All original manufacturers'names,part numbers and description are for reference purposes only and it doesn't imply that any Part listed is the product of these manufacturers.

Z2FS Series Modular Check Flow Regular Valves

MACHYDRA

CONTENT

1. Z2FS type modular check valve, it controls the flow through the way of changing fracture surface to actualize flow control.





ORDERING DETAILS

Z2FS **10** _ **3X** _ _ _

Series code
Z2FS = Modular type check flow regular valves

Size
6 = NG6
10 = NG10
16 = NG16
22 = NG22

Blank = Chamber A, B with throttle
A = Chamber A with throttle
B = Chamber B with throttle

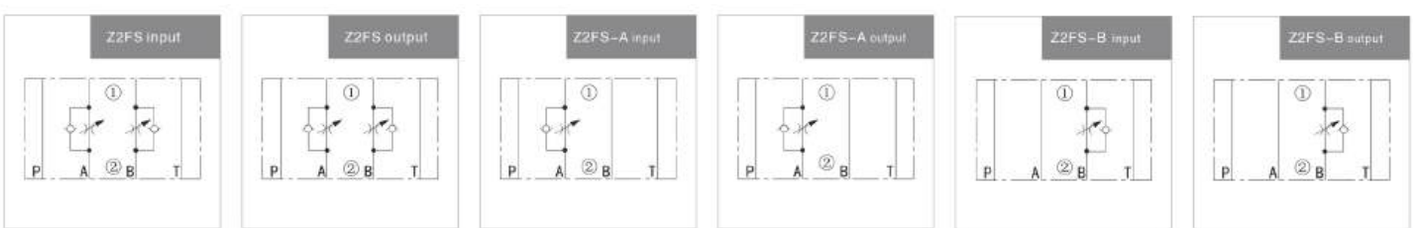
Serial number
3X = series 3X(30~39 structure and dimension are same)

Additional remark

Hydraulic seals
No code = NBR seals
V = FKM seals

S = Input throttle
S2 = Output throttle
Note: the change of NG6/10 input and
Output throttle only need to rotate the valve 180 degree

SYMBOLE



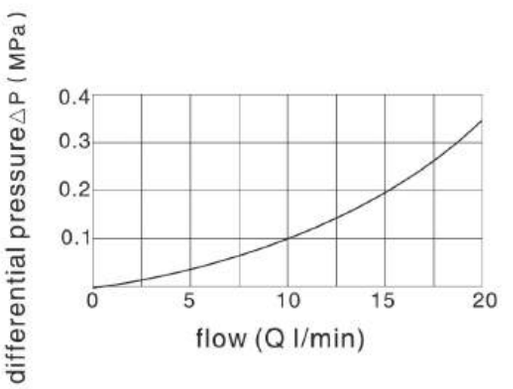
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TECHNICAL DATA

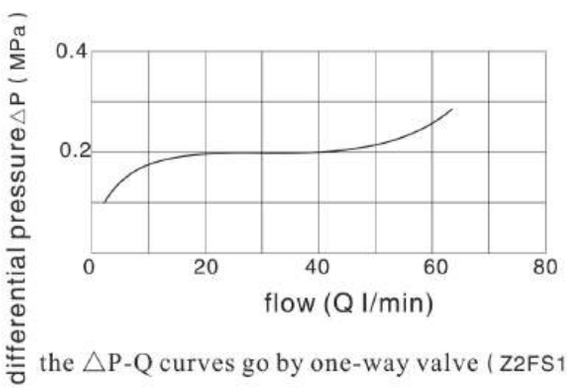
Hydraulic Data

Mounting site		Optional			
Flow direction		One direction throttles,another direction back flow through the check valve			
Pressure medium		Mineral oil (HL, HLP) according to DIN51524; phosphate (HFD-R)			
The oil pollution level		The maximum oil pollution level according to NAS1638 class9			
Working medium temperature range	°C	-20~+80°C			
Viscosity scope	mm²/s	10~800mm²/s			
The maximum operating pressure		35MPa			
Drifter diameter		6	10	16	25
Weight	kg	10	3.1	4.7	8

