mum flow rates.

Features

• High flow capacity

be selected by model code.

control valves is available on request.

• Various functional arrangements

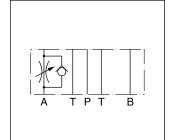
 ZRD01 - NG06 (CETOP 03) ZRD02 - NG10 (CETOP 05)

Throttle check valves series ZRD are designed for maxi-

The throttle check function can be located in port A or B as well as in A + B. Meter-in or meter-out functionality can

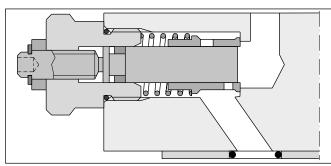
A low flow / high resolution version in NG06 for sensi-

tive shifting time adjustment of pilot operated directional



ZRD-ABZ01

ZRD-AA02



ZRD-AA02

Technical data

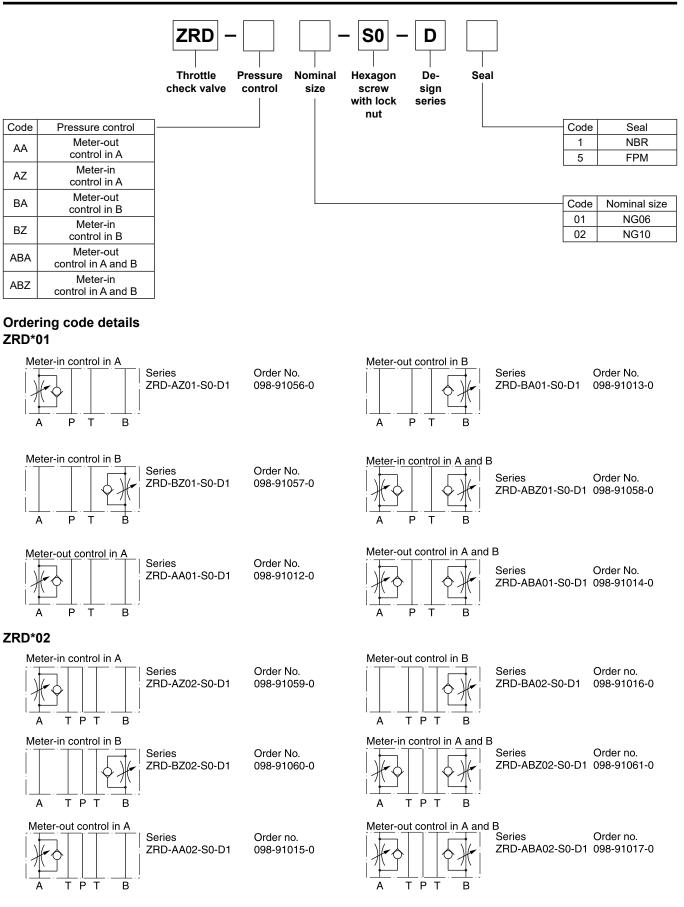
General					
Size			NG06	NG10	
Mounting interface		DIN 24340 A6 ISO 4401 NFPA D03	DIN 24340 A10 ISO 4401 NFPA D05		
		CETOP RP 121			
Mounting position			unrestricted		
Ambient temperature [°		-20+60			
MTTF _D value		[years]	150		
Weight	1 cartridge	[kg]	1.2	2.8	
	2 cartridges	[kg]	1.3	2.9	
Hydraulic					
Max. operating pressure		[bar]	350	315	
Nominal flow		[cSt] / [l/min]	80	160	
Leakage		[cSt] / [l/min]	0.10.2 (at closed throttle)	0.10.2 (at closed throttle)	
Opening pressure		[bar]	0.7	0.7	
Fluid			Hydraulic oil according to DIN 51524		
Fluid temperature [°C]			-20+70 (NBR: -25+70)		
Viscosity,	permitted	[cSt] / [mm²/s]	20 400		
	recommended	[cSt] / [mm²/s]	30 80		
Filtration		ISO 4406 (1999); 18/16/13			

ZRD UK.indd 06.10.22



Catalogue MSG11-3500/UK Ordering Code

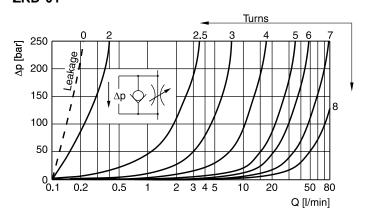
Throttle Check Valve Series ZRD

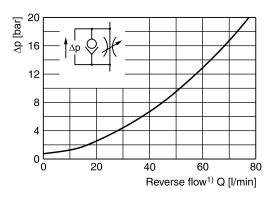


ZRD UK.indd 06.10.22

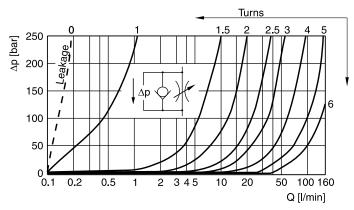


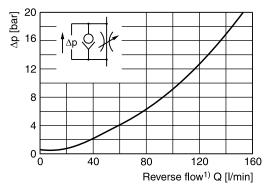
p/Q performance curves ZRD*01





ZRD*02



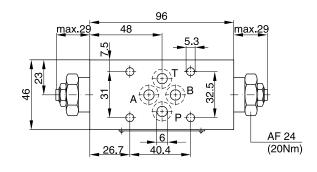


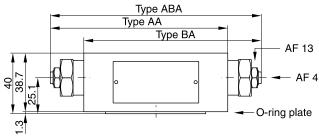
1) Throttle closed.

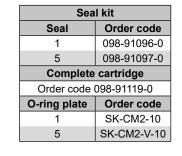
All characteristic curves measured with HLP46 at 50 °C.

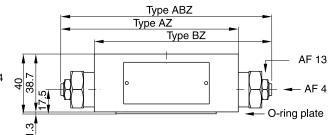


ZRD*01

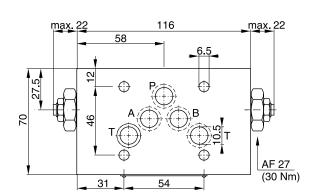




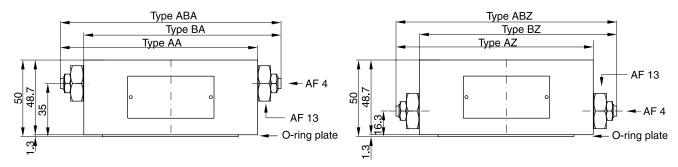




ZRD*02



Seal kit			
Seal	Order code		
1	098-91098-0		
5	098-91099-0		
Complete cartridge			
Order code 098-91120-0			
O-ring plate	Order code		
1	SK-CM3-10		
5	SK-CM3-V-10		



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