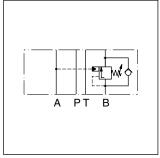
The return flow from the actuator is piloted and controlled by the inlet flow to the actuator, ensuring a cavitation-free lowering of the load.

The counter balance valve operates as a pressure relief valve. The setting pressure is lowered by the pressure in the inlet line. To ensure safe load holding the setting pressure should be approximately 30 % higher than the max. load pressure.

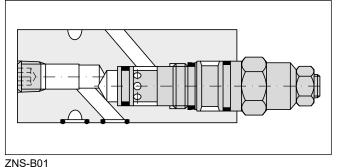
Features

- Controlled movement loads
- Load holding via leak-free poppet valve
- Secondary relief protection for the actuator
- ZNS*01 NG06 (CETOP 03) ZNS*02 - NG10 (CETOP 05)

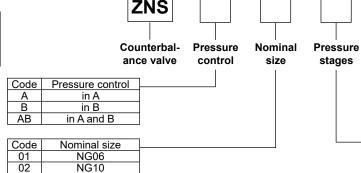


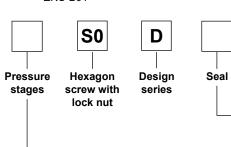


ZNS-AB01 ZNS-B01



Ordering code





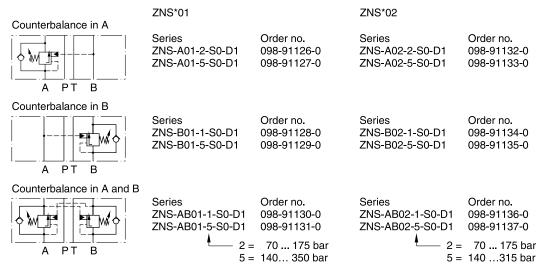
П	Oodo	Ocui
	1	NBR
	5	FPM

Saal

Code

Code	Pressure stages
2	70 - 175 bar
5 ¹⁾	140 - 350 bar

Ordering code details



ZNS UK.indd 06.10.22



¹⁾ NG10 to 315 bar

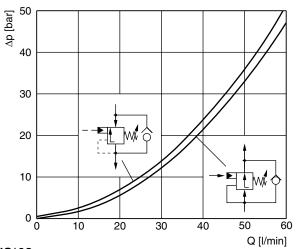
Technical Data / Characteristic Curves

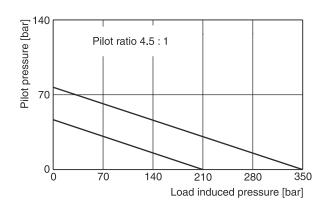
Technical data

General						
Size			NG06	NG10		
Mounting interface			DIN 24340 A6	DIN 24340 A10		
Ü			ISO 4401	ISO 4401		
			NFPA D03	NFPA D05		
Mounting position			unrestricted			
Ambient temperature [°C]			-20+60			
Weight	1 cartridge	[kg]	1.3	1.6		
	2 cartridges	[kg]	3.0	3.9		
Hydraulic						
Max. operating pressure [bar]			350	315		
Pressure stages [bar]			175, 350			
Pilot ratio			4.5 : 1			
Leakage			on request			
Nominal flow [l/min]		60	120			
Opening pressure [bar]		0.3	0.3			
Fluid			Hydraulic oil according to DIN 51524			
Fluid temperature [°C]			-20+70 (NBR: -25+70)			
Viscosity, permitted [cSt] / [mm ² /s]		20 400				
	recommended	[cSt] / [mm ² /s]				
Filtration			ISO 4406 (1999); 18/16/13			

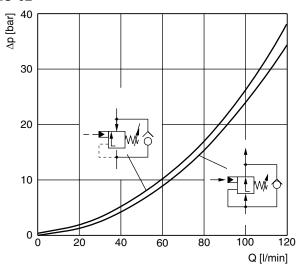
p/Q performance curves

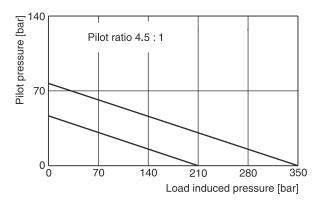
ZNS*01





ZNS*02



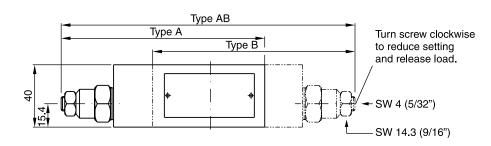


All characteristic curves measured with HLP46 at 50 °C.

