

Thermal-Pressure-Relief-Device

Rotatable



Technical features:

- ▶ **Working Pressure** PN 700 (Pproof 1000 bar)
- ▶ **Material** 316 L
- ▶ **Process connection** 1 1/2"-20 UNF
- ▶ **Connections** M25 x 2 or 1 1/8"-12 UNF
- ▶ **Weight** 920 g
- ▶ **Reaction temperature** 110 °C, 68 °C
- ▶ **Vent Port Connection** 9/16" SAE-18UNF-2B, SAE size 6
- ▶ **Flow Passage** d = 2.5 mm

This thermal pressure relief device (called TPRD) is designed to clean up tanks and vessels from overheating. A glass ampoule is destroyed when the reaction temperature (typically 110° C) is reached, thus releasing the hydrogen from the tank out through a safety vent in a very short time.

Special feature of this TPRD, which is mounted at the end of the tank, is its rotatable installation possibility.

Really useful during assembly, especially due to the weight of the tank and the position of the main valve, TPRD can be aligned exactly according to the designed piping.

Typically used on a system with many tanks in parallel.