

Features

- All materials comply with FDA, USDA, and 3-A requirements
- Highly polished internals and end caps with 32 Ra finish
- Forged ASTM 316L stainless steel valve body and end caps
- Tri-Clamp ends for hygienic connections
- Valve body machining and chamfering done by a single CNC process for precise fit
- 316L mirror finish disc/stem for minimal flow resistance
- EPDM valve seat
- Bi-directional flow
- Single piece forged & machined stem/disc
- 100% tested with full traceability of all components
- 304 stainless steel handle with trigger position control included

Applications

Sanitary butterfly valves are typically used for food, beverage, pharmaceutical, personal care, and pet care applications where sanitary construction is required, as well as for utility, process, and corrosive environment applications where quick clamp connections are beneficial. Valves can be manually operated or mounted to air or electric actuators.

Operation

Trigger hand lever provides set positions from full-open to full-closed. Valve may be operated in either direction.

Construction

Valve Body	ASTM 316L stainless steel
Disc	316L stainless steel
Disc Seat/Liner	EPDM
Stem	316L stainless steel
Fasteners	304 stainless steel
Stem Bushing	Polypropylene (PP)
Handle	304 stainless steel



Description

316L stainless steel valve body for excellent corrosion resistance. Machined and chamfered in a single set up for precise fit. Single piece 316L disc/stem with disc polished to mirror finish to minimize flow turbulence. Easy disassembly for cleaning and seal replacement. Polypropylene bushings ensure proper stem alignment and minimize wear. Sanitary tri-clamp ends for quick, sanitary connections and easy cleaning.