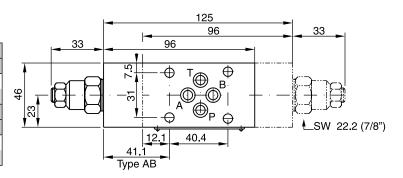
ZNS UK.indd 06.10.22



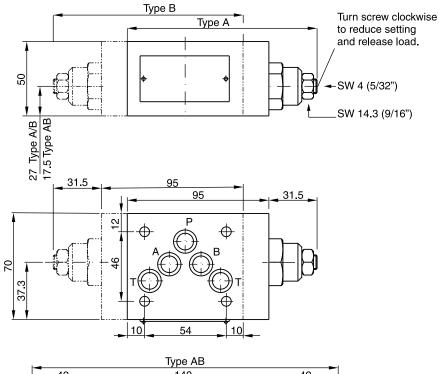
ZNS*01



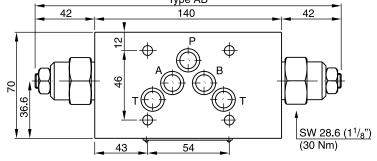
Seal kit ZNS*01				
Seal	Order code			
NBR	098-91153-0			
FPM	098-91154-0			
Complete cart	ridge ZNS*01			
Pressure stage	Order code			
•				
Pressure stage	Order code			



ZNS*02



Seal kit ZNS*02				
Seal	Order code			
NBR	098-91155-0			
FPM	098-91156-0			
Complete cartridge ZNS*02				
Pressure stage	Order code			
2	517-00449-8			
_	317-00449-0			





ZNS UK.indd 06.10.22

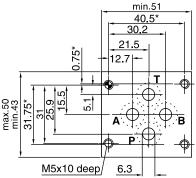


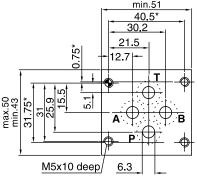
NG16

Code: ISO 4401-07-06-0-94

NG06

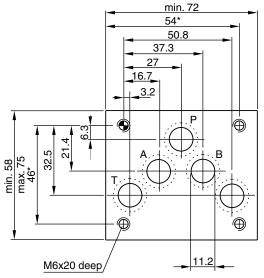
Code: ISO 4401-03-02-0-94

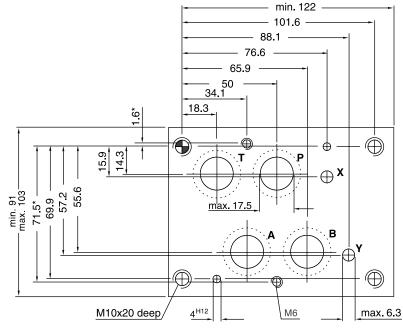




NG10

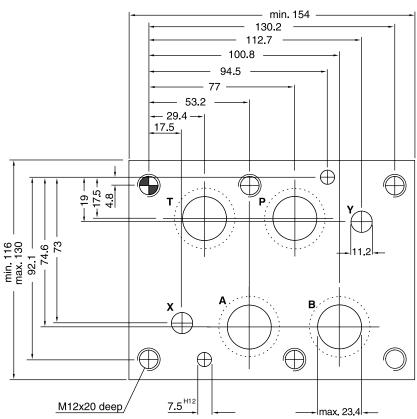
Code: ISO 4401-05-05-0-94





NG25

Code: ISO 4401-08-07-0-94 (Port diameter acc. to NFPA)



Dimensions marked with*: ± 0.1 mm. All other dimensions: ± 0.2 mm.

information07.indd 05.10.22



Sandwich Valves

Parker sandwich valves can be installed as desired. Each has a mounting pattern, whose dimensions correspond to the following standards.

ISO 4401

DIN 24430

CETOP RP121

NFPA

Mounting screws

Cylinder head bolts as per ISO 4762-12.9, or studs as per DIN 835 10.9 with cylindrical nuts are used to mount the height stacking Manapak sandwich valves.

Bolt kits and tie rods see chapter 12, "Accessories".

Length of the mounting screws

The screw length is the sum of the engagement depth plus the stacking length. The stud length is the sum of the stacking length plus the thread depth of the nut.

Torques

The mounting screws or studs must be tightened with the prescribed tightening torque so that safety and proper seal are ensured.

See chapter 12 "Accessories" for BK bolt kits and TK tie rod kits.

Threads length

Threads	M5	M6	M10	M12
thread length	1.5 x Ø thread			

