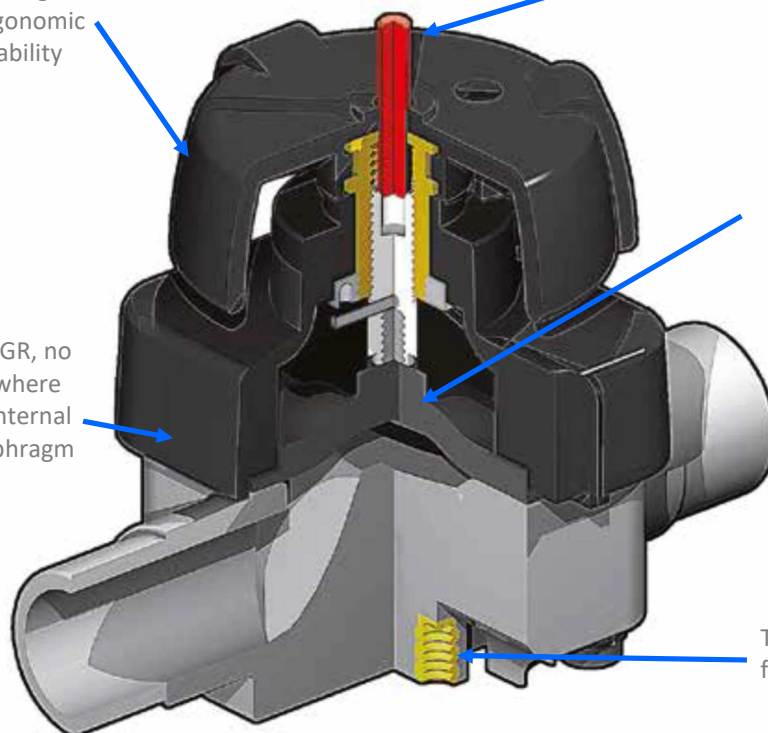


Handwheel in (PP-GR) with high mechanical strength and ergonomic grip for optimum manageability

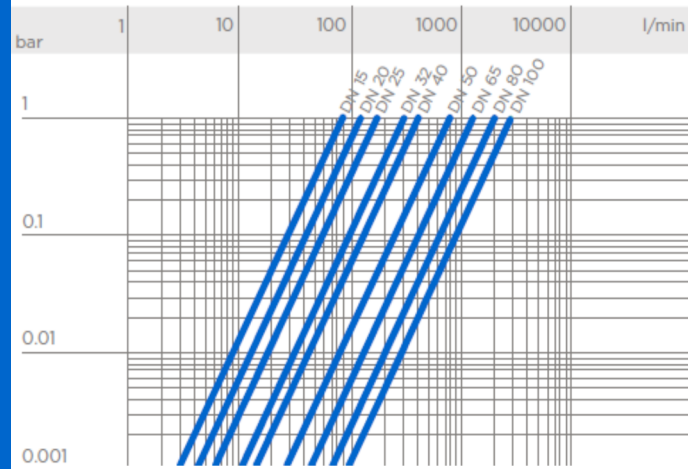
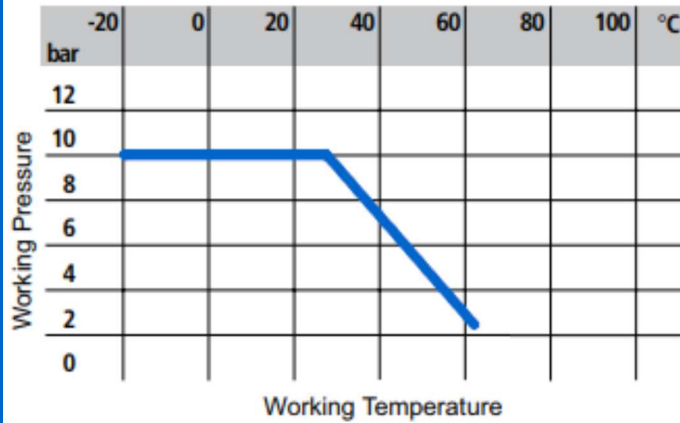
Optical position indicator supplied as standard

Full protection bonnet in PP-GR, no protruding bolts, no areas where impurities can accumulate. Internal circular and symmetrical diaphragm sealing area

Diaphragm available in EPDM, FPM, PTFE (NBR on request) and easy to replace



Threaded metal inserts for anchoring the valve



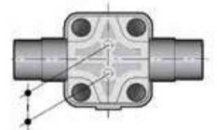
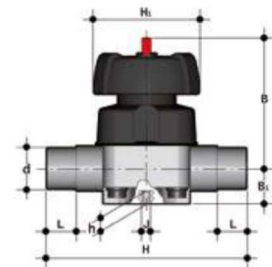
DN	15	20	25	32	40	50	65	80	100
Kv100 l/min	93	136	175	300	416	766	1300	2000	2700

The Kv100 flow coefficient is the Q flow rate of litres per minute of water at a temperature of 20°C that will generate $\Delta p = 1$ bar pressure drop at a certain valve position.

