

ISO 6431 Pneumatic Cylinder Operated Gate Valves

Airmax offers ISO 6431 standard pneumatic Cylinder operated Gate Valves, engineered for multiple ON/OFF operation in the down stream.

Size Range : 1" To 14"

Technical Specifications :

End Connection	Flanged and / or lugged to ANSI B 16.5 RF 150# Butt Weld Ends to ANSI B 16.5
Face to Face	ANSI B 16.10
Manufacturing Std	API 600
Inspection Testing Std.	API 598

Pneumatic Cylinder

Barrel	Stainless Steel / Aluminium Honed and Anodized Tube
End Covers	Aluminium Press Die Cast
Piston	Aluminium / Cast Iron
Piston Rod	Steel-Hard Chrome Plated / S. Steel
Seals	Nitrile / Polyurethane (Silicon, Viton on request.)
Working Press.	4 to 12 bar
Operating Temp.	Upto 85° C (High Temp. on request)

For more details please refer Catalogue APL/1015-1045

Gate Valve

Body	ASTM A 216 Gr. WCB [S / STEEL - on request]
Bonnet	ASTM A 216 Gr. WCB
Wedge (Solid)	ASTM A 216 Gr. WCB
Stem	13 Cr. Steel to AISI 410
Seat Rings	ASTM A 217 Gr. C A 15
Wedge Rings	ASTM A 217 Gr. C A 15
Back Seat Bushing	13 Cr. Steel to AISI 410
Gland	13 Cr. Steel to AISI 410
Gland Flange	Carbon Steel to IS 226
Stem Nut	S. G. IRON TO BS 2789
Lock Nut	Carbon Steel to BS 2789
Stem Packings	Metallic Wire Reinforced Asbestos
Bonnet Gasket	Asbestos Filter SS 304 Spril Wounded
Bonnet Studs	ASTM A 193 Gr. 87
Bonnet Nuts	ASTM A 194 Gr. 2H
Gland Eye Bolts & Nuts	ASTM A 307 Gr. B/S 4190
Gland Lug Bolts & Nuts	ASTM A 307 Gr. B/S 4190
Hydraulic Test Pressure	Body : at 425 PSIG Seat : at 300 PSIG Back Seat: 300 PSIG

Accessories :

5/2,3/2 Way Solenoid Valve, Pilot Valve, Filter Regulator, Moisture Separator, Quick Exhaust Valve are available on request.

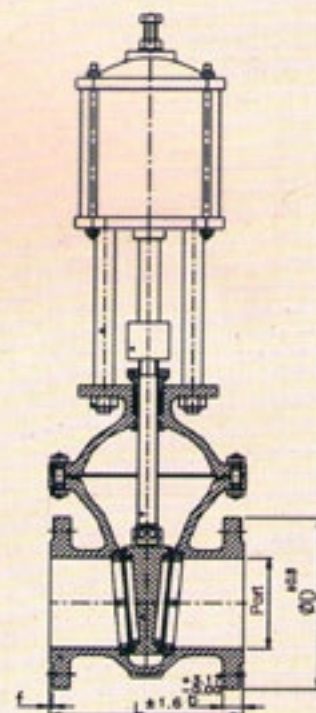
Dimensions :

(All dimensions are in MM)

MOC of Valve	Forged Steel					Cast Steel								
SIZE	25	32	40	50	65	80	100	125	150	200	250	300	350	400
Port	25	32	38	51	64	76	102	127	152	203	254	305	337	387
L face to face-RF	127	139.7	165.1	177.8	190.5	203.2	228.6	254	266.7	292.1	330.2	355.6	381	406.4
ØD	107.9	117.34	127	152.4	177.8	190.5	228.6	254	279.4	342.9	406.4	482.6	533.4	596.8
b	11.17	12.7	14.22	15.75	17.53	19.05	23.88	23.88	25.4	28.45	30.23	31.75	35.05	36.58



6D-0519



ISO 6431 Pneumatic Cylinder Operated Knife Gate Valves

"Airmax" offers ISO 6431 standard pneumatic Cylinder operated Knife Gate Design Valves are Solution to Heavy Fluid ON/OFF problems with tight shut off, leak proof provision.

APPLICATION : Slurries, Sludges, Powders, in Pulp & Paper, Textile, Chemical, Sewage, Sugar Plants

Size Range : 1" To 16"

Technical Specifications :

End Connection	Flanged and / or lugged to ANSI B 16.5 RF 150#
Face to Face	MSS SP-81
Manufacturing Std	MSS SP-81
Inspection Testing Std.	MSS SP-81

Pneumatic Cylinder

Barrel	Stainless Steel / Aluminium Honed and Anodized Tube
End Covers	Aluminium Press Die Cast / SG. Iron
Piston	Aluminium / Cast Iron / SG. Iron
Piston Rod	Steel-Hard Chrome Plated / S. Steel
Seals	Nitrile (Silicon, Viton on request.)
Working Press.	4 to 12 bar
Operating Temp.	Upto 85° C (High Temp. on request)