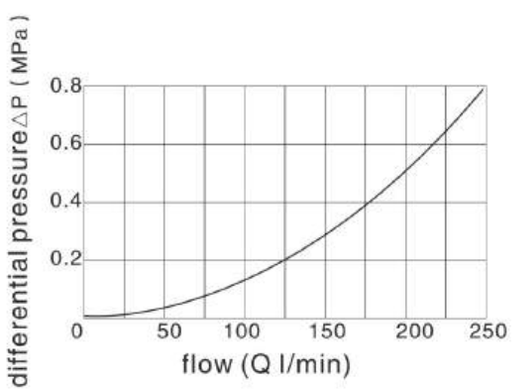
CHARACTERISTIC CURVE



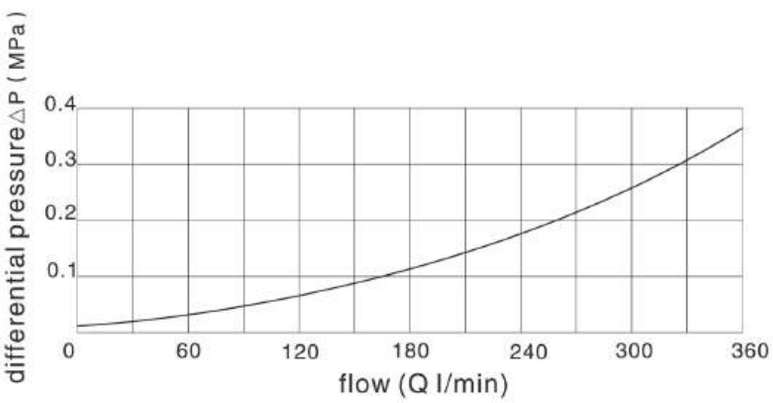
the △P-Q curves go by one-way valve (Z2FS6)



the △P-Q curves go by one-way valve (Z2FS10)

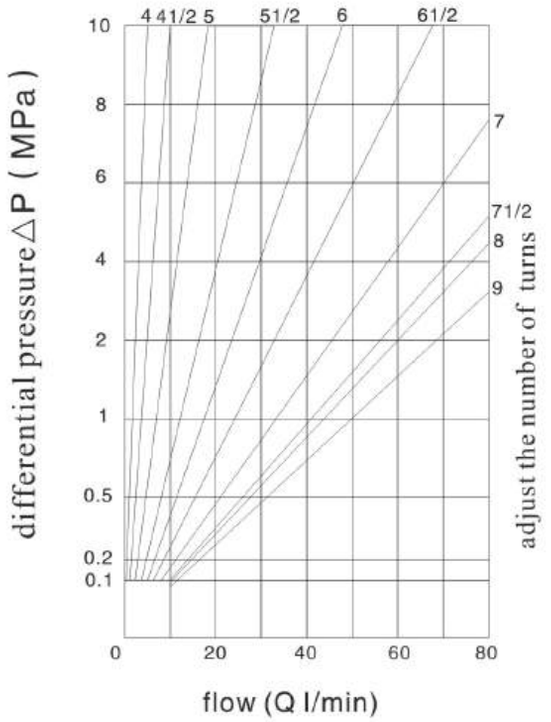


the △P-Q curves go by one-way valve (Z2FS16)