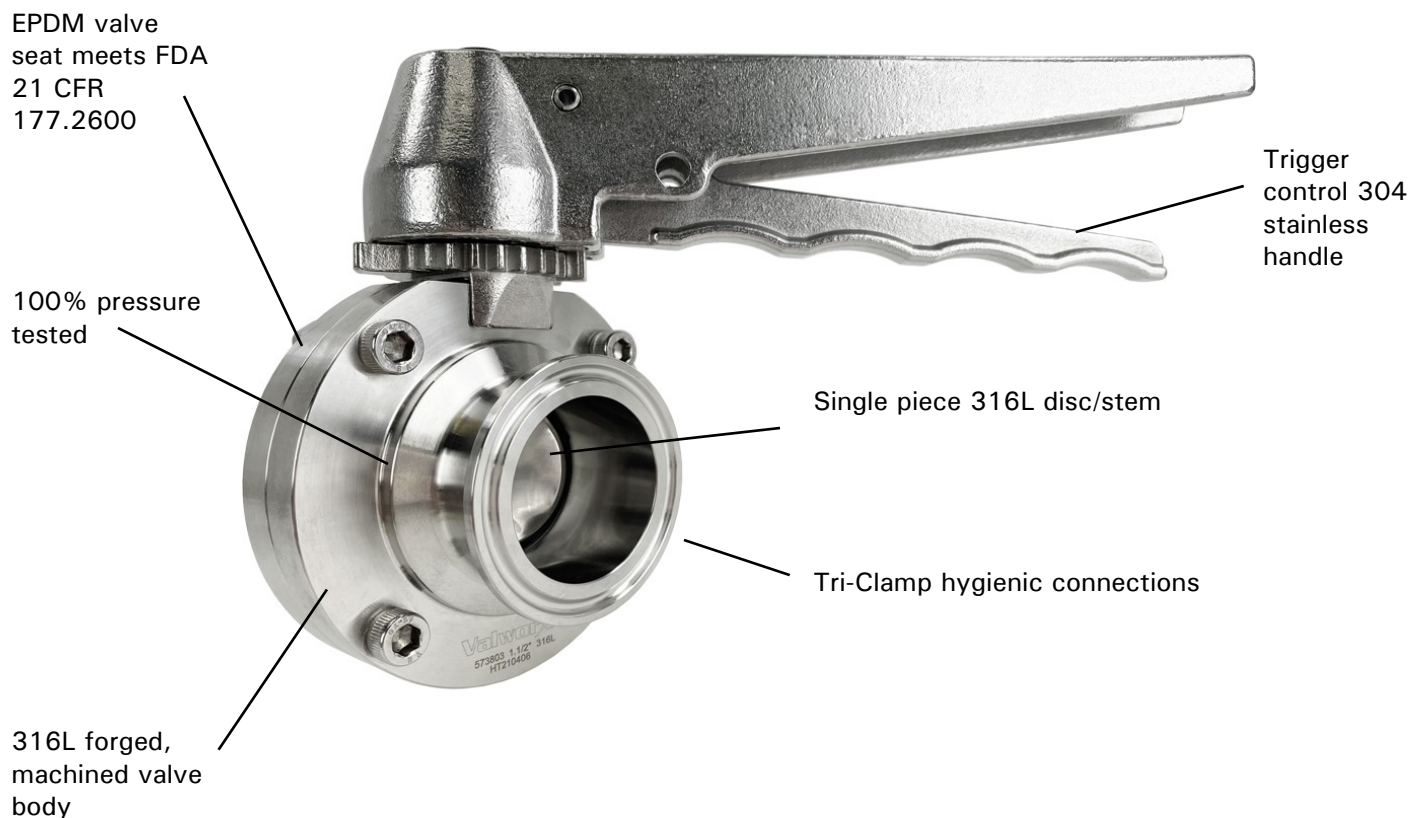
Standards

- Construction:
 - FDA 21 CFR 177.2600
- Testing
 - API598

Options

- Air Actuators
- Electric Actuators
- Canister Actuators

Construction Features



Pressure-Temperature Range

Pressure Rating*: 1-2", 160 PSI @ 68 °F, 3-4" 140 PSI @ 68 °F

Temperature Range: EPDM Seals: -68 to 302°F (-55 to 150°C)

*See P/T Chart

Specifications (English units)

Stock Number	Pipe Size (inch)	Orifice Diam. (inch)	Cv Flow Factor	Pressure* Max. (PSI)	Torque (inch lbs)	Weight (lbs)
Wafer Body EPDM Seals: BARE STEM (no handle)						
574002	1	0.9	23.0	160	75.0	2.6
574003	1-1/2	1.4	80.0	160	130.0	2.6
574004	2	1.9	230.0	160	165.0	3.5
574006	3	2.9	372.0	140	350.0	5.1
574007	4	3.8	800.0	140	540.0	7.1

* Pressure @ -67° to 302° F (reduced pressure at higher temperatures—see P/T chart)

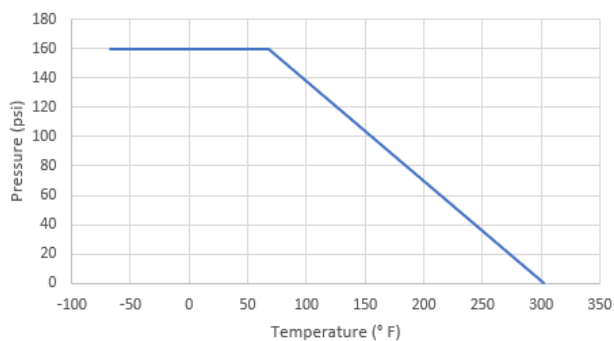
Standard Units 1-2"

Temp °F	-67	68	302
Pressure	160	160	0

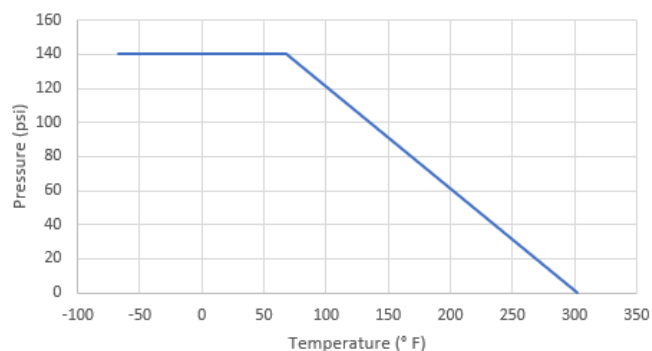
Standard Units 3-4"

Temp °F	-67	68	302
Pressure	140	140	0

Pressure vs Temperature- Standard Units



Pressure vs Temperature- Standard Units



Specifications (Metric units)

Stock Number	Pipe Size (DN)	Orifice Diam. (mm)	Kv Flow Factor	Pressure* Max. (Bar)	Torque (Nm)	Weight (kg)
Wafer Body EPDM Seals: BARE STEM (no handle)						
574002	1	22.1	19.9	11.0	8.5	1.2
574003	1-1/2	34.8	69.2	11.0	14.7	1.2
574004	2	47.5	199.0	11.0	18.6	1.6
574006	3	72.9	321.8	9.7	39.5	2.3
574007	4	97.6	692.0	9.7	61.0	3.2

* Pressure range @ -55° to 150° C (reduced pressure for higher temperatures—see P/T chart)

