

BUTTERFLY VALVE

HW SERIES*

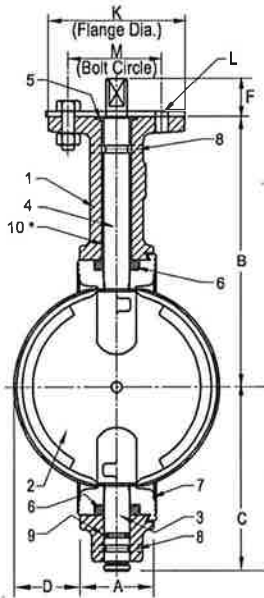
2"-12" - 250 PSI (1725 kPa)

RATINGS

250 PSI Butterfly Valve
Non Shock Water, Oil,
Gas

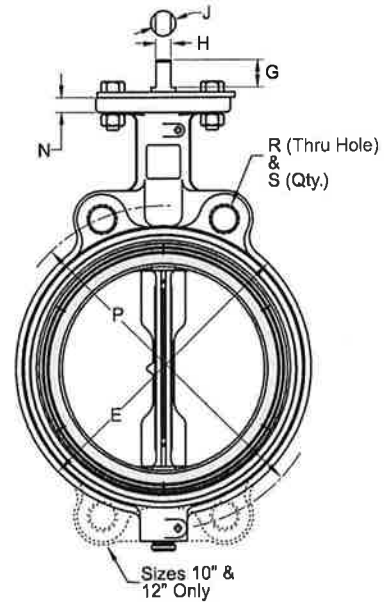
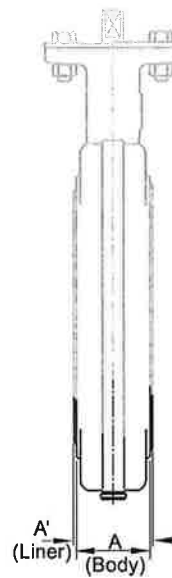
SPECIFICATIONS

MSS SP-67
API-609



For Dead End Applications Use
Milwaukee Valve "HL Series"
Products.

Approved by U.S. Coast Guard
for use in Category A service as
described in Title 46 Code of
Federal Regulations 56.20-15.



ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON-ASTM A126 CL B
		CAST IRON-EPOXY COATED
		CAST IRON-NYLON COATED
		DUCTILE IRON-ASTM A536
		DUCTILE IRON-EPOXY COATED
2	DISC	DUCTILE IRON-NYLON COATED
		NP DUCTILE IRON-ASTM A536
3	BOTTOM STEM	ALUMINUM BRONZE-ASTM B148
		STAINLESS STEEL-TYPE 316
4	TOP STEM	STAINLESS STEEL TYPE 416
		STAINLESS STEEL TYPE 316
5	TOP BEARING	STAINLESS STEEL TYPE 416
6	SEAL	REINFORCED NYLON
7	LINER	EPDM, BUNA, VITON(1)
		BUNA
		EPDM
		VITON
		HYPALON
8	ROLL PIN	NEOPRENE BLACK-FDA
		NEOPRENE WHITE-FDA
9	STEM SEAL	STAINLESS STEEL
		EPDM, BUNA, VITON(1)
10*	LOWER BEARING	EPDM, BUNA, VITON(1)
11	OPERATOR	REINFORCED NYLON
		LEVER HANDLE
		EPOXY COATED LEVER
		GEAR OPERATOR
		GEAR OP W/ MEMORY STOP
		GEAR OP W/ LOCK
		ACTUATOR-AIR/AIR
		ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC

HW_101300_MAT.XLS
(1) VITON O-RINGS ARE USED WITH HYPALON, NEOPRENE, AND TEFLON
LINERS. * Provided on 8", 10", 12".

