ISOLATION VALVES
Butterfly Valves - SERTÃO

Single Mold Body

Hydroseal Canada's 2" through 8" all plastic SERTÃO Butterfly valves are rated at a full 200 PSI. Hydroseal Canada valves are constructed from a precise unibody mold incorporating our trademarked WTF hole patterns which are fully supported to prevent stressing of mating flanges. Our new SERTÃO model accommodates heavy industrial requirements, robust construction standards and is guaranteed to perform in the most demanding applications.

Standing On The Shoulders of Giants

An evolution from it's successful predecessor, TITAN, our newest Butterfly Valve model has the building blocks that made it one of the most respected valves in the industry: stainless steel stems, full body liners with V-notch retention. Smooth-flow discs. Along with these standard features, SERTÃO is light-weight, crafted from the latest models in industrial design and engineering. It has a 11 stop position control system and a clear-view window on its handle for easy tracking/marking in assembly processes. An unmatched pedigree built for tomorrow's challenges.

Stress Free Compatibility

The SERTÃO can easily be plugged into any existing metallic or plastic pipeline. All valve sizes, all bolt patterns and all dimensions meet industrial face-to-face standards allowing the easiest of retrofitting.

No Metal, No Corrosion

These valves represent the absolute latest in plastic engineering, minimizing harmful metal parts engaging with process media. They will not corrode, rust, or contaminate fluid flowing through them.

Features

- Rated at 200 PSI
- Easy 1/4-Turn Operation
- Stainless Steel Shaft
- Fully Supported Flange Bolt Holes
- V-Notch Liner
- Lockable Handle
- Clear-View window on Handle
- 11-Stop Position Control
- Smooth-flow Disc
- Suitable for ASTM, DIN, JIS and CNS systems
- NSF Compliant

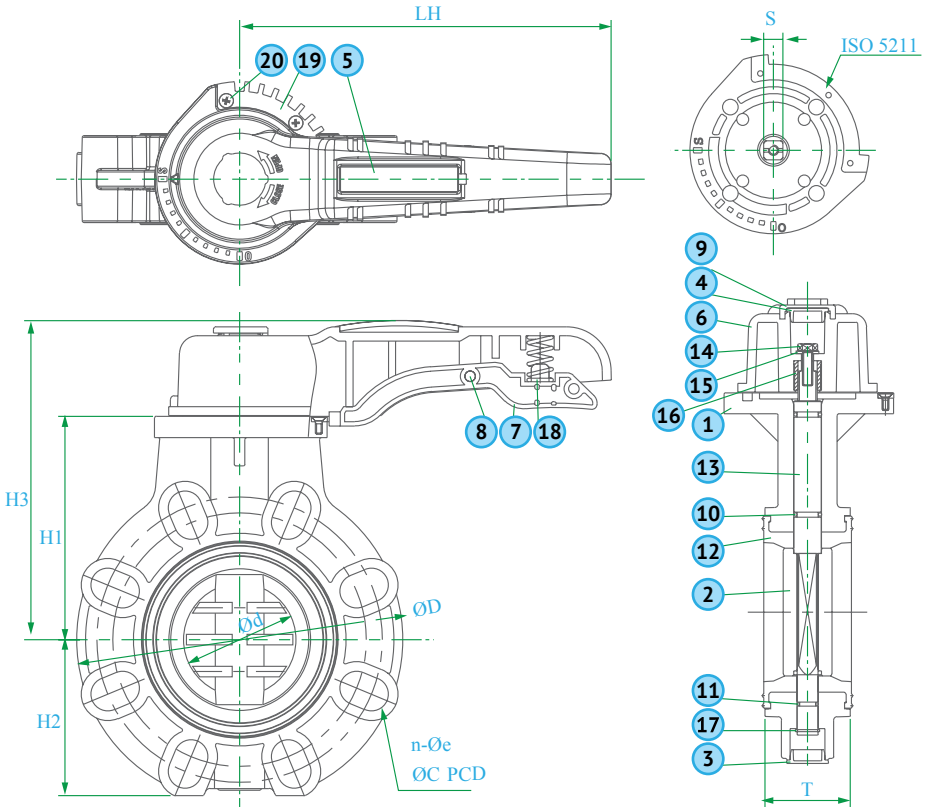
Options

- Lug Body Design
- Worm Gear Operators
- Electric Actuators
- Pneumatic Actuators
- PVC, CPVC, PP and PVDF
- EPDM, Viton or Nitrile Liners

SIZE: 2" ~ 8"

JOINT END:
FLANGE - ASTM, DIN, JIS

WORKING PRESSURE:
200 PSI



CONSTRUCTION			
NO	PARTS	PCS	MATERIALS
1	BODY	1	PVC, CPVC, PP
2	DISC	1	PVC, CPVC, PP
3	BODY CAP	1	ABS
4	HANDLE CAP	1	ABS
5	HANDLE CAP	1	ABS
6	HANDLE	1	ABS
7	SMALL HANDLE	1	NYLON
8	PIN	1	NYLON
9	CLEAR CAP	1	PC
10	STEM O-RING	2	EPDM , VITON
11	STEM O-RING	1	EPDM , VITON
12	SEAT	1	EPDM, VITON
13	STEM	1	SUS410
14	BOLT	1	SUS304
15	WASHER	1	SUS304
16	INSERT	1	SUS304
17	C-RING	1	SUS304
18	SPRING	1	SUS304
19	GEAR	1	SUS304
20	BOLT	3	SUS304

PART	NOMINAL SIZE	FLANGE TYPE	LEVER HANDLE TYPE					UNIT OF MEASURE: MM					TORQUE @ 100 PSI (KG-m)	
		DN	n	e	D	d	T	S	H2	H1	H3	LH	ISO 5211	Open	Close
STEF.0200	2"	DN 50	4	19	156	57	43	11	72	91	158	210	F 05/07	0.80	1.00
STEF.0250	2 1/2"	DN 65	4	19	177	68	46	11	80	114	168	210	F 05/07	1.90	2.00
STEF.0300	3"	DN 80	4	19	191	78	49	11	88	126	180	210	F 05/07	2.50	2.50
STEF.0400	4"	DN 100	8	19	223	98	56	14	103	143	198	210	F 07	3.00	3.00
STEF.0500	5"	DN 125	8	23	253	122	64	17	117	170	234	280	F 07/10	-	-
STEF.0600	6"	DN 150	8	23	279	145	70	17	129	181	245	280	F 07/10	7.50	8.00
STEF.0800	8"	DN 200	12	23	337	195	71	22	162	218	287	330	F 10	10.00	10.50

SELECTION CHART

SIZE	MATERIAL	CONNECTION	SEALS	PRESSURE RATING
2" ~ 8"	PVC CPVC PP	FLANGE	EPDM or VITON	200 PSI @ 73F Non-Shock

CV FACTORS

SIZE	FACTOR	SIZE	FACTOR
1 1/2"	-	5"	800
2"	110	6"	1000
2 1/2"	230	8"	2200
3"	280	10"	-
4"	440	12"	-

Pressure Loss Calculation Formula

$$\Delta P = [\frac{Q}{Cv}]^2$$

ΔP = Pressure Drop
Q = Flow in GPM
Cv = Flow Coefficient

OPERATING TEMPERATURE/PRESSURE