

Parker Product Datasheet



The proven counterbalance valve series ZNS in size NG06 (CETOP 03) and NG10 (CETOP 05) enables a reliable operation by controlling the actuator movement at overrunning loads.

PART NUMBER: 098-91137-0

SEAL MATERIAL: NBR

FUNCTION: Pressure control in A and B

PORT CONNECTION: NG10 / CETOP 05

PRESSURE CONTROL RANGE: 140 - 350 bar

PRODUCT OVERVIEW

Parker counterbalance valves series ZNS in sandwich design control the actuator movement at overrunning loads via a leak-free poppet valve. Thereby they enable a reliable operation and a linear lowering speed of the cylinder.

The return flow from the actuator is piloted and controlled by the inlet flow to the actuator, ensuring a cavitation-free lowering of the load. The counter balance valve operates as a pressure relief valve. The setting pressure is lowered by the pressure in the inlet line.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Controlled movement loads - prevents cavitation

- Load holding via leak-free poppet valve - ensures reliable operation
- Short delivery time - no warehousing necessary
- Available in two sizes:
 - ZNS*01 – NG06 (CETOP 03)
 - ZNS*02 – NG10 (CETOP 05)
- Secondary relief protection for the actuator

Applications:

- Suitable for general hydraulic applications
- Machine tools

Please note:

To ensure safe load holding the setting pressure should be approximately 30 % higher than the max. load pressure.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 L/min
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	315 bar
FLOW RATE	120 L/min
MINIMUM OPERATING TEMPERATURE	-20 L/min
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
BODY MATERIAL	Steel
PRODUCT SERIES	Counterbalance Valve
SEAL MATERIAL	NBR
MAXIMUM FLOW RATE	n/a
MOUNTING TYPE	Sandwich Plate
FUNCTION	Load Holding
ACTUATION TYPE	Oil Pilot

OPERATION TYPE	Pilot
CONFIGURATION	n/a
PRESSURE CONTROL RANGE	n/a
MAXIMUM PRESSURE SETTING	140 to 315 bar
ADJUSTMENT MECHANISM	Hexagon Screw with Lock Nut