

S E R I E S

AWWA Butterfly Valve

820



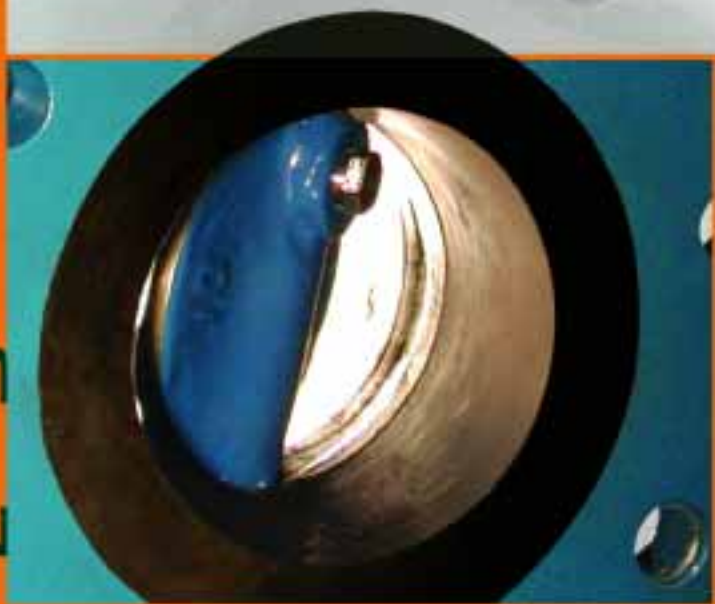
*Exceptional value,
superior quality,
and dependable
performance in water
and wastewater
applications.*



HOMESTEAD
V A L V E

FEATURES & BENEFITS

The Homestead Series 820 AWWA Butterfly Valve is in full compliance with AWWA C504, Class 150B. Valves are available in flanged and mechanical joint ends.



BODY: The cast iron body meets or exceeds the design strength requirements of the AWWA C504 standards. Flange drilling conforms to ANSI B16.1, Class 125. Mechanical joint ends conform to ANSI/AWWA C111/A21.11.

DISC: The smooth profile concentric design ductile iron disc minimizes pressure drop across the valve and insures stable flow characteristics. A fusion epoxy coating is standard.

DISC EDGE: The disc has a stainless steel edge to help reduce sealing torque and provide reliable long lasting service.

SHAFT: The stainless steel shaft is a one-piece through design providing high strength and positive control.

SEAT: The entire through surface of the body is bonded and vulcanized with a durable elastomer to prevent corrosion on the valve interior. Bi-directional bubble tight shutoff is standard.

SHAFT SEALS: Top and bottom seals are self-compensating chevron style v-type.

BEARINGS: Corrosion-resistant sleeve type top and bottom bearings provide smooth and stick-free operation and are suitable for vertical or horizontal shaft loading.

TORQUE BOLT: The stainless steel torque bolt provides a leak proof connection of the shaft to the disc.

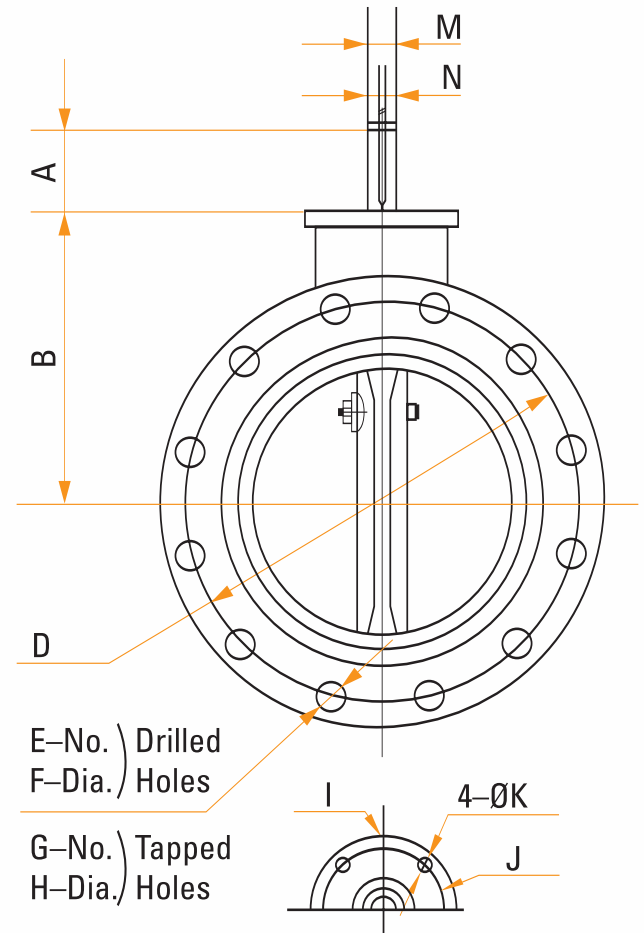
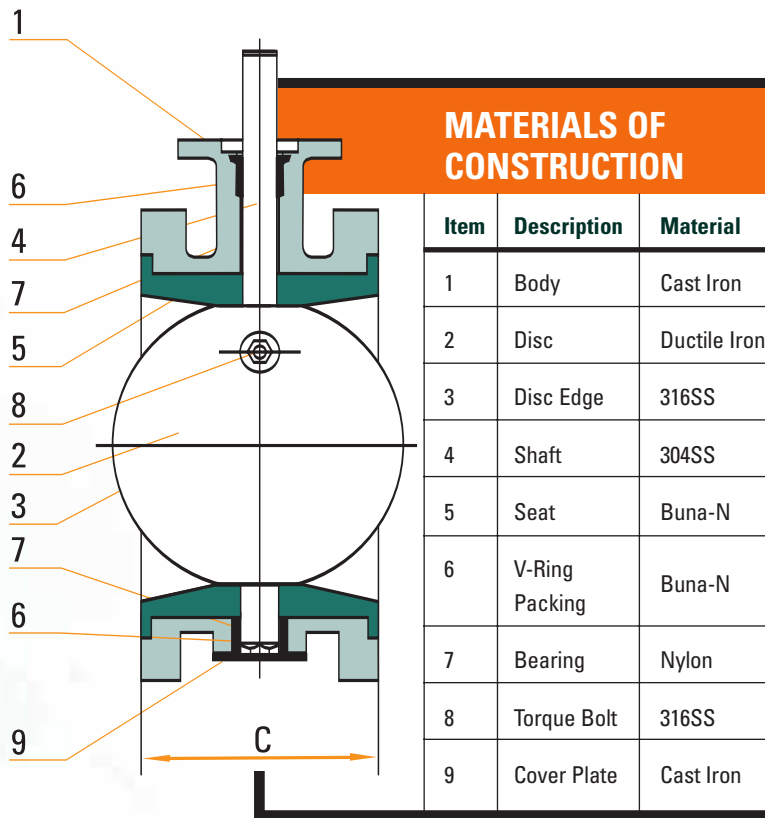
PAINT: All surfaces, with the exception of the rubber body interior, disc edge and finished surfaces are evenly coated with a high quality fusion bonded epoxy.

