

# GBTS

## Ductile Iron Butterfly Valve, Grooved



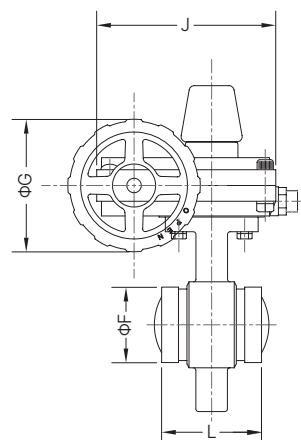
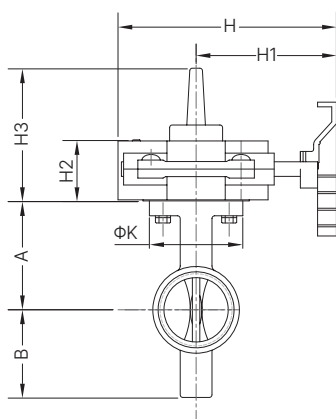
### Technical Features

- **Connections:** Grooved Ends (ANSI / AWWA C606)
- **Sizes:** 2", 5", 10", 12"
- **Approvals:** UL, ULC, FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Application:** Indoor and Outdoor Use
- Double-Seal Disc; Resilient EPDM Coating
- Factory-Installed Double Supervisory Switch
- Wiring Diagram, Section 2.16

Components	Material	Specification
Body	Ductile Iron	ASTM A536 Nylon-11 Coated
Disc	Ductile Iron	ASTM A536 EPDM Encapsulated
Indicator	Ductile Iron	ASTM A536
Housing	Ductile Iron	ASTM A536
Handwheel	Ductile Iron	ASTM A536
Stem	Stainless Steel	AISI 420
Worm Shaft	Stainless Steel	AISI 410
Shear Pin	Steel	ASTM A510
Gear Segment	Brass	ASTM B584
Housing Gasket	EPDM	EPDM Grade E
O-Ring (All)	EPDM	EPDM Grade E



Ductile Iron  
Butterfly Valves



### Dimensions

Nominal Pipe Size	L		A		B		F		G		H		H1		H2		H3		J		K		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
2"	3.2	81	3.5	89	2.6	65	2.4	60.3	5.9	150	8.2	208	5.9	151	2.6	65	4.3	108	5.8	147	3.5	90	16.00
5"	5.8	148	5.6	141	4.4	111	5.6	141.3	5.9	150	8.2	208	5.9	151	2.6	65	4.3	108	5.8	147	3.5	90	30.00
10"	6.3	159	8.5	216	7.7	196	10.8	273.0	9.8	250	11.9	303	9.4	239	2.9	73	4.5	115	7.5	190	4.9	125	63.00
12"	6.5	165	10	254	8.9	226	12.8	323.9	9.8	250	11.9	303	9.4	239	2.9	73	4.7	120	7.5	190	4.9	125	88.00



## Butterfly Valves - Supervised

### Installation Operation and Maintenance Guide

#### Design Requirements

The Aleum grooved butterfly valve should be connected to the piping system with approved couplings or flange adapters. Flow may be from either direction, and the valve may be positioned in any direction. Aleum butterfly valves have been designed with a slow-close hand wheel operator, which effectively minimizes water hammer. These valves feature minimum flow restriction and pressure loss when in the fully open position.

#### Care & Maintenance

Aleum butterfly valves require no regular maintenance. However, it is advisable to inspect and verify proper operation of the unit annually or in accordance with the authority having jurisdiction. The inspection should include a visual check for leakage at the valve pipe connection and body-to-operator connection. Inspection and maintenance should be performed by a qualified inspection service.

#### Microswitch

Aleum butterfly valves are provided with internal supervisor position switches. The tamper switch operates by a cam.

#### Installation

When the valves are received from the manufacturer, they should be handled carefully to avoid damage to the "A" Dim. seating area. Before installation of the valve, clean piping, flange, or coupling. If the valve closes hard, it is usually due to debris lodged in the sealing area. Often, this may be corrected by backing off the hand wheel and closing again. The valve should never be forced to seat by applying a wrench to the hand wheel, as this may distort the valve components. Use of excessive force to open or close the valve violates all warranties, whether express or implied. The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. Conduit and electrical connections to the optional tamper switch must be in accordance with the National Electrical Code (NFPA 72) and/or the requirements of the local authority having jurisdiction.

