



Lo-to-Flo

Safety Head

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The BS&B Lo-to-Flo™ safety head protects systems that use high viscosity liquids. Its unique design allows liquid to flow past the surface of the disk, reducing the likelihood of excessive product buildup, which could result in activation of the rupture disk above the desired burst pressure.

Features

- The Lo-to-Flo assembly consists of a body, base, hold down and rupture disk
- Standard ANSI or other international piping connections can be threaded, flanged or weld neck
- Wide variety of materials available
- Available in 1/2 to 6 inch sizes (12.7 - 152.4mm)
- 150 ANSI is the standard flange rating; higher ratings are available upon request
- Lo-to-Flo safety head assembly may use a BS&B type B™ series, D™ series, XT™, XN™, Scored B™ or XN-85™ rupture disk

How to Specify

- Specify body end connections and material
- Specify hold down end connection, flat, threaded or weld neck
- The hold down flange will be exposed to the process media only after the disk ruptures; Therefore, standard materials are normally used (carbon steel, 316ss) although special materials are available upon request
- Indicate if a lining is required

Material Availability	
Standard body material*	Standard lining material*
Cast iron (not available as weldneck)	Glass (not available to line all body types)
Stainless steel	Rubber
Cast steel	Kynar® (not available to line all body types)

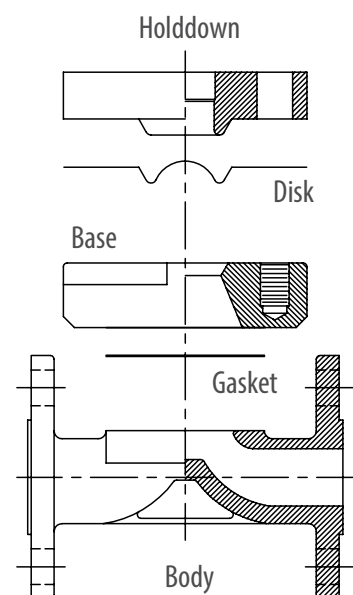
*Other materials available upon request

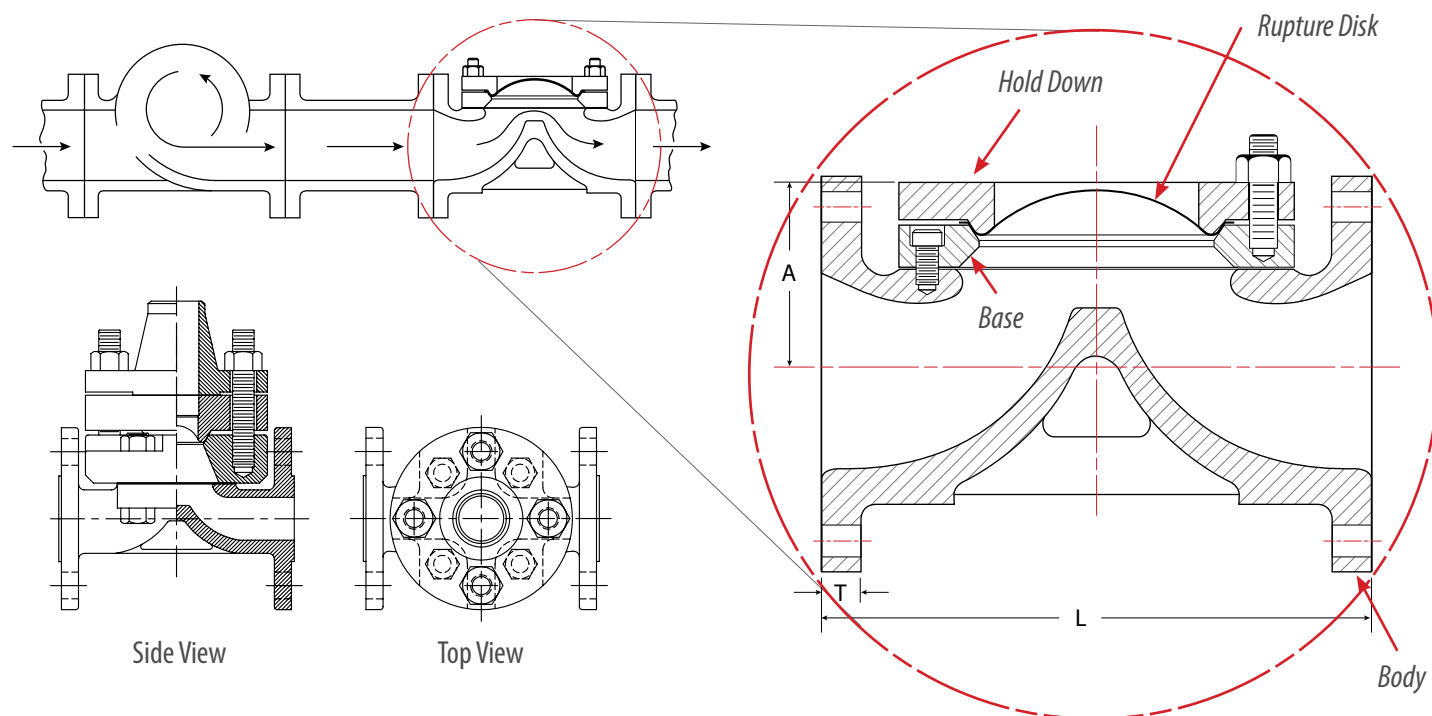
Kynar® is the registered trademark of Arkema polyvinylidene fluoride (PVDF) resin.



Industry Applications

- Oil refining
- Chemicals and petrochemicals
- Food processing
- Liquid plastics handling
- Paint manufacturing
- Plastic manufacturing
- Pulp and paper
- Air flow systems handling slurries
- Sludge pumps
- Acid reclamation or manufacturing
- Pump protection on viscous fluids





Specifications for Lo-to-Flo Safety Head

Dimensions* (with unlined flanged body)								
Nominal size		ANSI rating	L		T		A	
in	mm		in	mm	in	mm	in	mm
0.5	13	150	4	100	0.38	9.5	1.75	44
1	25	150	5.5	140	0.44	11	2.25	57
1.5	40	150	6.5	165	0.56	14	2.63	67
2	50	150	7.5	190	0.63	16	3.31	84
3	80	150	10	254	0.75	19	4.37	111
4	100	150	12.5	320	0.94	24	4.34	110
6	150	150	16	406	1	25	6.25	159

*Dimensions are approximate. The Dimensions shown are for an ANSI 150 flange with unlined safety head, a 30 degree seat and flat hold down. For other configurations, contact BS&B for dimensions. Always request approval and certified drawings.

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