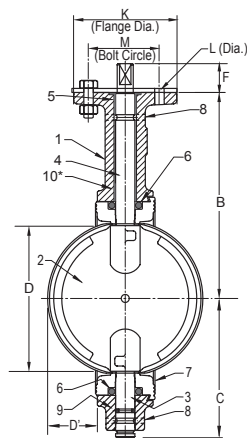


6411-00/6411-01/6411-03* 2"-12"

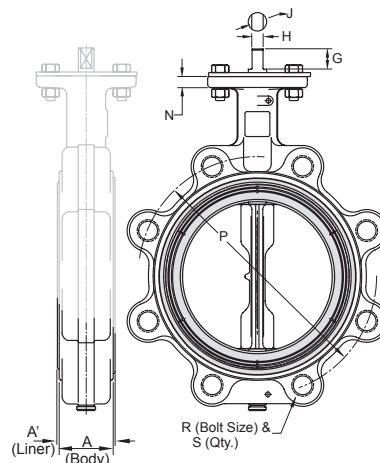
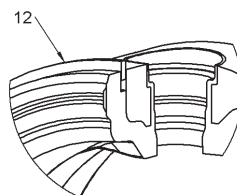


Tested and Certified by
IAPMO R&T to NSF/ANSI 372
for lead free compliance.

**Iron Butterfly Valve
for Potable Water**
200 psi Non-Shock WOG
Bi-Directional Dead End
Service to 200 psi Max
Specifications: API-609 MSS SP-67 Type 1



**Bi-Directional Dead
End Service to 200
PSI Max.
EPDM Only.**



MATERIALS LIST

ITEM	PART	MATERIALS
1	BODY	DUCTILE IRON-ASTM A536
2	DISC	ALUMINUM BRONZE-ASTM B 148**
3	BOTTOM STEM	STAINLESS STEEL TYPE 416
4	TOP STEM	STAINLESS STEEL TYPE 416
5	TOP BEARING	REINFORCED NYLON
6	SEAL	
7	LINER	EPDM
8	ROLL PIN	STAINLESS STEEL
9	STEM SEAL	EPDM, BUNA, VITON
10	LOWER BEARING	REINFORCED NYLON
11	OPERATOR	LEVER HANDLE
		EPOXY COATED LEVER HANDLE
		GEAR OPERATOR
		GEAR OPERATOR WITH MEMORY STOP
		GEAR OPERATOR WITH LOCK
		ACTUATOR-AIR/AIR
		ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC
12	RETAINING RING	1066 SPRING STEEL (65Mn)

*Provided on 8", 10" and 12".

