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## Model PAF 412-5.0, 20" Offset Manhole. DOT 412 Pressure Relief Device



Model PAF 412-5.0 is a 10" aluminum surge suppression spring loaded re-closing pressure relief device for use as a cargo tank's primary pressure relief system. The PAF is mounted to a clamp-ring style manhole. Designed to be used on DOT412 cargo tanks with a MAWP of 5.0 psig, the PAF 412-5.0 meets the requirements of 49CFR §178.345-10 and §178.348-4. Relief vent meets less-than-a-liter surge requirements per §178.345-10(b)(3) and manhole and clamp-ring meet requirements of §178.345-5 with a 36 psig test pressure. The IVAQ version with a 6234 in-breathing vent installed meets the requirements of CSA B620-09 clause 5.6.11 and clause 5.10.5 for use with TC412 and TC423 applications.

The manhole's overall height is 3.56" from the top surface of the manhole collar.

**Set Pressure:** 6.0 to 6.6 psig  
(41.4 to 45.5 kPa)

**Rated Air Flow:** 263,124 SCFH at 7.5 psig  
(7,450 SCMh at 52 kPa)

**Liquid Flow Capacity:** 1,426 gpm at 7.5 psig  
(5,398 lpm at 52 kPa)

**Part Numbers:**

LPVQ820CXB – 412-5.0 PRV with 6705ALB normal vent. (304 SS cover with nitrile seals)

LPVQ820CXB442 – Adds padlock tabs and welded pins for security.

LPVQ863CXB – Self Latch Model

IVAQ820CXB442 – 412-5.0 PRV with 6234AL in-breathing vent and padlock tab and welded pins for security. (304 SS cover with nitrile seals)

7535ALBN – Relief Vent Assembly PAF 412-5.0

Alternate seals are available as-well-as a steel zinc manhole option.