

ISOLATION VALVES

Butterfly Valves - **sertão**

SECTION

5



Single Mold Body

Hydroseal Canada's 2" through 6" 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 **sertao** 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 its 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/marketing 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
- Stainless Steel Shaft
- Fully Supported WTF Bolt Holes
- Light Weight
- Clear-View window on handle
- 11 Stop position control

Options

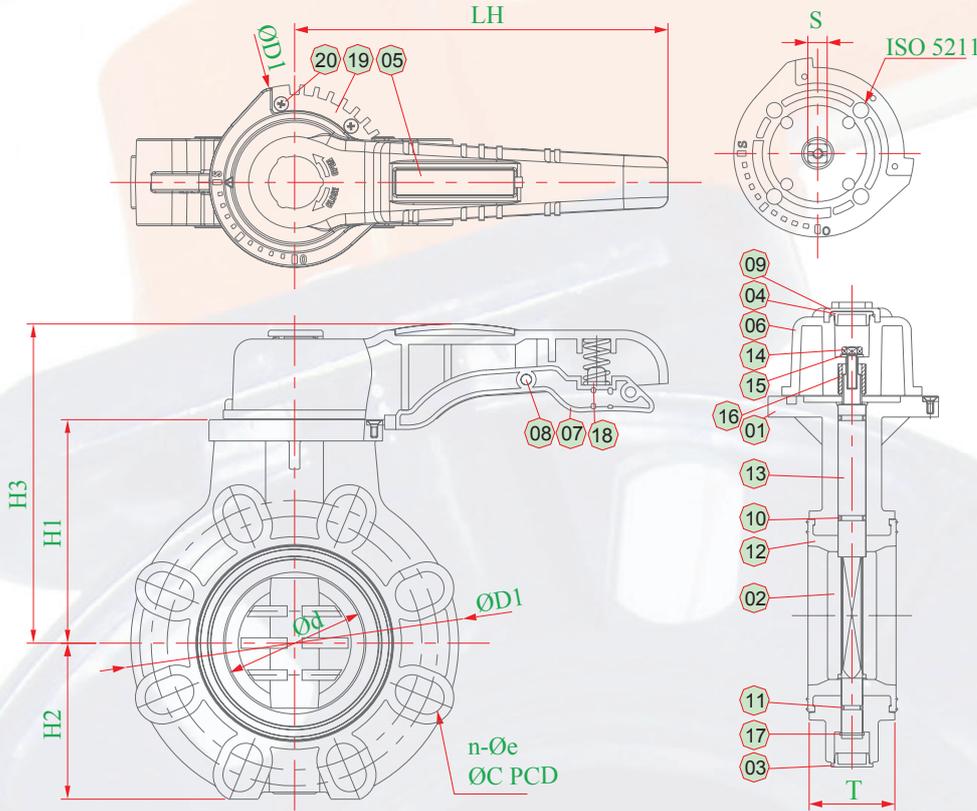
- Lug Body Efficient
- Worm Gear Operators available for larger sizes
- Electric Actuators, Pneumatic Actuators
- PVC, CPVC, PPH smooth-flow discs
- EPDM and Viton V-Notch Liners

Technical Information

SIZE: 2" ~ 8"

JOINT END: FLANGE TYPE - ANSI (150 LBS)
DIN (PN10) - JIS (10K)

WORKING PRESSURE: 200 PSI



CONSTRUCTION			
NO	PARTS	PCS	MATERIALS
1	BODY	1	PVC,CPVC,PPH
2	DISC	1	PVC,CPVC,PPH
3	CAP	1	ABS
4	COVER	1	ABS
5	HYDROSEAL IDENTIFIER	1	ABS
6	HANDLE	1	ABS
7	LEVER	1	NYLON
8	PIN	1	NYLON
9	VISI-SCREEN	1	AS
10	STEM O-RING	2	EPDM,VITON
11	STEM O-RING	1	EPDM,VITON
12	SEAT	1	EPDM,VITON
13	SHAFT	1	SUS 410
14	BOLT	1	SUS 304
15	WASHER	1	SUS 304
16	INSERT	1	SUS 304
17	C-RING	1	SUS 410
18	SPRING	1	SUS 304
19	GEAR	1	SUS 304
20	BOLT	3	SUS 304

PART	NOMINAL SIZE	FLANGE TYPE	LEVER HANDLE TYPE						UNIT OF MEASURE: MM					TORQUE @ 100 PSI	
			DN	n	e	D	d	T	S	H2	H1	H3	LH	ISO 5211	Open
STEF.0200	2"	DN 50	4	19	156	57	43	11	73	103	158	210	F 05/07	0.80	1.00
STEF.0250	2 1/2"	DN 65	4	19	177	68	46	11	81	114	169	210	F 05/07	1.90	2.00
STEF.0300	3"	DN 80	8	19	191	78	49	11	88	126	181	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	168	235	280	F 07/10	-	-
STEF.0600	6"	DN 150	8	23	279	146	70	17	129	181	248	280	F 07/10	7.50	8.00
STEF.0800	8"	DN 200	12	23	337	196	71	22	162	218	285	330	F 10	10.00	10.50

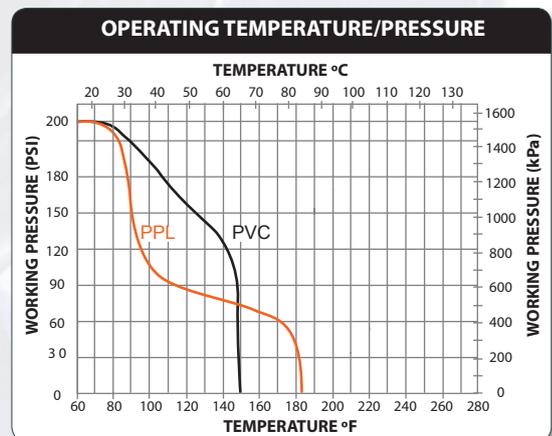
SELECTION CHART						
Lever Handle Operator and Gear Box Operator						
SIZE	BODY	DISC	SHAFT	LINER	OPERATOR	PRESSURE RATING
2" to 8"	PVC, CPVC, PPH	PVC, CPVC, PPH	SUS 410, SUS 316	EPDM, Viton	Lever, Worm	200 PSI @ 73F Non-Shock

CV FACTORS			
SIZE	FACTOR	SIZE	FACTOR
2"	125	6"	1100
3"	280	8"	2500
4"	375	-	-
5"	N/A	-	-

Pressure Loss Calculation Formula

$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

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



* PVDF not available in 2"