*The Kv100 values shown in the table are calculated with the valve completely open.

VMIA Diaphragm valve with male ends for solvent welding, metric series

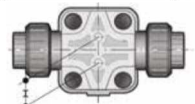
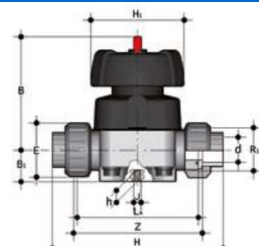
d	DN	PN	B	B ₁	H	h	H ₁	I	J	L	g
20	15	10	95	26	124	12	90	25	M6	16	
25	20	10	95	26	144	12	90	25	M6	19	
32	25	10	95	26	154	12	90	25	M6	22	
40	32	10	126	40	174	18	115	44.5	M8	26	
50	40	10	126	40	194	18	115	44.5	M8	31	
63	50	10	148	40	224	18	140	44.5	M8	38	
75	65	*10	225	55	284	23	200	100	M12	44	6225
90	80	*10	225	55	300	23	200	100	M12	51	6440
110	100	*10	295	69	340	23	250	120	M12	61	9015



*PTFE PN6

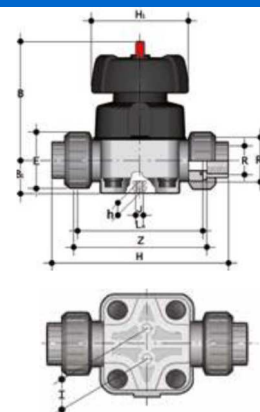
VMUIA Diaphragm valve with female union ends for solvent welding, metric series

d	DN	PN	B	B ₁	E	H	h	H ₁	I	J	L _A	R	Z	g
20	15	10	95	26	41	90	12	90	25	M6	108	1"	115	690
25	20	10	95	26	50	90	12	90	25	M6	108	1 1/4"	116	690
32	25	10	95	26	58	90	12	90	25	M6	116	1 1/2"	124	720
40	32	10	126	40	72	115	16	115	44.5	M8	134	2"	140	1520
50	40	10	126	40	79	115	16	115	44.5	M8	154	2 1/4"	16	1545
63	50	10	148	40	98	140	16	140	44.5	M8	184	2 3/4"	190	2275



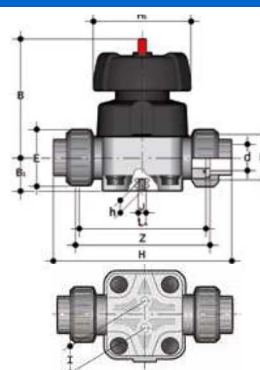
VMUFA Diaphragm valve with BSP threaded female union ends

R	DN	PN	B	B ₁	E	H	h	H ₁	I	J	L _A	R ₁	Z	g
½"	15	10	95	26	41	148	12	90	25	M6	108	1"	118	690
¾"	20	10	95	26	50	151	12	90	25	M6	108	1¼"	118	690
1"	25	10	95	26	58	165	12	90	25	M6	116	1½"	127	720
1¼"	32	10	126	40	72	188	16	155	44.5	M8	134	2"	145	1520
1½"	40	10	126	40	79	208	16	155	44.54	M8	154	2¼"	165	1545
2"	50	10	148	40	98	246	16	140	44.54	M8	184	2¾"	195	2275



VMUAA Diaphragm valve with female union ends for solvent welding, ASTM series

R	DN	PN	B	B ₁	E	H	h	H ₁	I	J	L _A	R ₁	Z	g
½"	15	10	95	26	41	16	12	90	25	M6	108	1"	115	
¾"	20	10	95	26	50	167	12	90	25	M6	108	1¼"	115	
1"	25	10	95	26	58	180	12	90	25	M6	116	1½"	122	
1¼"	32	10	126	40	72	208	16	115	44.5	M8	134	2"	144	
1½"	40	10	126	40	79	234	16	115	44.5	M8	154	2¼"	164	
2"	50	10	148	40	98	272	16	140	44.5	M8	184	2¾"	195	



VMULA Diaphragm valve with female union ends for solvent welding, BS series

R	DN	PN	B	B ₁	E	H	h	H ₁	I	J	L _A	R ₁	Z	g
½"	15	10	95	26	41	147	12	90	25	M6	108	1"	114	690
¾"	20	10	95	26	50	154	12	90	25	M6	108	1¼"	116	690
1"	25	10	95	26	58	166	12	90	25	M6	116	1½"	121	720
1¼"	32	10	126	40	72	184	16	115	44.5	M8	134	2"	142	1520
1½"	40	10	126	40	79	222	16	115	44.5	M8	154	2¼"	162	1545
2"	50	10	148	40	98	266	16	140	44.5	M8	184	2¾"	194	2275