DIMENSIONS

		VALVE SIZE									
		INCHES DN	2	2-1/2	3	4	5	6	8	10	12
A (Body)	INCHES	1.69	1.81	1.81	2.07	2.19	2.19	2.38	2.69	3.06	
	mm	43	46	46	52	55	55	60	68	78	
A ¹ (Body)	INCHES	1.82	1.94	1.94	2.20	2.32	2.32	2.51	2.82	3.21	
	mm	46	49	49	55	58	58	63	71	82	
B	INCHES	5.50	6.00	6.25	7.00	7.53	8.00	9.38	10.56	12.06	
	mm	139	152	158	177	191	203	238	268	306	
C	INCHES	3.06	3.31	3.75	4.25	4.94	5.56	5.56	7.88	9.25	
	mm	77	84	95	108	125	141	166	200	235	
D (Chord Dia)	INCHES	1.49	2.01	2.64	3.67	4.71	5.66	7.72	9.70	11.68	
	mm	37	51	67	93	119	143	196	246	296	
D ¹ (Intrusion)	INCHES	0.28	0.44	0.69	1.06	1.50	1.94	2.84	3.69	4.50	
	mm	7	11	17	27	38	49	72	93	114	
F	INCHES	1.13	1.13	1.13	1.13	1.13	1.13	1.50	1.50	1.50	
	mm	28	28	28	28	28	28	38	38	38	
G	INCHES	0.81	0.81	0.81	0.81	0.81	0.81	1.06	1.06	1.06	
	mm	20	20	20	20	20	20	27	27	27	
H	INCHES	0.35	0.35	0.35	0.40	0.40	0.44	0.53	0.71	0.71	
	mm	8	8	8	10	10	11	13	18	18	
J	INCHES	0.50	0.50	0.50	0.56	0.56	0.62	0.75	1.00	1.00	
	mm	12	12	12	14	14	14	19	25	25	
K	INCHES	4	4	4	4	4	4	6	6	6	
	mm	101	101	101	101	101	101	152	152	152	
L (Dia)	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.56	0.56	0.56	
	mm	11	11	11	11	11	11	14	14	14	
M	INCHES	3.25	3.25	3.25	3.25	3.25	3.25	5.00	5.00	5.00	
	mm	82	82	82	82	82	82	127	127	127	
N	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.50	0.50	0.50	
	mm	11	11	11	11	11	11	12	12	12	
P	INCHES	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00	
	mm	120	139	152	190	215	241	298	362	431	
R	INCHES	5/8-11	5/8-11	5/8-11	5/8-11	3/4-10	3/4-10	3/4-10	7/8-9	7/8-9	
	mm	15.875	15.875	15.875	15.875	19.0	19.0	19.0	22.25	22.25	
S	INCHES	4	4	4	8	8	8	8	12	12	
	mm	101	101	101	203	203	203	203	305	305	

Note: Lead free refers to the wetted surface of the pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤0.25%. Source: California Health and Safety Code (116875).

The information presented on this sheet is correct at the time of publication. Hammond Valve reserves the right to change design, and/or material specifications without notice. For the Installation, Operation and Maintenance Manual (IOM) see the Technical/Service Information section on our website. For the most current information access www.hammondvalve.com
Hammond Valve is a registered trade mark of Milwaukee Valve Company.



6	2	1	1	01
SERIES	BODY DESCRIPTION / MATERIAL	DISC & STEM MATERIAL DESCRIPTION	LINER MATERIAL	OPTIONS
6 - 6000 SERIES	1 - WAFER / IRON (ASTM B126B)*	0 - NICKEL COATED DUCTILE	0 - BUNA - N	00 - BARE STEM
5 - 5000 SERIES	2 - LUG / IRON (ASTM B126B)*	IRON / 416 S.S.	1 - EPDM	01 - 10 POSITION LEVER LOCK
	3 - WAFER / DUCTILE (ASTM A536)	1 - ALUMINUM/BRONZE (ASTM B148) / 416 S.S.	3 - VITON	02 - INFINITE POSITION W/ MEMORY STOP
	4 - LUG / DUCTILE (ASTM A536)	2 - 316 S.S. / 316 S.S.	4 - EPOXY COATED IRON	03 - GEAR OPERATOR W/ HANDWHEEL
	8 - WAFER / DUCTILE EPOXY COATED	3 - BRONZE (ASTM B148) / 316 S.S.	5 - BLACK NEOPRENE	04 - BURIED SERVICE GEAR OPERATOR
	9 - LUG / DUCTILE EPOXY COATED	4 - NICKEL COATED DUCTILE	6 - WHITE NEOPRENE	W/ OPERATING NUT
		IRON / 316 S.S.	7 - HYPALON	
		5 - EPOXY COATED IRON	8 - TEFLON OVER BUNA	
		6 - NYLON COATED IRON		
* 5000 SERIES IS ONLY AVAILABLE IN CAST IRON WAFER OR LUG BODY WITH ALUMINUM BRONZE DISC, EPDM LINER, LEVER OR GEAR OPERATOR. *HAMMOND VALVE RESERVES THE RIGHT TO UPGRADE TO DUCTILE IRON BODIES WITHOUT NOTICE AND WITHOUT ADDITIONAL COST.				