

HPRV Proportional Relief Valve

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

Together, we are Innovators

An innovative PED-certified pressure relief valve: one valve providing a universal solution for all common instrumentation applications.

HPRV is a versatile relief valve delivering accurate and consistent cracking and resealing performance, and suitable for all pressures between 150-6000 psi (10.3-414 bar). For PED applications, valves are supplied pre-set and laser marked for specific operating pressures.

The Smarter solution

One valve:

The valve has been designed with a single seat size that works for all common instrumentation system pressures, meaning you only need to order one part number.

Versatility:

For PED applications, valves are supplied pre-set to the required cracking pressure (locked into position and protected with a tamper proof seal). However, field adjustment is very simple, and may be performed by PED approved personnel, or by any user in a non-PED application.

The valve will handle up to 8000 psi/552 bar pressures during relief. Cracking pressure accuracy is maintained to within 3% of setting.

O-ring seals adapt the valve for use with different types of media over temperatures from -57 to 204 degrees C (-70 to +400 degrees F).

Five choices are available: fluorocarbon rubber, nitrile rubber, ethylene propylene, neoprene rubber or highly fluorinated fluorocarbon rubber.

Increased accuracy:

A low friction stem seal design facilitates smooth operation, optimising the precision of cracking and resealing.

Universal capability:

The HPRV valve is available with 0.142 inch/3.6 mm flow ports. Colour-coded springs configure the valve for eight cracking pressure ranges of 150-375, 325-775, 725-1525, 1475-2275, 2225-3025, 2975-4025, 3975-5025 and 4975-6000 psi (10.3-25.9 to 343-414 bar).

Fine adjustment is achieved by means of an external nut, which is secured in position by Parker's unique Tru-Loc mechanism and a lock wire to eliminate accidental movement and guard against tampering.

Ideal for many packages including well head control panels.



Helping you to work Faster

Fit and forget:

For PED applications, HPRV relief valves are supplied pre-set to the required cracking pressure, which is clearly marked on the body.

This provides a simple 'fit and forget' solution for adding reliable safety, environmental and/or equipment protection to a wide variety of process and laboratory instrumentation applications, that needs no testing or calibration.

Quick delivery:

Parker can offer very fast (5 working day) delivery on the valve throughout Europe. This short lead time will help you to effectively plan your installation.



A Safer solution

Safer design:

The seat has been designed to be blow out and chip resistant.

The unique Tru-Loc locking system prevents accidental adjustment.

The balanced chamber design eliminates problems caused by varying back pressures, and the low friction design assures smooth 'snag free' operation.

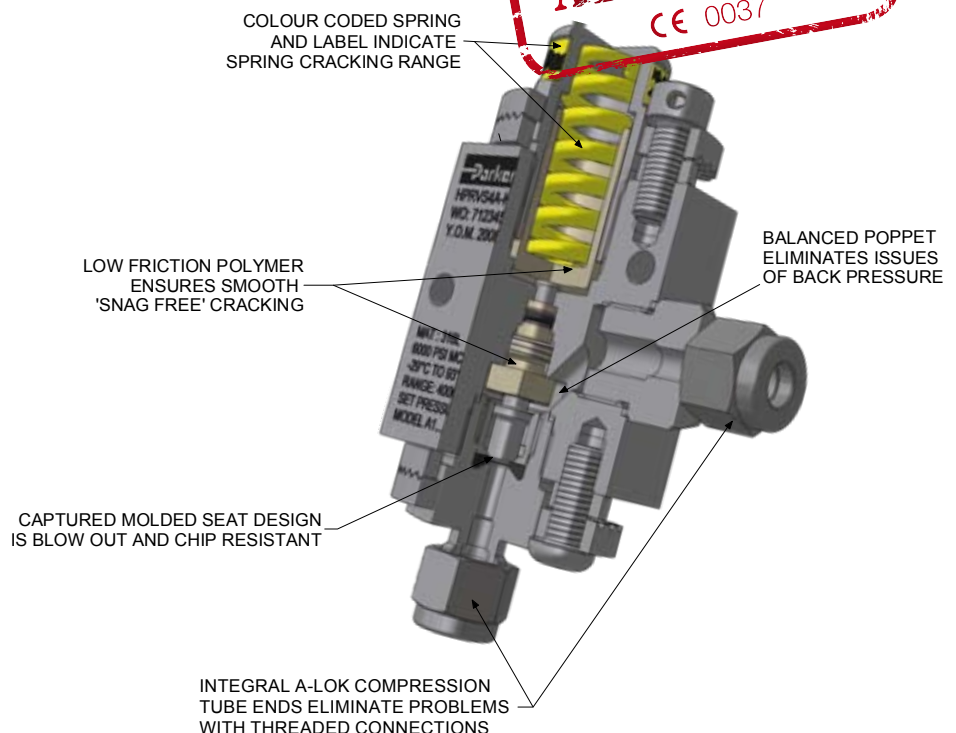
As standard, the valve is provided with integral A-Lok compression tube ends, eliminating threaded connections and the potential problems associated with thread sealants such as PTFE tape.

Other end styles can also be specified to suit the installation, and include single-ferrule CPI end connectors for imperial and metric tube sizes, and male or female NPT threaded inlet outlet ports.

The valve's outlet port can be configured to duct media to a safe place, or release overpressures to atmosphere.

PED certified:

Parker's HPRV relief valve is Pressure Equipment Directive (PED) certified and CE marked as standard. Achieving the highest category IV PED rating, no further paperwork or approvals are required.



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