

Parker Product Datasheet



Pressure relief valves series RDM are direct operated piston type valves with low hysteresis. They can be used as P-T relief or as T-T controlled counter balance valve.

PART NUMBER: RDM3PT15SVG
ADJUSTMENT MECHANISM: Hexagon socket
NOMINAL SIZE: NG10 / CETOP 05
PRESSURE RANGE (BAR): 3-150
GAUGE PORT: G1/4
PRESSURE RELIEF VALVE: P to T

PRODUCT OVERVIEW

Parker's pressure relief valves series RDM in sandwich design enable an easy configuration of stack systems. The direct operated piston type valves provide low hysteresis and thus a precise pressure control. Series RDM can be used as P-T relief or as T-T controlled counter balance valve. The valve body is equipped with a pressure gauge port.

Markets:

- Industrial

Features/Benefits:

- Proven direct operated, cushioned piston design - represents our long-term experience in hydraulics
- Fast response, low leakage and minimal hysteresis - for improved process and product accuracy
- 5 pressure adjustment stages - permits an accurate adaption to the application

- Short delivery time for most variations - no warehousing necessary
- Max. pressure settings of:
 - 25, 64, 160, 210, 350 bar for RDM2,
 - 19, 50, 100, 150, 210 bar for RDM3.
- Adjustment modes:
 - Slotted head with lock nut
 - Cylinder lock
 - Turning knob
- Gauge port
- RDM2 - NG06 (CETOP 03), RDM3 - NG10 (CETOP 05)

Applications:

- Suitable for general hydraulic applications

Function:

Code PT: pressure is relieved from P to T at the adjusted value

Code TT: pressure pre-loading in T

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	315/10 bar
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic oil
BODY MATERIAL	Steel
PRODUCT SERIES	Pressure valve
SEAL MATERIAL	FPM
WEIGHT	2.6 kg
MAXIMUM FLOW RATE	80 L/min
MOUNTING TYPE	Sandwich plate

FUNCTION	Pressure relieved from P to T
ACTUATION TYPE	Manually
OPERATION TYPE	Direct
PORT CONNECTION	NG10
PRESSURE CONTROL RANGE	3 to 150 bar
GAUGE PORT SIZE	G 1/4
ADJUSTMENT MECHANISM	Hexagon socket
PRESSURE RELIEF VALVE TYPE	Direct operated