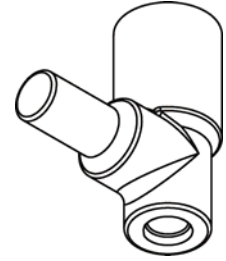


Part Number: 114405
Part Description: Pressure Relief Device (PRD)



Product Technical Specifications

General Specifications

Manufacturer Information	VTI 90520.1.0-S1
Activation Temperature	230°F ±7°F (110°C ±4°C)
Flow Orifice	0.254" (6.45mm)
Nominal Working Pressure	3,626 psi (25 MPa)
Maximum Working Pressure	4,496 psi @ 180°F (31 MPa @ 82°C)
Burst Disc Rating	N/A
Approved Service Gas	CNG
Operating Temperature	-40°F – 185°F (-40°C – 85°C)
Certification	ANSI/IAS PRD 1-1998, PRD 1a-1999

Mechanical Interface

Discharge Port Thread	1/2-20 SAE Female
Inlet Port Thread	9/16-18 SAE Female
Build Material	Brass

Torque Specifications

Discharge Port (1/2-20 SAE)	19 lb-ft. (26 N.m)
Inlet Port (9/16-18 SAE)	22 lb-ft. (30 N.m)

Approved Pressure Relief Device (PRD)

The specifications shown in this document outline the requirements of the PRD that has been tested and approved for use with your Quantum Type IV cylinder, valve, and PRD assembly.



Only approved PRD's are to be installed in your Quantum cylinder. Installation of a PRD not approved for your cylinder will result in death or serious injury.

Installation

This PRD must be installed on the cylinder before the cylinder is filled with fuel. Alteration or modification of a PRD is strictly prohibited.



This PRD is connected to a "live" port on the cylinder valve; this PRD will always be exposed to tank pressure even if the cylinder valve is in the closed position. Never disassemble or disconnect the PRD from the cylinder while the cylinder is pressurized. Failure to follow this instruction may result in death or serious injury.