For more details please refer Catalogue APL/1015-1045

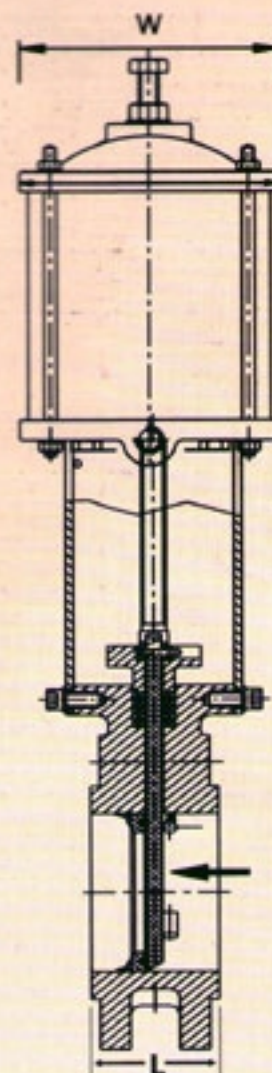
Knife Gate Valve

Body	ASTM A 351 Gr. CF 8 / CF 8 M / Combination of WCB & S/S
Knife Plate	SS 304 / SS 316
Seat	Nitrile (Silicon, EPDM, Viton Teflon & Metal Seated on request)
Packings	PTFE - impregnated asbestos layered with moulded rubber
Bosses	SS 304 / SS 316
Hydraulic Test Pressure	Body : at 11 Kg/Cm ² Seat : at 2.8 Kg/Cm ²

Dimensions : (All dimensions are in MM)

Working Pressure		W-Overall Width 0 ~ 5 kg/cm ²	L-Face to Face Metal / Rubber PTFE
Valve Size			
mm	Inch		
50	2	98	48
65	2.5	98	48
80	3	98	51
100	4	118	51
125	5	118	57
150	6	140	57
200	8	180	70
250	10	200	70
300	12	220	76
350	14	275	76
400	16	275	89
450	18	370	89
500	20	405	114
550	22	470	114
600	24	470	114

• The valve can be supplied with untapped holes or through holes as per at specific request of the user/client.



"Airmax" offers ISO 6431 standard pneumatic Cylinder operated Knife Edge Design Knife Pulp Valve, are Solution to PULP & Heavy Fluid ON/OFF problems in Paper Industries

APPLICATION : Slurries, Sludges, Powders, in Pulp & Paper, Textile, Chemical, Sewage, Sugar Plants

Size Range : 1.1/2" To 40"

Technical Specifications :

End Connection	Wafer/Luged to suit BS 10 Table 'D' / ANSI B 16.5 (150#)
Manufacturing Std	MSS SP-81
Inspection Testing Std.	MSS SP-81

Pneumatic Cylinder

Barrel	Stainless Steel / Aluminium Honed and Anodized Tube
End Covers	Aluminium Press Die Cast / SG. Iron
Piston	Aluminium / Cast Iron / SG. Iron
Piston Rod	Steel-Hard Chrome Plated / S. Steel
Seals	Nitrile (Silicon, Viton on request.)
Working Press.	4 to 12 bar
Operating Temp.	Upto 85° C (High Temp. on request)

For more details please refer Catalogue APL/1045

Pulp Valve

Body	C. I. IS 210 Gr. FG 200 (CAST STEEL / STAINLESS STEEL - on request)
Yokes	Carbon Steel
Knife Plate	SS 304 / SS 316
Seat	Resilient / Metal to Metal
Gland Plates	C. I. IS 210 Gr. FG 200 (Cast steel)
Stem Nut	G. M. / S.G. Iron
Gland Packings	PTFE Impregnated Asbestos (Style No. 1094)
Gasket	CAF / Resilient
Hydraulic Test Pressure	Body : at 5 Kg/Cm ² Seat : 2.8 Kg /Cm ²

Accessories :

5/2, 3/2 Way Solenoid Valve, Pilot Valve, Filter Regulator, Moisture Separator, Quick Exhaust Valve are available on request.

Dimensions :

(All dimensions are in MM)

Size		B	P.C.D.	ØK	Weight (Approx)
MM	Inch				
40	1½	35	98.5	1/2"	-
50	2	40	120.7	5/8"	-
65	2½	45	139.7	5/8"	-
80	3	45	152.4	5/8"	-
100	4	50	190.5	5/8"	-
125	5	55	215.9	5/8"	-
150	6	60	241.3	3/4"	29.040
200	8	65	298.45	3/4"	38.960
250	10	68	362	3/4"	-
300	12	70	431.8	7/8"	60.000
350	14	72	476.25	7/8"	-
400	16	76	539.8	1"	-
450	18	89	578	1.1/8"	-
500	20	114	635		
600	24	114	749.3		
700	28	On Request			
750	30				
800	32				
900	36				
1000	40				