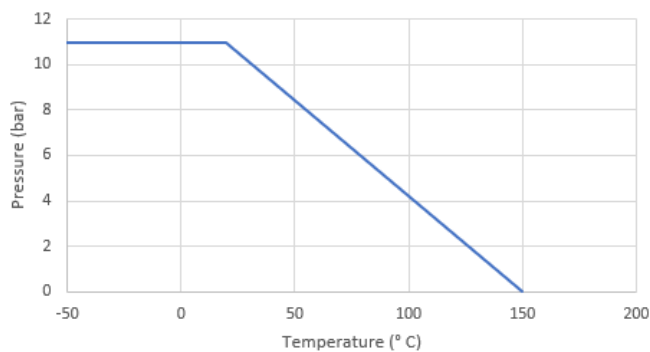
Metric Units 1-2"

Temp °C	-55	20	150
Pressure	11	11	0

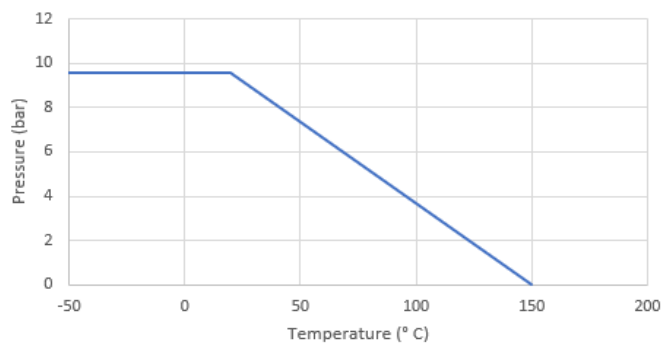
Metric Units 3-4"

