Model 720 PAF 406-98, 20" Manhole, DOT 406 Pressure Relief Device

Betts PAF manhole with integral 406-98 Surge Suppression Pressure Relief Valve is the proven leader for cargo tank longevity, protection and safety.

The 406-98 incorporates a 10" (254mm) reclosing pressure relief valve (PRV) that satisfies primary pressure relief for specification US DOT406 and TC406 cargo tanks. The PRV meets the dynamic pressure surge requirements of 49CFR§178.345-10(b)(3)(ii) with less than one-liter leakage as tested per TTMA RP No. 81. The PRV cover also serves as a quick-open inspection hatch that incorporates a secondary safety catch. PPVL models include a 6496 P/V normal vent.

The 20" (508 mm) clamp ring style manhole is certified and marked in accordance with 49CFR178.345-5 with a test pressure of 36 psig.

PAF 406-98 is also available in a self-latch model by designating part number L763 in place of L720. On self-latch models, a stop bracket holds the PRV at a 91° position; if the cover is inadvertently left open, movement of the tank will cause PRV cover to drop and catch to a semi-closed position.

PAF 406-98 PRV must not exceed a maximum temperature of 212°F (100°C). Stainless versions of the PRV are available using prefix "PPSS". For replacement on MC306 cargo tanks, see Betts' line of PAF306 surge manholes.

Part #	Manhole Cover	Strongback and Latch	PRV Cover	Normal Vent	Weight

Part #	Manhole Cover	Strongback and Latch	PRV Cover	Normal Vent	Weight
PPVL720AX*	Aluminum	Steel Zinc-plated	E-Coated Aluminum	6496AL Aluminum	23.0 lbs [10.4 kg]
PPVL720BX*	Steel Zinc-plated	Steel Zinc-plated	E-Coated Aluminum	6496AL Aluminum	31.1 lbs [14.1 kg]
PPVL720CX*	304 Stainless	304 Stainless	E-Coated Aluminum	6496AL Aluminum	31.1 lbs [14.1 kg]
PPVL720DX*	316 Stainless	304 Stainless	E-Coated Aluminum	6496AL Aluminum	31.1 lbs [14.1 kg]

* **Last letter of part number designates seal material. See gasket material table.**

- Use part number PPVL763 for self-latch unit.
- Suffix "059" option for padlock loop installed in strongback.
- Prefix "PSA" for both 6496 normal vent & 6234AL inbreathing vent included.
- Suffix "092" option with stainless hardware (strongback and latch).
- Weld Collar **NOT** included with assembly. Collar material should correspond with tank shell material. When welding collars to tank, care should be taken to insure collar remains flat and round with use of a welding fixture if necessary.

Letter	Gasket Material
B	Nitrile (Buna-N)
V	FKM Type A (Viton™ A)
P	EPDM
T	PTFE (w/ Nitrile or Silicone Core)
W	White Hypalon

See catalog page S80P0A for full list.

Technical Specifications		
PAF 406-98 Pressure Relief Valve (Primary Pressure Relief)		
Set Pressure (PRV Designed for 3.3 psig MAWP tank)	**Min.** 3.63 psig [25.0 kPa]	**Max.** 4.55 psig [31.4 kPa]
Rated Air Flow Capacity	494,084 SCFH @ 6.25 psig [13,992 SCMH @ 43.1 kPa] 294,985 SCFH @ 5psig [8,353 SCMH @ 34.5 kPa]	
Liquid Flow Capacity	1,335 gpm @ 5.0 psig [5,053 lpm @ 34.5 kPa]	
6496AL Normal Vent (P/V Vent)		
Pressure	**Set** 1.0 psig [6.9 kPa]	**Flow Capacity** 1,200 SCFH @ 3 psig [34 SCMH @ 20.7 kPa]
Vacuum	**Set** Max .375 psig [Max 2.6 kPa]	**Flow Capacity**v 3,350 SCFH @ 1 psig [95 SCMH @ 6.9 kPa]

Weld Collar and Gasket options

PAF 406-98 Maintenance Manual

EB-01-08: **Installation of Tiona Betts Clamp Ring Style Manhole Assemblies.**
EB-01-18: **Regulatory Instructions: Replacement of Pressure Relief Valves on MC306 Tanks.**
EB-08-25: **How to Verify Integrity of Welded Clips on Betts Clamp Ring Style Manholes**

Clamp-ring Style Manhole Installation Video #MV-PRV001

⚠ **WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov. For additional information on Betts products and Proposition 65 list please see: http://www.bettsind.com/prop-65/**