BEIJING HUADE HYDRAULIC INDUSTRIAL GROUP CO.,LTD.	Pilot operated Check valve sandwich plate Type Z2S (New Series)			RE 21601/12.2004
	Size <sup>6</sup> , 10 16, 22	up to 31.5 MPa	up to 450L/min	
<ul> <li>Features:</li> <li>For use in vertical stacking</li> <li>For the leak free closured service ports</li> <li>Porting pattern to Din 24 and CETOP-RP 121H</li> </ul>	of one or two	401		
Functional, section Hydraulic pilot operated cl sandwich plate design.	neck valves type Z2	2S are of		
They are used for the leak service ports, even for long Free flow occurs from A1	periods of time. to A2 or B1 to B2. F			/////J~~
the opposite direction is bl When fluid flows from A1 to pressured and is pushed to opening the ball poppet van the poppet(3).	to A2, the spool (1) o the right, thereby alve (2) which then	opens		
In order to ensure correct service ports of the direction cted to tank in the neutral	onal valve must be		5 Type Z2S6	2
			(2) B1	3)
<ol> <li>Spool</li> <li>Ball poppet valve</li> <li>Poppet</li> <li>Area A1</li> </ol>				
5 Area A2			IIIII III	

Type Z2S10



## Technical data

Size		6	10	16	22	
Max. flow L/min	(L/min)	to 60	to 120	to 300	to 450	
Max. operating pressure	(MPa)	31.5				
Cracking pressure	(MPa)	see curve				
Directions	see symbols					
Area ratio		A1/A2=1:3	A1/A2=1:11.45	A1/A2=1:11.8	A1/A2=1:13.6	
			A3/A2=1:2.86	A3/A2=12.8	A3/A2=1:2.8	
Pressure fluid		Mineral oils(for NBR seal) or phosphate ester(for FPM sea				
Pressure fluid temperature range	(°C)	-30 to +80				
∀iscosity range	(mm²/s)	2.8 to 500				
Weight	(kg)	approx. 0.8	approx. 3	approx. 6.5	approx. 12	

Characteristic curves (measured at  $v = 41 \text{ mm}^2$  /s and t = 50 °C)

Type Z2S6

 $---- = A1 \rightarrow A2; B1 \rightarrow B2$ 

 $\dots = A2 \rightarrow A1; B2 \rightarrow B1$ 

- 1 Cracking pressure 1=0.15MPa
- 2、Cracking pressure 2=0.3MPa
- Cracking pressure 3=0.7MPa
- 4. Through check valve cartridge
- Flow freely (Without check valve cartridge type"A" and type"B")





Type Z2S10





## Unit dimensions

## (Dimensions in mm)



