

LINED VALVES



AVENT
Valves and Actuators

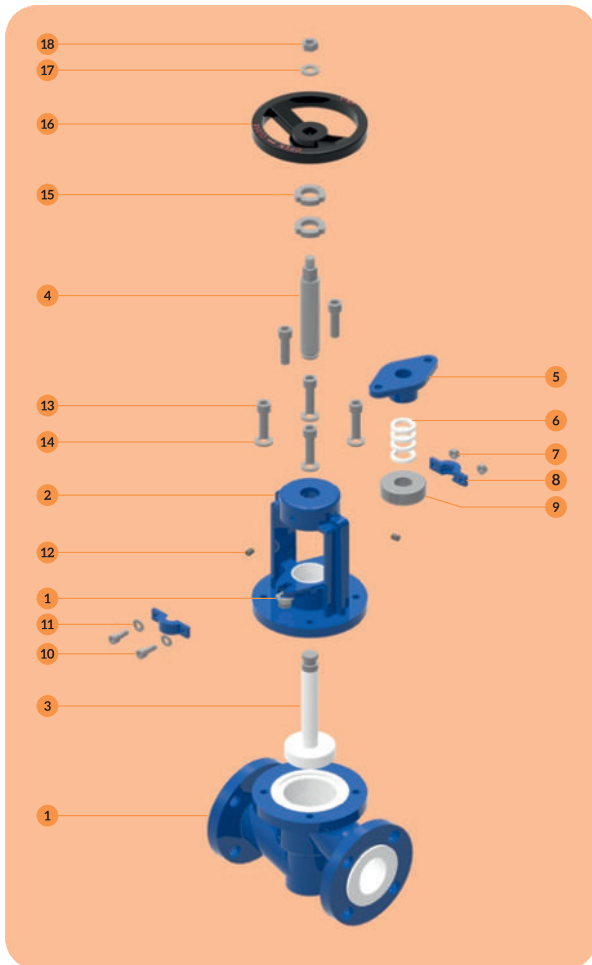
VALVE SOLUTIONS
for Corrosive
Applications



LINED GLOBE VALVE FLANGED ENDS

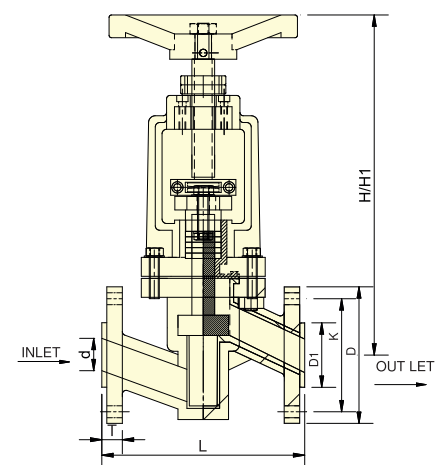
PART LIST

PART NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION	QTY.
1	Body	ASTM A 216 GR.WCB + PFA LINED	1
2	Bonnet / Yoke	ASTM A 216 GR.WCB + PFA LINED	1
3	Plug With Integral Stem	SS 304 + PFA LINED	1
4	Spindle	SS 304	1
5	Gland Cover	ASTM A 216 GR. WCB	1
6	Chevron Packing	PTFE	4
7	Saddle Nuts	SS 304	2
8	Saddle	ASTM A 216 GR. WCB	1
9	Stem Sleeve	SS 304	1
10	Saddle Allen Bolts	HT STEEL GR. 10.9	2
11	Saddle Bolt Washers	STEEL	2
12	Grub Screws For Sleeve	HT	2
13	Body Bolts	ASTM A 193 GR. B7	4-6
14	Body Bolt Washers	STEEL	4-6
15	Stem Lock Nuts	SS 304	2
16	Hand Wheel	CARBON STEEL	1
17	Handwheel Washer	STEEL	1
18	Handwheel Nut	SS 304	1



PRODUCT DESIGN AND TESTS PERFORMED

DESIGN PARAMETERS	STANDARD
Design Standard	API 600 / BS 18 73
Shell Design	ANSI B 16.34
Face To Face Dimensions	EN 558- SERIES 1
Flange Connection Rating	ANSI B 16.5 150# / DIN PN 10
Testing Standard	BS EN 12266-1
Connection	FLANGED, RF
TESTS PERFORMED	EN 12266-1
Sizes	0.5"-4"
High Pressure Shell Test Hydro	225 PSI
High Pressure Seat Test Hydro	165 PSI
Low Pressure Seat Test Pneumatic	75 PSI
SPARK TEST	KVDC
Testing Done At	20 KVDC
MATERIAL	OPTIONS AVAILABLE
Castings	ASTM A 216 GR. WCB, ASTM A 351 GR. CF8 / CF8M, HASTELLOY C 276 / INCONEL
Lining Materials	PFA/PE/ETFE/PVDF/PPH