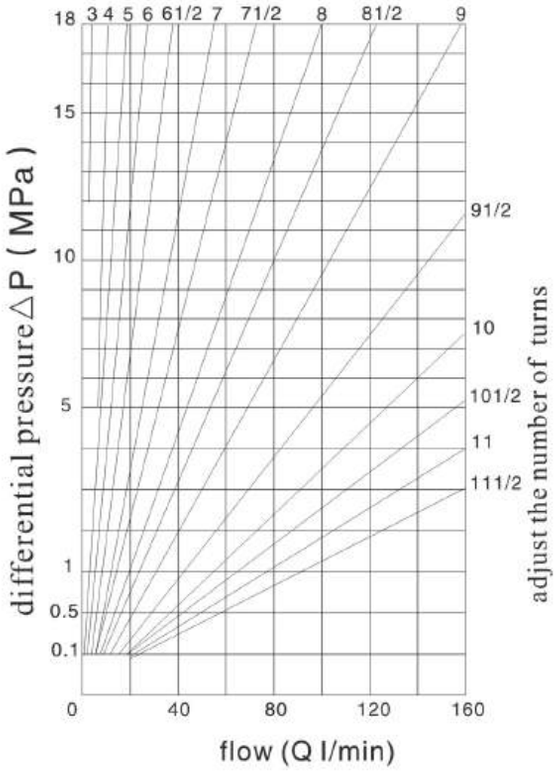


the △P-Q curves go by one-way valve (Z2FS22)

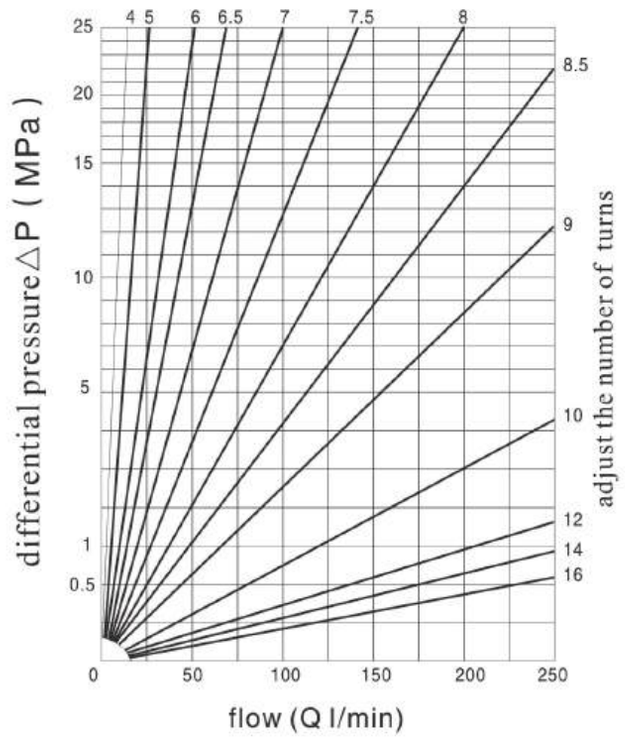
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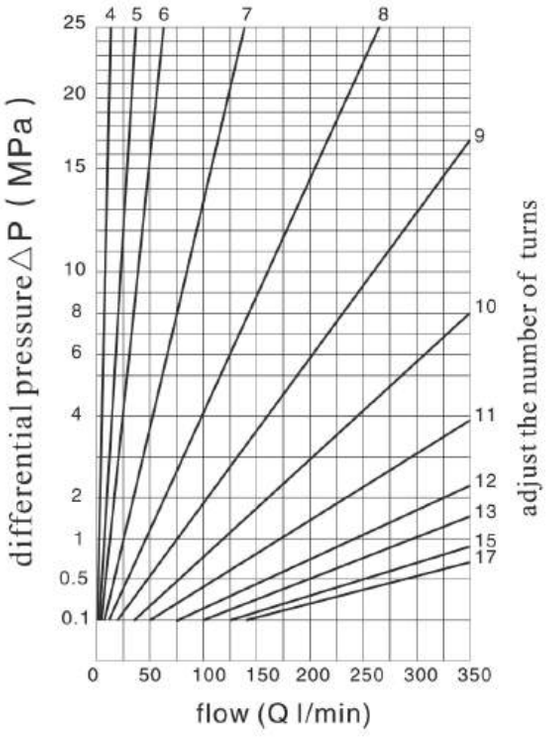
curve chart (type) of △P-Q in each position
with throttling set (Z2FS6 type)



curve chart (type) of △P-Q in each position
with throttling set (Z2FS10 type)



curve chart (type) of △P-Q in each position
with throttling set (Z2FS16 type)

