

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: VBY160K06N

SEAL MATERIAL: NBR

PORT CONNECTION: NG06 / CETOP 03

ACTUATION TYPE: Solenoid

PRESSURE CONTROL RANGE: 160 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

BODY MATERIAL	Cast iron
MAXIMUM OPERATING TEMPERATURE	60 °C
MAXIMUM FLOW RATE	N/A
SEAL MATERIAL	NBR
FOR FLUID TYPE	Hydraulic oil according to DIN 51524
MINIMUM OPERATING TEMPERATURE	-20 °C
MAXIMUM OPERATING PRESSURE	315 bar
MAXIMUM PRESSURE SETTING	160 bar
DIVISION	Hydraulic Valve Systems Division Europe
MOUNTING TYPE	Subplate mounting

OPERATION TYPE	Pilot
WEIGHT	2.4 kg
PRESSURE CONTROL RANGE	N/A
FLOW RATE	40 L/min
ACTUATION TYPE	Solenoid
PRODUCT SERIES	Pressure valve