

Parker Product Datasheet



Working extremely stable and precise, the proportional version series VBY*K in size NG06 is particularly suitable for use in machine tools and other applications.

PART NUMBER: VBY315K06N
SEAL MATERIAL: NBR
ACTUATION TYPE: Solenoid
PORT CONNECTION: NG06 / CETOP 03
PRESSURE CONTROL RANGE: 315 bar
PRESSURE ADJUSTMENT CONTROL TYPE: Proportional

PRODUCT OVERVIEW

Parker's proportional pressure relief valves series VBY*K in size NG06 provide a very low leakage and thus an optimized energy efficiency. The spool type valves work extremely stable and precise.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- Works stable and precise - for high process accuracy
- Low leakage - higher energy efficiency
- 5 pressure stages - enables fine adjustment
- Short delivery time for most versions - no warehousing necessary
- Subplate mounting acc. to ISO 5781

- Main stage spool type valve
- Pilot stage seated type valve
- External drain
- Proportional adjustment

Applications:

- Suitable for general hydraulic applications
- Machine tools, e.g. for clamping and other functions

Technical Functionality:

VBY*K is a proportional pressure relief valve with external drain. Because of the high pressure capability of the outlet port, this valve can also be used as sequence valve. In this case the external drain port Y has to be used. The optimum performance can be achieved in combination with the digital amplifier module PCD00A-400.

Note: Pilot operated pressure relief valves series VBY and proportional pressure relief valves series VBY*K in size NG10 are not longer available from Parker, please refer to the recommended products for a replacement.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	315 bar
FLOW RATE	40 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	2.4 kg

MAXIMUM FLOW RATE	N/A
MOUNTING TYPE	Subplate mounting
ACTUATION TYPE	Solenoid
OPERATION TYPE	Pilot
PRESSURE CONTROL RANGE	N/A
MAXIMUM PRESSURE SETTING	315 bar