

Marck offers 3/2 - 2/2 way pneumatic diaphragm operated control valve for thermic fluid.

Size Range : 1/2" To 6" Flanged

Technical Specifications :

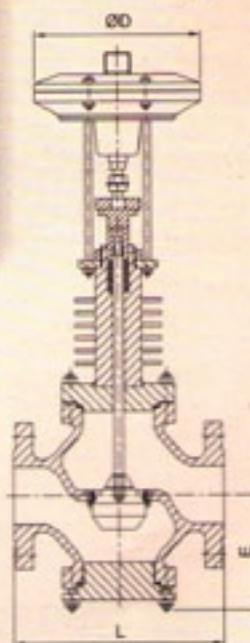
Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8 / CF8M
Bonnet	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8 / CF8M
Trims	13Cr / 18Cr 8 Ni
Plunger	AISI 410
Seal Rings	AISI 410
Stem	AISI 410/AISI 304/AISI 316
Gland Bush	AISI 410
Gland Plate	Carbon Steel
Bottom Flange	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8/CF8M
End Connection	Flanged Ends To ANSI B 16.5 RF 150# / 300# / 600#
Stem Packings	Metallic Wire Re-inforced Asbestos
Gasket	Asbestos Filler SS 304 Spiral Wound
Studs & Nuts	Carbon Steel
Diaphragm	Re-inforced Rubber / P.U
Temperature	450 °C
Manufacturing Std.	Generally Conforming to IS 10189 (Part - 1)
Insp. & Testing Std.	Generally Conforming to IS 10189 (Part - 1) ANSI B 16.104 / FCI 70-2

Accessories :

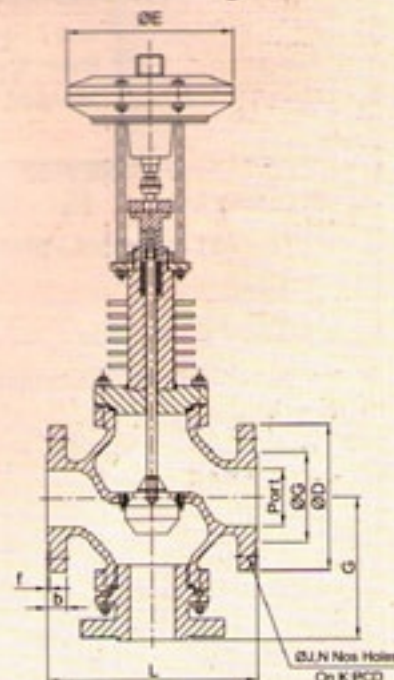
- 3/2 Way Solenoid Valve in all Standard Coil Voltage
(Flame Proof Solenoid Coil - on request)
- I/P Transducer (Converter)
- Pneumatic valve positioner
- Electro-Pneumatic valve positioner
- Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



2/2 Way



3/2 Way



Dimensions : 150#

(All dimensions are in MM)

Valve Model	Valve MM	Size Inch	Port	L	ØD	ØG	b	f	ØJ	N	PCD	E	G	ØE	Weight
VND-15-3	15	1/2	12.5	107.9	88.9	35.05	9.65	1.6	15.75	4	60.45	60	100	184	11.500
VND-20-3	20	3/4	17	117.3	98.55	42.95	10.41	1.6	15.75	4	69.85	60	100	184	11.500
VND-25-3	25	1	24	127	107.9	50.8	13	1.6	15.75	4	79.25	60	103	184	12.000
VND-40-3	40	1.1/2	37	203	127	73	16	1.6	15.75	4	98.55	80	134	235	22.500
VND-50-3	50	2	49	230	152.4	91.95	18	1.6	19.05	4	120.65	95	165	295	32.000
VND-65-3	65	2.1/2	64	190.5	177.8	104.65	18	1.6	19.05	4	139.7	105	170	295	47.000
VND-80-3	80	3	75	314	190.5	127	20	1.6	19.05	4	152.4	118	200	295	54.000
VND-100-3	100	4	98	350	290	157.23	19.05	1.6	19.05	8	190.5	140	225	315	80.000
VND-150-3	150	6	140	400	290	216	30	1.6	22.35	8	241.3	260	350	295	90.000

Hydrostatic Test Pressure

Body - 150#	425 PSIG
Body - 300#	1100 PSIG

'Marck' offers 3/2 - 2/2 way pneumatic diaphragm operated control valve for Air, Water, Oil, Gas & Steam.

