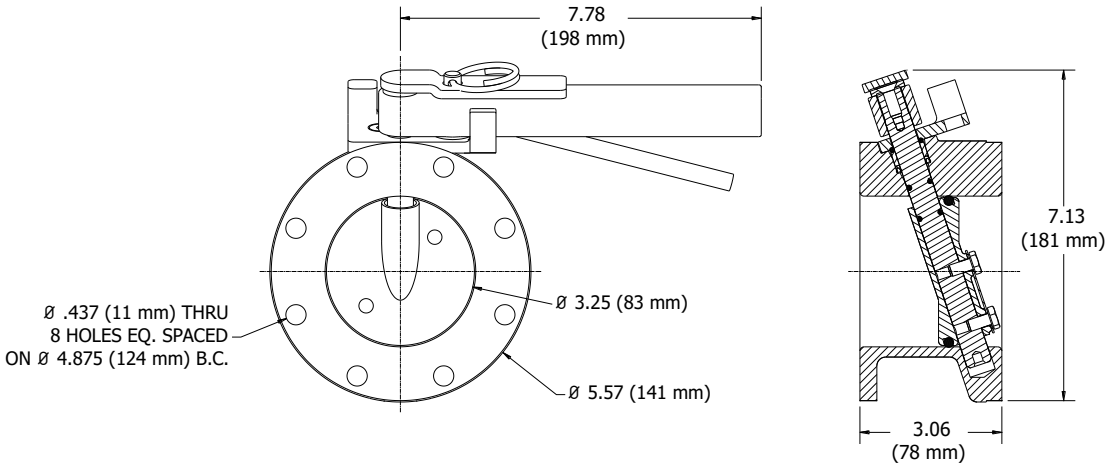
3” Ecliptic Valve

Manually Operated

The Betts Ecliptic Valve is a manual quarter turn in-line stop valve. The wetted components of the valve are constructed of 316L stainless steel and the seals are PTFE encapsulated silicone for compatibility with a wide variety of products.

The handle includes a locking lever to positively hold the valve disc in the closed or fully open position.

Bolt pattern matches TTMA piping flange dimensions.



Note: See Section 22 Page 1B for parts list.

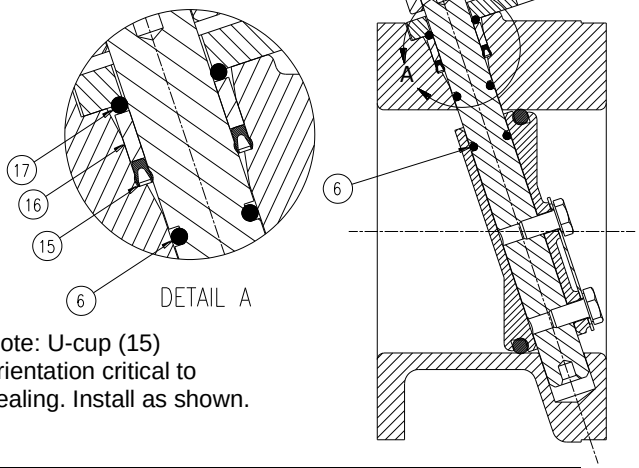
Size	Assembly #	Description	Shaft Seal	Main Disc Seal	Weight	Maximum Allowable Working Pressure (MAWP)
3”	EC46491SSTS	Manual Actuation	Tef-Sil	Tef-Sil	8.9 lbs [4.1 kg]	100 psi [6.8 bar]
	EC46491SSTSVT		FKM-A			
	EC46491SSTSKA		FFKM			

Installation: The Ecliptic Valve may be mounted in any position. It is recommended to use Betts flanges and adapters shown in Section 20, Page 5A.