DIMENSIONS

	INCHES	2	2-1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
A (Body)	INCHES	1.69	1.81	1.81	2.07	2.19	2.19	2.38	2.69	3.06
	mm	42.9	46.1	46.0	52.5	55.6	55.6	60.3	68.3	78.0
A' (Liner)	INCHES	1.82	1.94	1.94	2.20	2.32	2.31	2.51	2.82	3.21
	mm	46.1	49.1	49.1	55.8	58.8	58.7	63.6	71.5	82.0
B	INCHES	5.50	6.00	6.25	7.00	7.53	8.00	9.38	10.56	12.06
	mm	139.7	152.4	158.8	177.8	191.3	203.2	238.1	268.3	306.4
C	INCHES	3.06	3.31	3.75	4.25	4.94	5.56	6.56	7.88	9.25
	mm	77.8	84.1	95.3	108.0	125.4	141.3	166.7	200.0	236.0
D (Chord Dia)	INCHES	1.49	2.01	2.64	3.67	4.71	5.86	7.72	9.70	11.68
	mm	37.8	51.1	67.1	93.2	119.6	143.8	196.1	246.4	296.7
D' (Intrusion)	INCHES	0.28	0.44	0.69	1.06	1.50	1.94	2.84	3.89	4.50
	mm	7.1	11.1	17.5	27.0	38.1	49.2	72.2	99.7	114.3
E	INCHES	4.13	4.88	5.38	6.88	7.75	8.75	11.00	13.38	16.13
	mm	104.8	123.8	136.6	174.8	196.9	222.3	279.4	339.7	409.6
F	INCHES	1.13	1.13	1.13	1.13	1.13	1.13	1.50	1.50	1.50
	mm	28.6	28.6	28.6	28.6	28.6	28.6	38.1	38.1	38.1
G	INCHES	0.81	0.81	0.81	0.81	0.81	0.81	1.06	1.06	1.06
	mm	20.6	20.6	20.6	20.6	20.6	20.6	27.0	27.0	27.0
H	INCHES	0.35	0.35	0.35	0.40	0.40	0.44	0.53	0.71	0.71
	mm	8.9	8.9	8.9	10.2	10.2	11.2	13.5	18.0	18.0
J	INCHES	0.50	0.50	0.50	0.56	0.56	0.62	0.75	1.00	1.00
	mm	12.6	12.6	12.6	14.2	14.2	15.8	19.0	25.4	25.4
K	INCHES	4	4	4	4	4	4	6	6	6
	mm	101.6	101.6	101.6	101.6	101.6	101.6	152.4	152.4	152.4
L	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.56	0.56	0.56
	mm	11.1	11.1	11.1	11.1	11.1	11.1	14.3	14.3	14.3
M	INCHES	3.25	3.25	3.25	3.25	3.25	3.25	5.00	5.00	5.00
	mm	82.6	82.6	82.6	82.6	82.6	82.6	127.0	127.0	127.0
N	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.50	0.50	0.50
	mm	11.1	11.1	11.1	11.1	11.1	11.1	12.7	12.7	12.7
P	INCHES	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00
	mm	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
R	INCHES	5/8	5/8	5/8	5/8	3/4	3/4	3/4	7/8	7/8
	mm	15.9	15.9	15.9	15.9	19.0	19.0	19.0	22.2	22.2
S	INCHES	2	2	2	2	2	2	4	4	4
	mm	50.8	50.8	50.8	50.8	50.8	50.8	101.6	101.6	101.6

01/01/00 WJL Rev. 7

***Note:** The wetted surface of this product (In any material combination.) contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

The information presented on this sheet is correct at the time of publication. Milwaukee Valve reserves the right to change design, and/or material specifications without notice. For the Installation, Operation and Maintenance Manual (IOM) see the engineering section on our website. For the most current information access www.milwaukeevalve.com



M L 2 3 4 V A

VALVE SERIES	BODY STYLE	OPERATOR	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL	SPECIAL OPTIONS
C - C SERIES	1 - LUG BODY	1 - VALVE ONLY	2 - CAST IRON*	2 - NICKEL PLATED DUCTILE IRON	B - BUNA-N	S - 316 STEM W/AB OR NP DISC
H - H SERIES (250 psi)	2 - WAFER BODY	2 - LEVER HANDLE	3 - DUCTILE IRON	3 - ALUMINUM/BRONZE	E - EPDM	A - EPOXY COATED BODY
M - M SERIES		3 - GEAR OPERATOR		4 - CF8M(316) STAINLESS STEEL	H - HYPALON	AD - ASSEMBLY DRY
O - O SERIES		5 - GEAR W/MEMORY STOP	* MILWAUKEE VALVE RESERVES THE RIGHT TO UPGRADE TO DI BODY WITHOUT NOTICE FOR NO ADDITIONAL COST.	7 - NYLON COATED DUCTILE IRON	NB - FDA BLACK NEOPRENE	LF - LOW FRICTION (Consult Factory)
U - U SERIES (50 psi)		9 - GEAR W/LOCKOUT		8 - EPOXY COATED DUCTILE IRON	NW - FDA WHITE NEOPRENE	
		N - BURIED SERVICE GEAR OPERATION W/2 SQUARE NUT			T - TEFLON (BUNA SUBSTITUTE) (AVAILABLE W/SS DISC AND STEM ONLY)	
					V - VITON	