TESTING: Valves are capable of 200 psi to facilitate field hydro-testing.

ACTUATION: Valves are suitable for lever, manual gear, pneumatic and electric actuation.

— *designed for durability, dependability and economical service.*

3" — 24" CLASS 150B FLANGED



DIMENSIONAL TABLE

SIZE	A	B	C	D	E (No.)	F	G (No.)	H	I	J	K	M	N	WEIGHT (LBS.)
3	1.250	6.250	5.000	6.000	4	0.750	**	**	4.000	3.250	0.437	0.562	0.187	29
4	1.250	7.000	5.000	7.500	8	0.750	**	**	4.000	3.250	0.437	0.625	0.187	48
6	2.000	8.000	5.000	9.500	8	0.875	**	**	6.000	5.000	0.562	1.125	0.250	58
8	2.000	9.500	6.000	11.750	8	0.875	**	**	6.000	5.000	0.562	1.125	0.250	96
10	3.000	10.875	8.000	14.250	12	1.000	**	**	6.000	5.000	0.562	1.375	0.312	150
12	3.000	12.250	8.000	17.000	12	1.000	**	**	6.000	5.000	0.562	1.375	0.312	204
14	3.000	14.000	8.000	18.750	8	1.125	4	1.000	6.000	6.500	0.562	1.625	0.312	267
16	3.000	15.000	8.000	21.250	12	1.125	4	1.000	8.000	6.500	0.813	1.875	0.375	398
18	3.000	16.000	8.000	22.750	12	1.250	4	1.125	8.000	6.500	0.813	2.250	.500 x .375	433
20	3.000	18.000	8.000	25.000	16	1.250	4	1.125	8.000	6.500	0.813	2.250	.500 x .375	586
24	3.000	19.000	8.000	29.500	16	1.375	4	1.250	8.000	6.500	0.813	2.250	.748 x .500	780

SERIES 820 AWWA BUTTERFLY VALVE SUGGESTED SPECIFICATIONS



- Valves shall be of the rubber seat type, manufactured in accordance with AWWA C504, Class 150B, latest revision. Valves shall be bubble tight at the rated pressure, bi-directional, and be suitable for either on/off or throttling service. All valves shall be Homestead Series 820.
- Bodies shall be constructed of ASTM A126 Class B cast iron. Flanged valves shall be fully faced and drilled in accordance with ANSI B16.1, Class 125. Mechanical joint valves shall have ends conforming to ANSI/AWWA C111/A21.11.
- Discs shall be constructed of ASTM A536 grade 65-45-12 ductile iron with a 316 stainless steel edge.
- Rubber body seats shall cover the entire interior through surface of the body. Seats shall be of one-piece construction and be bonded and vulcanized to the body. Mechanically retained seats are not acceptable.
- Shafts shall be constructed of 304 stainless steel and be a one piece design.
- Bearings shall be constructed of a non-metallic, corrosion resistant material. Bearings shall be a sleeve type design, capable of horizontal or vertical shaft loading.
- Shaft packing shall be V-type chevron style. "U-Cup" or "O-Ring" packing is not acceptable.
- All valves shall be hydrostatic and seat leakage tested in strict accordance with AWWA C504.
- Manufacturer shall have a minimum of five years experience producing AWWA butterfly valves.

HOMESTEAD
V A L V E

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