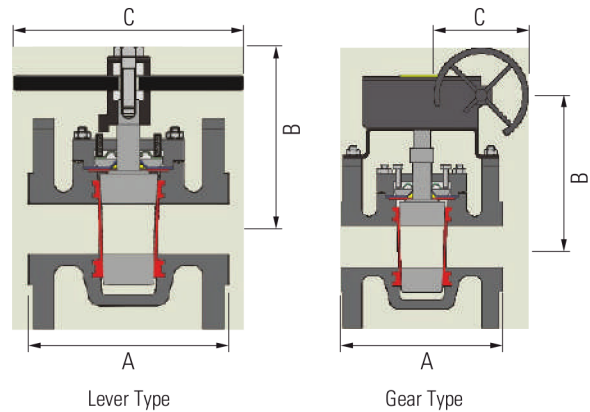


PLUG VALVE GEAR / LEVER TYPE

CAST IRON / CARBON STEEL / STAINLESS STEEL



Tel: 03-5569 2933 (6 Lines) Fax: 03-5569 2588, 5569 2788
Email: mercroid@mercroid.com.my, valmicro@valmicro.com.my
http://www.mercroid.com.my



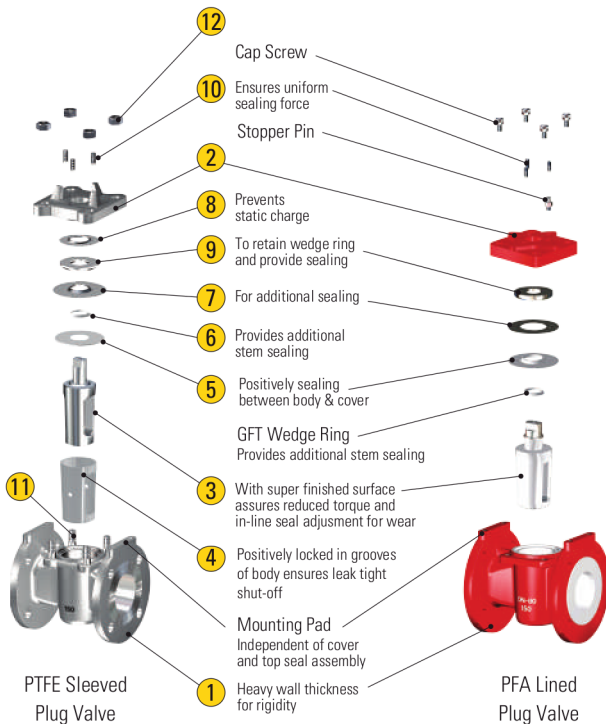
APPLICATION

Suitable for water, steam, oil, gases, abrasive and non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Face to Face Dimension	ASME B16.10
Pressure Rating	Class 150 and 300
Flanged End Dimension	ASME B16.5
BW End Dimension	ASME B16.25
Test and Inspection	API 598
Pressure-Temperature Rating	ASME 16.34

VALVE PARTS



MATERIAL

Parts	Material
1 / 2 Body & Cover	Ductile Iron ASTM A395 / Steel ASTM A216 Gr. WCB / ASTM A351 Gr. CF8 / CF8M / CN7M
3 Plug	Steel ASTM A217 Gr. CA15 / ASTM A351 Gr. CF8 / CF8M / CN7M
4 / 5 Sleeve / Diaphragm	PTFE / CFT
6 Wedge Ring	PTFE / Grafoil
7 / 8 Metal Diaphragm / Static Eliminator	ASTM A240 Type 304
9 Thrust Collar	ASTM A351 Gr. CF8
10 Adjusting Screws	ASTM A276 Type 304
11 / 12 Studs / Nuts	ASTM A193 Gr. B8 / ASTM A194 Gr. 8
13 / 14 Adapter / Lever	Steel - Powder coated
15 Gear Unit	Housing in Cast Iron, Gear in S. G. Iron and Worm in ENB

DIMENSIONS

Size	A			B	C	Port Area IN mm ² (inch ²)	% Port Open	Approx. Wt, Kg (LB)		
	Class 150	Class 300	DIN					Class 150	Class 300	DIN
15 (1/2)	108 (4.3)	140 (5.5)	130 (5.1)	95 (3.7)	225 (8.9)	120 (0.19)	92	2.0 (4.5)	3.5 (8)	2.6 (6)
20 (3/4)	117 (4.6)	152 (6.0)	150 (5.9)	100 (3.9)	225 (8.9)	240 (0.37)	86	2.5 (5.5)	5 (11)	3.5 (8)
25 (1)	140 (5.5)	165 (6.5)	160 (6.3)	110 (4.3)	225 (8.9)	390 (0.60)	80	4.5 (10)	6.5 (14)	5.7 (13)
40 (1-1/2)	165 (6.5)	190 (7.5)	200 (7.9)	120 (4.7)	325 (12.8)	750 (1.16)	66	7.5 (17)	11 (24)	9.6 (21)
50 (2)	178 (7.0)	216 (8.5)	230 (9.1)	141 (5.6)	450 (17.7)	1450 (2.25)	74	12 (27)	16 (35)	15 (33)
65 (2-1/2)	190 (7.5)	241 (9.5)	290 (11.4)	145 (5.7)	450 (17.7)	2080 (3.22)	66	15 (33)	19 (42)	22 (49)
80 (3)	203 (8.0)	283 (11.1)	310 (12.2)	160 (6.3)	450 (17.7)	2540 (3.94)	53	18 (40)	22 (49)	24 (53)
100 (4)	229 (9.0)	305 (12.0)	350 (13.8)	195 (7.7)	750 (29.5)	4470 (6.93)	57	30 (66)	44 (97)	38 (84)
125 (5)	254 (10.0)	381 (15.0)	400 (15.7)	215 (8.5)	750 (29.5)	7305 (11.32)	58	44 (97)	78 (172)	78 (172)
150 (6)	267 (10.5)	403 (15.9)	450 (17.7)	250 (9.8)	800 (33.5)	10010 (15.52)	55	60 (132)	91 (212)	90 (198)
200 (8)	292 (11.5)	419 (16.5)	600 (23.6)	280 (11.0)	900 (35.4)	15800 (24.50)	49	96 (212)	148 (326)	166 (366)
250 (10)	330 (13.0)	457 (18.0)	730 (28.7)	340 (13.4)	900 (35.4)	23820 (36.92)	47	142 (313)	210 (463)	270 (595)
300 (12)	356 (14.0)	502 (19.8)	850 (33.5)	390 (15.4)	900 (35.4)	31220 (48.40)	43	195 (430)	280 (617)	395 (870)
350 (14)	381 (15.0)	-	-	450 (17.7)	900 (35.4)	38180 (59.18)	43	270 (595)	-	-
400 (16)	762 (30.0)	-	-	595 (23.4)	900 (35.4)	74458 (115.41)	61	560 (1235)	-	-
450 (18)	864 (34.0)	-	-	650 (25.6)	900 (35.4)	97938 (151.80)	65	950 (2094)	-	-

*Specification given are subject to changed without further notice.