

Pure-Flo® Radial Seated Tank Bottom Diaphragm Valve

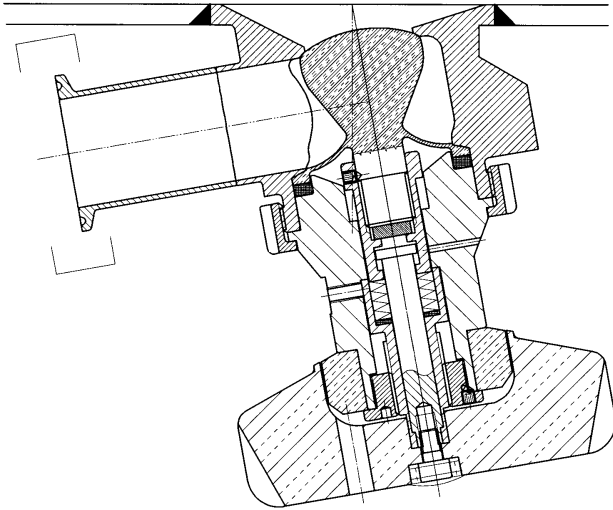
RTBV

The Pure-Flo® Radial Seated Diaphragm Valve provides a unique body design that minimizes internal vessel sump while enhancing drainability and offers a second generation *PTFE radial diaphragm* to greatly enhance performance. The RTBV is available in sizes 1/2", 1", 1 1/2", 2", and 3" and is available with manual stainless steel bonnets or stainless steel pneumatic piston actuators. Limit switches for the piston operator are available upon request. The valve is designed to be "maintenance friendly" is easily disassembled for tank installation or diaphragm change out. Other RTBV features include the interchangeability of manual and actuator assemblies, a minimal dimensional envelope, and the autoclaveability of manual and automatic assemblies.

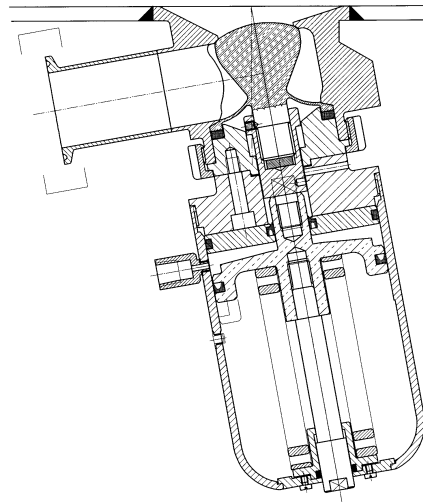


Materials and Specifications

- **Size Range** - 0.50", 1.00", 1.50", 2.00" and 3.00"
- **Pressure & Temperature Rating** – 150 psig. Temperature is commensurate with the Pure-Flo Tank Bottom Diaphragm Valve product line.
- **PTFE Radial Seated Diaphragm** – Radial diaphragm conforms to FDA 21CFR 177.1550 and USP Directive XXIV Class VI Biological Reactivity Tests Sections #87 and #88.
- **Body Material** – Wrought 316L Stainless Steel to ASME SA- 479 (UNS S311603).
- **Interior Surface Finish** - Interior surface finishes available with mechanical finishes from 11 μ in. R_a to 25 μ in. R_a . Electropolish over mechanical surfaces is also available.
- **End Connection** – Tube extension with Tri-Clamp ferrule as a standard. Butt weld end connections per request.
- **Bonnet Material** – Wrought 300L Stainless Steel.
- **Electropolished Bonnet Assemblies** - As an option, the stainless bonnet assemblies can be provided with electropolished interiors/exteriors.
- **Manual Handwheel and Position Indicator** – FDA accepted thermoplastic.
- **FDA Compliant Materials** - All product contact materials comply to 21CFR 177.
- **Pneumatic Piston Operator** – A pneumatic driven reverse acting, fail closed spring operator with a stainless steel housing is provided as a standard, 60-75 psig factory air is required for full stroke.
- **Switch Packages** – The SP 3 Pure-Flo switch package is available upon request.
- **Industry Protocols** - The assembly will withstand the same sterilization, cleaning and process protocols as the existing Pure-Flo Tank Bottom Diaphragm Valve product line.
- **Interchangeability** – Manual bonnets and pneumatic driven piston operators are interchangeable.



Manual



Automatic

Pure-Flo Solutions Group

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