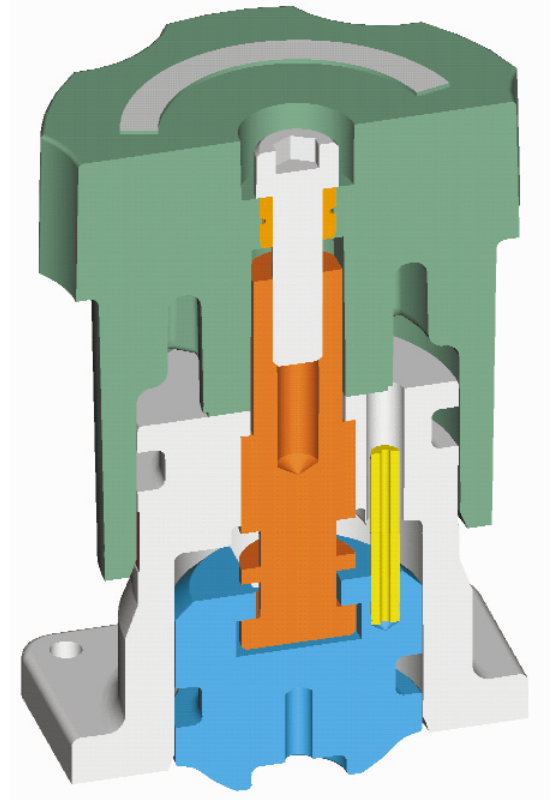


Bio-Tek® #18 Bonnet Assembly*

The process proven Bio-Tek diaphragm valve is now available with a user friendly adjustable travel stop. An adjustable travel stop is a mechanical device, which prevents an operator from physically over closing a diaphragm valve. Over closure may result in premature failure of the diaphragm. The #18 Bio-Tek bonnet assembly is a patent pending adjustable travel stop which greatly reduces the number of steps required to set the travel stop mechanism. The travel stop adjustment process has been reduced from nine (9) steps utilizing three (3) tools; to a three (3) step process utilizing one tool, greatly reducing the time required for this operation. Travel stops cannot provide their designed function unless they are set properly. The ease of setting the newly designed adjustable travel stop now assures that the travel stop is being utilized, thus extending the life of the diaphragms. The result is less frequent diaphragm change outs, extending PM programs and reducing down time. In addition, this design also incorporates a unique antirotational device preventing the compressor from rotating during diaphragm change out.



MATERIALS AND SPECIFICATIONS:

- **Size Range** – Bio-Tek (0.25", 0.38" and 0.50")
- **Bonnet Material** – Investment Cast 316 Stainless Steel, CF8M
- **Handwheel Shroud** – FDA accepted PAS (Polyarylsulphone)
- **FDA Compliant Materials** - All materials comply to 21 CFR 177
- **Temperature & Pressure Rating** – Commensurate with existing Bio-Tek product line
- **Industry Protocols** – The assembly will withstand the same sterilization, cleaning and process protocols as the existing Bio-Tek product line.
- **“O” Ring Seals**** – Viton “O” rings are supplied with the sealed bonnet, (#18S).
- **Electropolished Bonnet Assemblies** – As an option, the stainless bonnet assemblies can be provided with electropolished interiors/exteriors.
- **Interchangeability** – The #18 bonnet assembly is interchangeable with existing Bio-Tek bonnet assemblies.

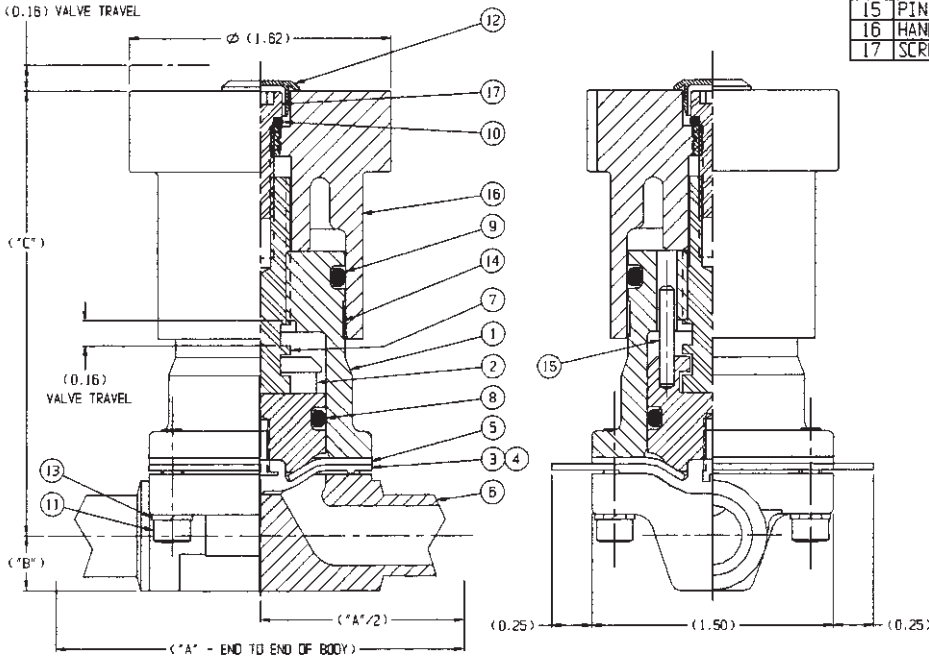
* Patent Pending Adjustable Travel Stop

** The #18 Bio-Tek bonnet assembly is available in a “O” ring sealed version (#18S) and a non-sealed version (#18).

BODY TYPE	("A")	("A"/2)	("B")	("C")
TRI-CLAMP	2.53	1.27	0.34	2.77
BUTT WELD	3.53	1.77	0.37	2.84

LIST OF PARTS			
ITEM	DESCRIPTION	MATERIAL	QTY.
1	BONNET	S. S. ASTM A 351 - CF8M	1
2	COMPRESSOR	S. S. ASTM A 276 - 316	1
3	DIAPHRAGM - PLASTIC	TPE GR. R2 OR TM	1
4	DIAPHRAGM - ELASTOMER	ELASTOMER	1
5	CUSHION - BACKING	EPDM	1
6	BODY - WEIR	S. S. ASTM A 182 - F316L	1
7	SPINDLE - ADJ. TRAVEL	S. S. ASTM A 276 - 316	1
* 8	O-RING #114	VITON	1
* 9	O-RING #118	VITON	1
* 10	O-RING #007	VITON	1
11	SCREW - SDC HD CAP	S. S. 18-8	4
12	CAP - CAPPLUG	FLEXTEMP	1
13	WASHER - SPRING LOCK	S. S. 18-8	4
14	INDICATOR - DECAL	MYLAR	1
15	PIN - SPRING	S. S. 18-8	1
16	HANDWHEEL - SHROUD	PAS	1
17	SCREW - SDC HD CAP	S. S. 18-8	1

- * 8
- * 9
- * 10



NOTE:
 * 1. RECOMMENDED SPARE PART.
 • 2. ONLY APPLICABLE TO MODEL 18S.

Pure-Flo Solutions Group

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