Temp °C	-55	20	150
Pressure	9.6	9.6	0

Pressure vs Temperature- Metric Units

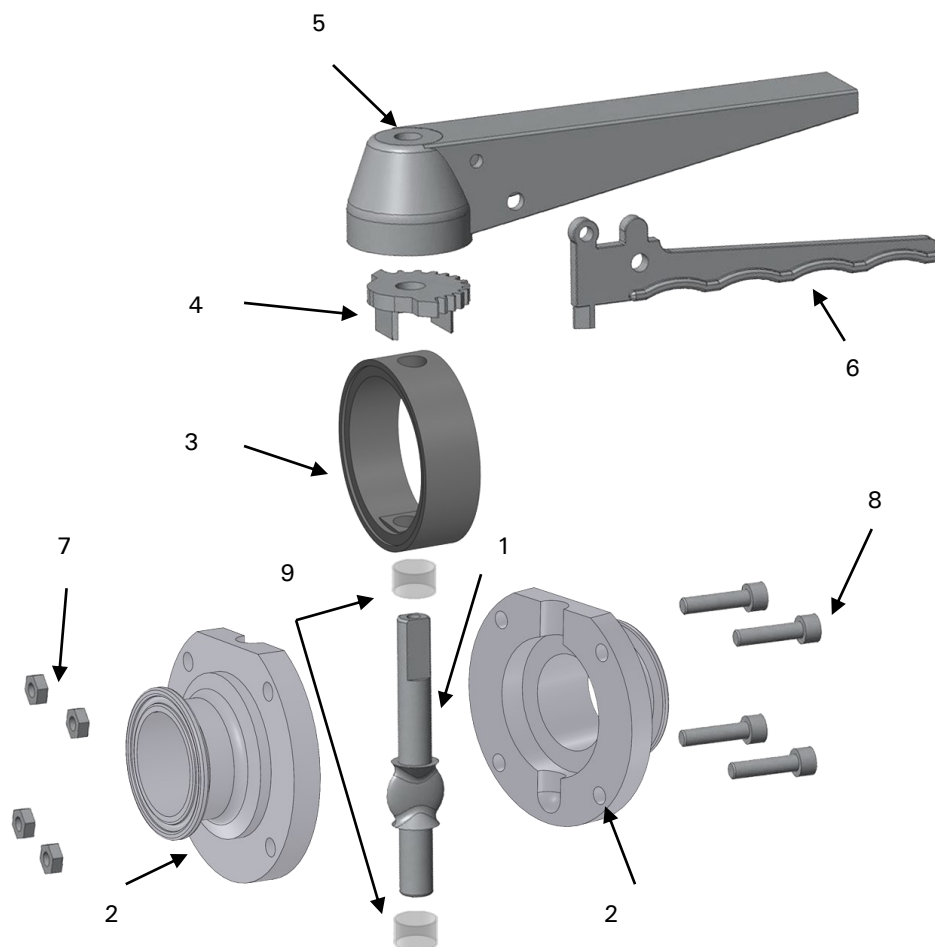


Pressure vs Temperature- Metric Units

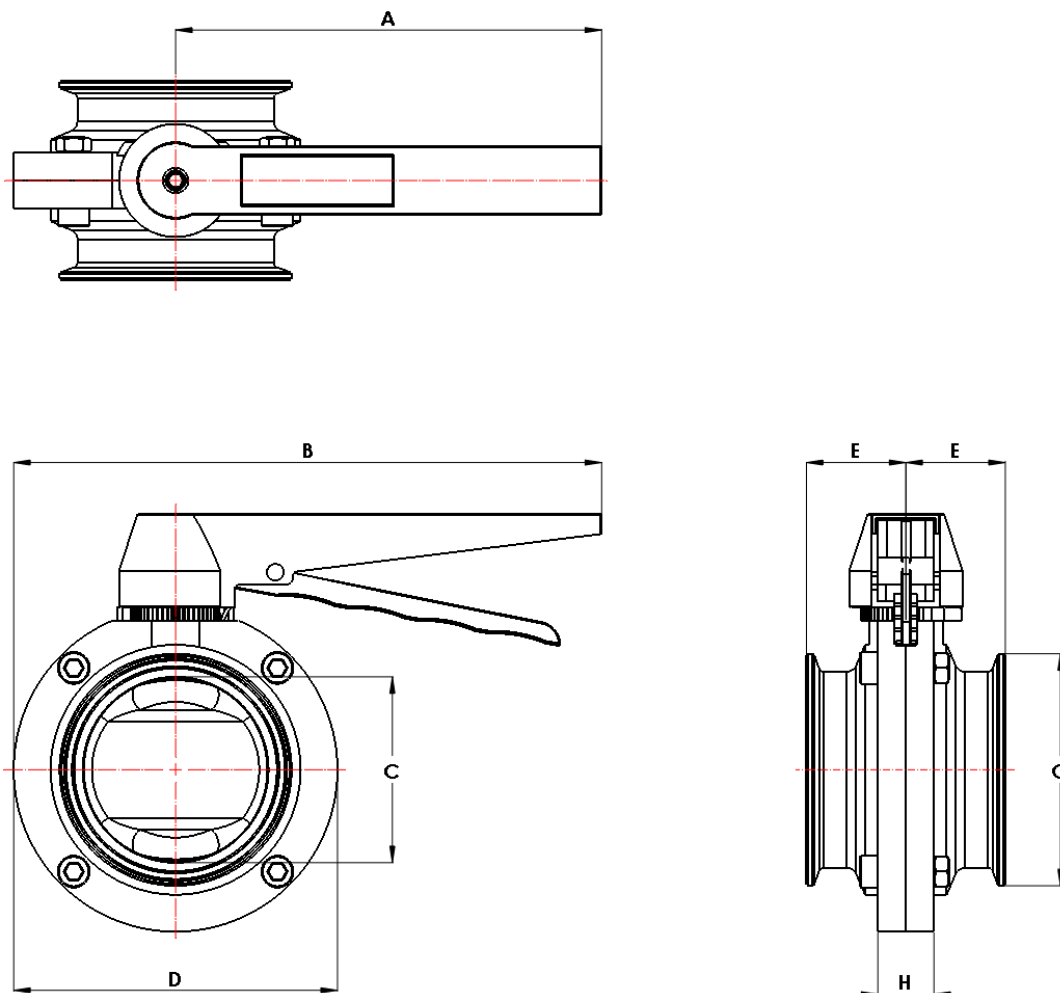


Specification (Parts Assembly - Exploded View)

Item	Part	Material	Qty
1	Stem/ Disc	SS316L	1
2	Valve Body	SS316L	2
3	Seal	EPDM	1
4	Index Plate	SS304	1
5	Handle Cover	SS304	1
6	Handle	SS304	1
7	Nut	SS304	4
8	Bolt	SS304	4
9	Bushing	Polypropylene	2



Dimensions



Pipe Size		A	B	C	D	E	G	H	Weight
1	inch	6.6	206.6	0.9	3.1	1.4	2.0	0.8	2.6 lbs
	mm	166.6	8.1	22.1	79.0	35.0	50.5	20.0	1.2 kg
1-1/2	inch	6.6	8.2	1.4	3.3	1.4	2.0	0.8	2.6 lbs
	mm	166.6	209.1	34.8	85.0	35.0	50.5	20.0	1.2 kg
2	inch	6.6	8.5	1.9	3.9	1.5	2.5	0.8	3.5 lbs
	mm	166.6	217.1	47.5	100.0	37.0	64.0	20.0	1.6 kg
3	inch	6.6	9.1	2.9	5.0	1.5	3.6	0.9	5.1 lbs
	mm	166.6	230.61	72.9	127.0	39.0	91.0	22.0	2.2 kg
4	inch	6.6	9.6	3.8	6.1	1.8	4.7	0.9	7.1 lbs
	mm	166.6	244.6	97.6	156.0	45.0	119.0	22.0	3.2 kg