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Technical Specifications :

Body & Bonnet	ASTM A 216 Gr. WCB.(S. Steel on Request) ASTM
End Connection	Flanged Ends to ANSI B 16.5 RF 150 #/ 300 # / 600 #
Trims	S. Steel AISI 410 Gr. & Hard chrome Plated
Stem Packing	Self Adjusting Spring Loaded Teflon 'V' Packing
Plug & Seating	Metal to Metal Seated Stellite Plug & Hardened Seat Soft Seated Teflon
Pressure-Temp. Rating	As per ANSI B 16.5 150 # / 300 #
Leakage	Metal to Metal Seated Class III - Soft Seated Teflon Class IV
Type	Diverting and / or Mixing
Working Temp.	Soft Seat / Teflon Seat 155 °C / Metal to Metal Seated 220 °C
Actuator Cover	Sheet Metal Pressing
Yoke	Fabricated Steel
Diaphragm	Polyurethane / Reinforced Rubber
Spring	Stainless Steel
Pneu. Working Pressure	upto 2 bar max. for sizes upto 50mm 65mm & above upto 3.2 bar max.
Oper. Cycles	240 cy/hr. (approx.) upto 25mm (Tested on Air, on other Fluids, this Figure may vary.)

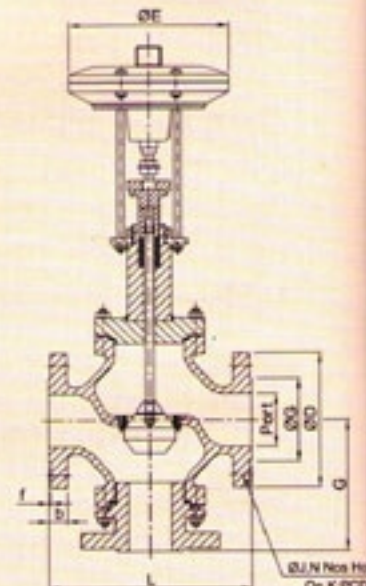
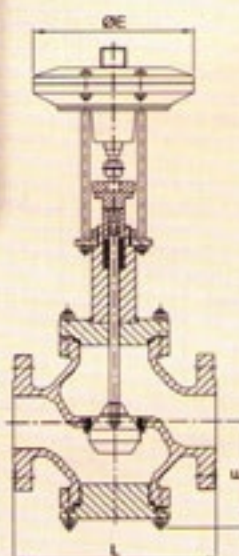
Accessories :

- 3/2 Way Solenoid Valve in all Standard Coil Voltage
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- Manual Over - ride
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



2/2 Way

3/2 Way



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(All dimensions are in MM)

Valve Model	Valve Size		Port	L	ØD	ØG	b	f	ØJ	N	PCD	E	G	ØE	Weight
	MM	Inch													
DND - 15	15	1/2	12.5	107.9	88.9	35.05	9.65	1.6	15.75	4	60.45	60	100	184	11.500
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DND - 40	40	1.1/2	37	203	127	73	16	1.6	15.75	4	98.55	80	134	235	25.000
DND - 50	50	2	49	230	152.4	91.95	18	1.6	19.05	4	120.65	95	165	295	28.000
DND - 65	65	2.1/2	64	190.5	177.8	104.65	18	1.6	19.05	4	139.7	105	170	295	45.000
DND - 80	80	3	75	314	190.5	127	20	1.6	19.05	4	152.4	118	200	295	50.000
DND - 100	100	4	98	350	290	157.23	19.05	1.6	19.05	8	190.5	140	225	315	84.000
DND - 150	150	6	140	400	290	216	30	1.6	22.35	8	241.3	260	350	295	100.00