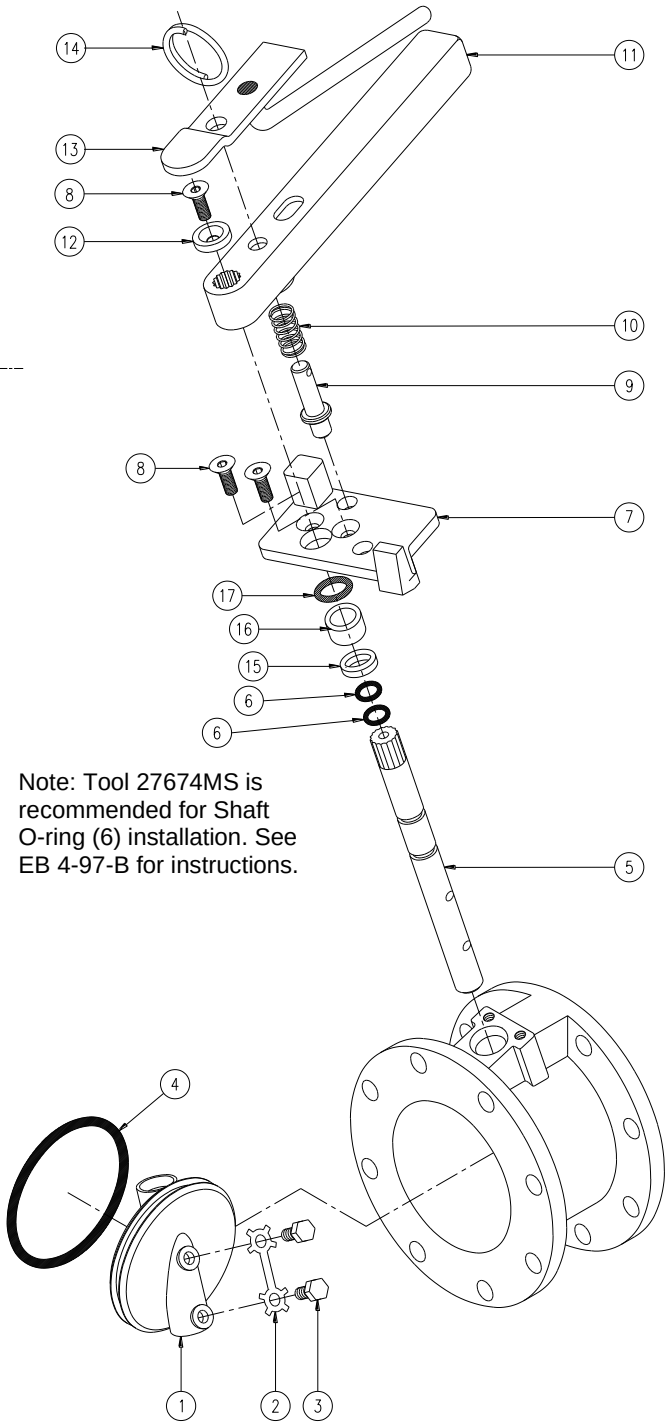
⚠ **WARNING:** This product can expose you to chemicals including Chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov

Designed, engineered and manufactured in the USA.

Parts List



Note: U-cup (15) orientation critical to sealing. Install as shown.



Note: Tool 27674MS is recommended for Shaft O-ring (6) installation. See EB 4-97-B for instructions.

No.	Req.	Description	Mat'l	Part No.
1	1	Disc	316 SS	27169SS
2	1	Locking Tab	316 SS	19256SS
3	2	Cap Screw	304 SS	9Q4174
4	1	O-Ring Main Seat	Tef-Sil	19205TS
5	1	Shaft (Manual Style)	316 SS	27151SS
6	2	Shaft O-Ring	Tef-Sil	18582TS
			FKM-A	18582VT
			FKM-B	18582VB
			FFKM	18582KA
7	1	Indexing Plate	316 SS	19204SS
8	3	Cap Screw	18-8 SS	9Q5821
9	1	Locking Pin	316 SS	19096SS
10	1	Spring	316 SS	19110SS
11	1	Handle	316 SS	27437SS
12	1	Washer	316 SS	19097SS
13	1	Release Lever	316 SS	27366SS
14	1	Spring Loop	316 SS	19101SS
15	1	U-Cup Seal	PTFE	19326TF
16	1	Bearing Ring	PTFE	75665TF
17	1	Top Plate O-Ring	FKM-A	17889VT

WARNING: Use only genuine Betts Industries replacement parts. Substitute parts can impair the proper functioning of this product and void all warranties.

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