

Parker Product Datasheet



The flow compensated direct operated pressure relief valve series EVSA is a reliable seated type valve for screw-in mounting. It is predestined for pressure relieving of entire hydraulic systems.

PART NUMBER: EVSA315A101
PORT CONNECTION: NG10
PRESSURE CONTROL RANGE: 315 bar
LOCKING MECHANISM: Without

PRODUCT OVERVIEW

Parker's direct operated pressure relief valve series EVSA is a flow compensated seated type valve for screw-in mounting and particularly suitable for the pressure relieving of hydraulic systems. Even at high flow rates the preset pressure remains virtually constant. It is available in two sizes (NG06 and NG10) and three pressure stages.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- Robust valve design - minimized failure
- Almost constant pressure level even at high flow rates - improved process and product accuracy
- Short delivery time for most versions - no warehousing necessary
- 3 pressure stages - makes selection and adaption easy
- 2 adjustment modes:

- screw with hexagon socket
- cylinder lock

Applications:

- Suitable for general hydraulic applications
- Machine tools

Function:

When the pressure in port P exceeds the setting pressure the cone opens to port T and thus limits the pressure in port P to the adjusted level. The integrated damping spool prevents pressure fluctuations in the transition region. The pressure is set by the adjusting screw, which is locked by the clamping screw. The setting can optionally be secured by a cylinder lock.

Please note:

The spring must be unloaded when the EVSA is screwed out of the manifold.

TECH SPECIFICATIONS

MOUNTING POSITION	Unrestricted
MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM FLOW RATE	80 L/min
WEIGHT	0.45 kg
CONNECTION TYPE	M35 x 1.5
MINIMUM OPERATING TEMPERATURE	-20 °C
BODY MATERIAL	Steel
MOUNTING TYPE	Screw-in cartridge
PRODUCT SERIES	Pressure valve
ACTUATION TYPE	Manually
MAXIMUM OPERATING PRESSURE	Port T depressurized, Port P 315 bar
FOR FLUID TYPE	Hydraulic oil according to DIN 51524, Water glycol

PRESSURE CONTROL RANGE	315 bar
OPERATION TYPE	Direct
SEAL MATERIAL	FPM