

Parker Product Datasheet



Parker pilot operated pressure relief valves for in-line mounting series R4V provide an outstanding constant pressure behaviour. Series R4V*P2 enables a continuous pressure adjustment by the additional proportional unit.

PART NUMBER: 016-81053-0
SEAL MATERIAL: NBR
ACTUATION TYPE: Manually
INPUT VOLTAGE: Omit
PORT CONNECTION: NG32 / G1 1/4'
PRESSURE CONTROL RANGE: 350 bar
PRESSURE ADJUSTMENT CONTROL TYPE: Hand knob
DRAIN OPTION: Drain line internal
BODY TYPE: Threaded L-body
SWITCHING OPTION: Omit

PRODUCT OVERVIEW

Well known as excellent pressure relief valves, Parker's series R4V and R4V*P2 for in-line mounting work stable across the whole pressure range and thus contribute to a smooth-running operation. Additionally they provide a wide range of options and connections for a versatile use in various applications.

Their design is similar to the subplate mounted R4V series. For single functions – where no manifold blocks are used – the valves can be directly placed in the pipework. R4V and R4V*P2 are available with 2 ports (L-body) or with 3 ports (T-body).

Series R4V*P2 has additionally a proportional unit between the mechanical pilot valve and the main stage. The optimum performance can be achieved in combination with the digital amplifier module PCD00A-400.

Market:

- Industrial

Features/Benefits:

- Wide range of options – suitable for almost every application
- Outstanding constant pressure behavior – supports reliable operation
- Very good pressure/flow behavior – contributes to a high energy efficiency of the system
- Short delivery time – no warehousing necessary
- Pilot operated with manual adjustment
- 2 interfaces
 - L-body (R4R06-G³/₄', R4R10-G1¹/₄')
 - T-body (R4R03-G¹/₂', R4R06-G1')
- 3 pressure stages: 105, 210, 350 bar
- 3 adjustment modes:
 - hand knob
 - acorn nut with lead seal
 - cylinder lock
- With optional vent function

Deviating Features/Benefits Series R4V*P2:

- Continuous adjustment by proportional solenoid
- With mechanical maximum pressure adjustment
- R4V*P2: optimally suited to the digital amplifier module PCD00A-400

Applications:

- Suitable for general hydraulic applications

TECH SPECIFICATIONS

**MAXIMUM OPERATING
TEMPERATURE**

60 °C

DIVISION

Hydraulic Valve Systems Division Europe

MAXIMUM OPERATING PRESSURE 350 bar Port A, X

MAXIMUM OPERATING PRESSURE	30 bar Port B, Y
FLOW RATE	450 L/min
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
BODY MATERIAL	Cast Iron
PRODUCT SERIES	Pressure Valve
SEAL MATERIAL	NBR
WEIGHT	8.4 kg
MAXIMUM FLOW RATE	n/a
MOUNTING TYPE	Pipe Mounting
ACTUATION TYPE	Manual
OPERATION TYPE	Pilot
PRESSURE CONTROL RANGE	350 bar