



Model A106-DL Dynamic Lifter Sewage Pressure Relief Valve

Specifications:

The valve shall be a SINGER VALVE model A106 DL Sewage Pressure Relief Valve, size “_____” flanges ANSI Class 150 pressure rating, smooth radius angle style with spring ranges (see table above) factory set at _____”.

- Construction shall be of ductile iron with 12 mils of heat fused epoxy. The 316 Stainless Steel Stem shall be applied with Oxy-Nitride to reduce solids adhesion. The replaceable seat ring shall be of 316 Stainless Steel to reduce corrosion.
- The opening force on the inner valve from system pressure shall be supplemented by a booster piston using a clean actuating fluid which provides extra opening force at full system pressure throughout the stroke.
- A flexible diaphragm in a separation chamber shall continuously transfer the system pressure to the actuating fluid without contamination.
- Using a test connection and without tools it shall be possible to apply external pressure at the separation chamber and cycle the inner valve assembly open to ensure that it is always operational when required.
- Closing speed shall be adjustable using a flow control in the clean liquid to prevent valve closing surges.
- Prior to shipping the standard factory tests shall include cycling full stroke at the relief setting, drip tight leakage test, in addition to the normal over pressure shell test.

Consult Factory for specifications for Air Actuated Dynamic Lifter (Model 106-DL-A). See Catalog Technical & Sizing Section for sizing graph

Singer Valve Inc.

12850 - 87th Avenue • Surrey, British Columbia, Canada V3W 3H9

Tel: 604 594 5404 • Fax: 604 594 8845 • Toll-Free Fax (US & Canada): 1 800 663 7266

E-Mail: singer@singervalve.com • singervalve.com

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