

Parker Product Datasheet



Parker pilot operated pressure unloading valves series R5U are particularly suitable for unloading a circuit at low pressure. The SAE flanges allow to mount the valve directly on the outlet flanges of pumps to achieve a very compact design.

PART NUMBER: 026-65006-0
SEAL MATERIAL: NBR
PORT CONNECTION: SAE 1
PRESSURE CONTROL RANGE: 210 BAR
ADDITIONAL OPTIONS: na
PRESSURE ADJUSTMENT CONTROL TYPE: Acorn nut with lead seal
SIGNAL INPUT: Omit
DRAIN OPTION: Drain line external via port X1 or X2, internal
SWITCHING OPTION: Omit

PRODUCT OVERVIEW

Pilot operated pressure unloading valves series R5U are exceptional – both in function and design – even under high flow conditions. They are part of the Parker valve range with SAE flanges which is unique in its variety. Series R5U has a similar design to the subplate mounted R4U series.

R5U valves are used to unload a circuit at low pressure. The SAE flange allows to mount the valve directly on the outlet flanges of pumps. A typical application is the unloading of pumps in an accumulator circuit. The combination of an R5U, C5V and R5V on a double pump generates a high pressure/low pressure system without the need of a manifold block or piping between the valves. The R5U is optionally available with a vent function for unpressurized circulation.

Markets:

- Industrial

Features/Benefits:

- Maximum adjustable pressure of 350 bars and flow capacity ranging from 90 l/min to 600 l/min - high performance
- Sophisticated pilot stage design - reduces pressure overshoot and cracking flow to a minimum, thus reducing heating, power and production losses in high pressure operation
- Design combines a poppet type seat valve with the pilot control - precise adjustment and quick response to eliminate pressure variation and system shocks
- Short delivery time - no warehousing necessary
- 3-port body with SAE61 flange - enables compact design
- 4 sizes (SAE ¾', 1', 1¼', 1½')
- 3 pressure stages
- 3 adjustment modes
 - Hand knob
 - Acorn nut with lead seal
 - Cylinder lock
- With optional vent function

Applications:

- Suitable for general hydraulic applications

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	350 bar
FLOW RATE	300 L/min
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
FOR FLUID TYPE	Water-Glycol According to DIN 51524

BODY MATERIAL	Cast Iron
PRODUCT SERIES	Pressure Valve
SEAL MATERIAL	NBR
WEIGHT	4.6 kg
MAXIMUM FLOW RATE	n/a
MOUNTING TYPE	Flanged according SAE
ACTUATION TYPE	Manual
OPERATION TYPE	Pilot
FLANGE SIZE	SAE61
MAXIMUM PRESSURE SETTING	350 bar
FREQUENCY	n/a
BODY TYPE	3-Port M,Y1,X = G 1/4