DIMENSIONS

Size	L ±0.12		d ±0.04		D1 ±0.08		D ±0.08		K ±0.08		T ±0.05		H1 ±0.10		n	ø	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM		INCH	MM
0.5"	5.11	130	0.49	12.5	1.37	35	3.74	95	2.36	60	0.59	15	10.40	265	04	5/8	16
0.75"	5.90	150	0.74	19	1.69	43	4.13	105	2.75	70	0.59	15	10.40	265	04	5/8	16
1"	6.29	160	0.98	25	2.48	51	4.25	108	3.10	79	0.61	15.5	11.60	295	04	5/8	16
1.5"	7.87	200	1.49	38	2.87	73	5.07	129	3.85	98	0.82	21	14.30	365	04	5/8	16
2"	9.05	230	1.96	50	3.62	92	6.06	154	4.76	121	0.82	21	15.40	393	04	3/4	19
3"	12.20	310	2.95	75	5.00	127	7.48	190	6.00	152.5	0.98	25	18.30	465	04	3/4	19
4"	13.77	350	3.93	100	6.18	157	9.01	229	7.50	191	1.06	27	21.50	547	08	3/4	19

All Dimensions are in Inches & mm unless otherwise specified. PCD of the Valve can be provided in ANSI / DIN / JIS.
Tolerances are given in Inches.

GLOBE CONTROL VALVE FLANGED ENDS



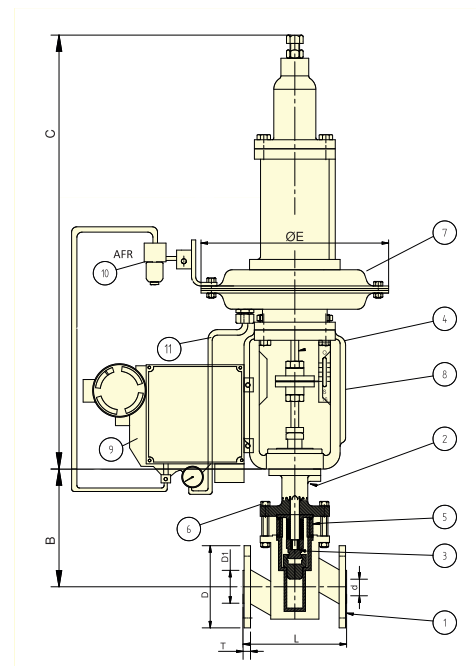
PART LIST

PART NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION	QTY.
1	Body	ASTM A 216 GR.WCB + PFA LINED	1
2	Bonnet	ASTM A 216 GR.WCB BOLTED	1
3	Bellow	PTFE	1
4	Stem	SS 316	1
5	Adaptor	CS + PFA + LINED	1
6	Fasteners	SS 304	-
7	Actuator	CI EPOXY PAINTED	1
8	Yoke	CI EPOXY PAINTED	1
9	Positioner	CUSTOMER REQUIREMENT	1
10	AFR	CUSTOMER REQUIREMENT	1
11	Tubing	SS 304	1

PRODUCT DESIGN AND TESTS PERFORMED

DESIGN PARAMETERS	STANDARD	
Design Standard	API 600 / BS 18 73	
Shell Design	ANSI B 16.34	
Face To Face Dimensions	EN 558-SERIES 1	
Flange Connection Rating	ANSI B 16.5 150# / DIN PN 10	
Testing Standard	BS EN 12266-1	
Connection	FLANGED, RF	
TESTS PERFORMED	EN 12266-1	EN 12266-1
Sizes	0.5"-4"	5"-8"
High Pressure Shell Test Hydro	225 PSI	135 PSI
High Pressure Seat Test Hydro	165 PSI	105 PSI
Low Pressure Seat Test Pneumatic	75 PSI	75 PSI
SPARK TEST	KVDC	
Testing Done At	20 KVDC	
MATERIAL	OPTIONS AVAILABLE	
Castings	ASTM A 216 GR. WCB, ASTM A 351 GR. CF8 / CF8M, HASTELLOY C 276 / INCONEL	
Lining Materials	PFA/FEP/ETFE/PVDF/PPH	

SECTIONAL VIEW



DIMENSIONS

Size	L ±0.11		d ±0.04		D1 ±0.04		D ±0.04		K ±0.062		T ±0.11/0.00		n	ø		B ±0.00		C ±0.00		øE	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM		INCH	MM	INCH	MM	INCH	MM	INCH	MM
0.5"	5.11	130	0.49	12.5	1.37	35	3.74	95	2.36	60	0.59	15	04	5/8	16	6.50	165	26.3	670	11.4	290
0.75"	5.90	150	0.74	19	1.69	43	4.13	105	2.75	70	0.59	15	04	5/8	16	7.16	182	26.3	670	11.4	290
1"	6.2	160	0.98	25	2.00	51	4.25	108	3.11	79	0.49	12.5	04	5/8	16	7.16	182	26.3	670	11.4	290
1.5"	7.87	200	1.5	38	2.87	73	5.00	127	3.86	98	0.7	18	04	5/8	16	9.76	248	26.3	670	11.4	290
2"	9.0	230	1.97	50	3.62	92	5.98	152	4.76	121	0.7	18	04	3/4	19	10.1	258	26.3	670	11.4	290
3"	12.2	310	2.95	75	5.0	127	7.48	190	5.98	152	0.86	22	08	3/4	19	11.4	290	27.4	697	15.0	382
4"	13.7	350	3.7	100	6.18	157	9.01	229	7.52	191	0.94	24	08	3/4	19	13.0	331	27.4	697	15.0	382

All Dimensions are in Inches & mm unless otherwise specified. PCD of the Valve can be provided in ANSI / DIN / JIS.
Tolerances are given in Inches.