

Parker Product Datasheet



Parker subplate mounted pilot operated pressure reducing valves series R4R ensure a constant pressure in the secondary part of the hydraulic system. Series R4R*P2 enables a continuous adjustment by the proportional solenoid operated pilot stage.

PART NUMBER: 016-95331-0
MAXIMUM OPERATING PRESSURE: Port A, B, X 350 bar; port Y depressurized
SEAL MATERIAL: NBR
INPUT VOLTAGE: N/A
PORT CONNECTION: NG25 / CETOP 08
PRESSURE CONTROL RANGE: 210 bar
PRESSURE ADJUSTMENT CONTROL TYPE: Hand knob
PILOT INLET / DRAIN LOCATIONS: Internal, drain external from Y

PRODUCT OVERVIEW

As versatile pilot operated pressure reducing valves for subplate mounting, Parker's series R4R with manual adjustment and series R4R*P2 with proportional solenoid adjustment provide high flow and ensure a constant pressure in the secondary part of the hydraulic system. Independent of the primary pressure, the secondary pressure is reduced to the pressure setting. In order to avoid unintended motion of the actuator, the valves are normally closed.

Series R4R*P2 has additionally a proportional solenoid operated pilot stage and a cartridge main stage. The optimum performance can be achieved in combination with the digital amplifier module PCD00A-400.

Markets:

- Industrial

Features /Benefits:

- Wide range of options - suitable for almost every application
- Flexible, versatile mounting in any orientation - makes integration easy
- Normally closed position - avoids unintended actuator motion
- High flow up to 500 l/min in NG32 - optimum efficiency in relation to valve size
- Short delivery time - no warehousing necessary
- Subplate mounting according to ISO 5781
- 3 pressure stages: 105, 210, 350 bar
- R4R*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 Ports A, B, X
MAXIMUM OPERATING PRESSURE	0 bar Port Y depressurized
FLOW RATE	350 L/min
MINIMUM OPERATING TEMPERATURE	-20 °C
BODY MATERIAL	Cast Iron
PRODUCT SERIES	Pressure Valve
SEAL MATERIAL	NBR
WEIGHT	4.5 kg
MAXIMUM FLOW RATE	n/a
MOUNTING TYPE	Subplate
ACTUATION TYPE	Manual

OPERATION TYPE

Pilot

MAXIMUM PRESSURE SETTING

210 bar