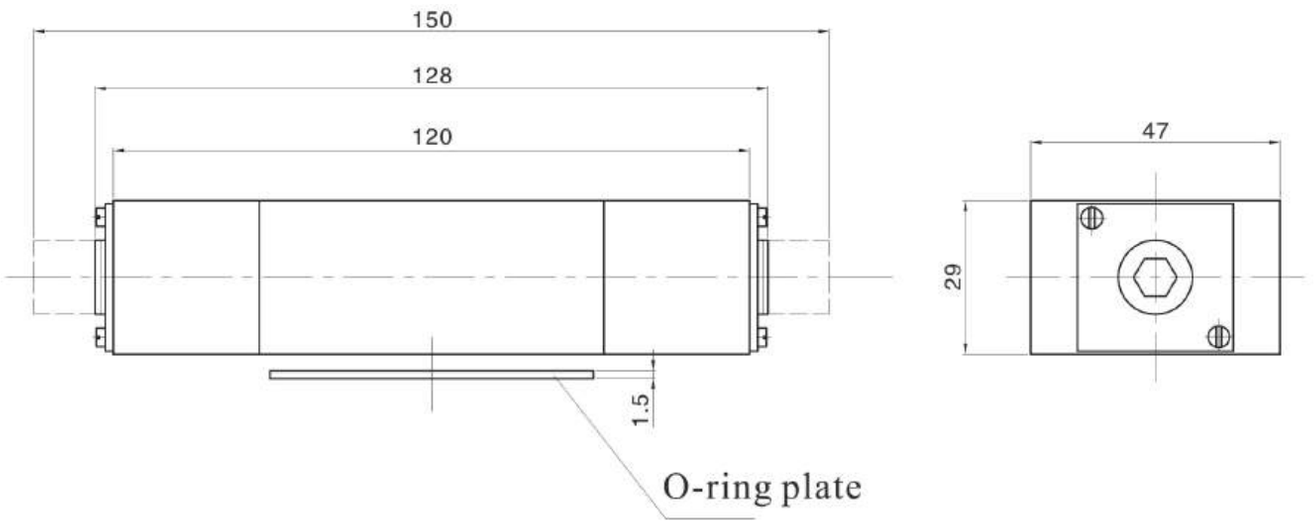


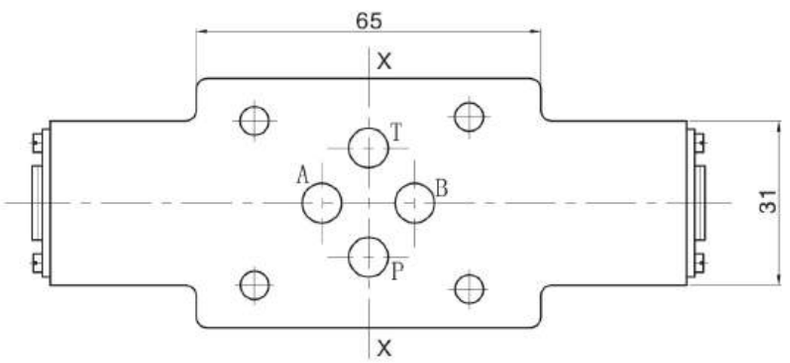
curve chart (type) of △P-Q in each position
with throttling set (Z2FS22 type)

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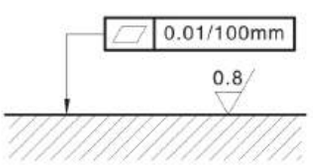
UNIT DIMENSIONS

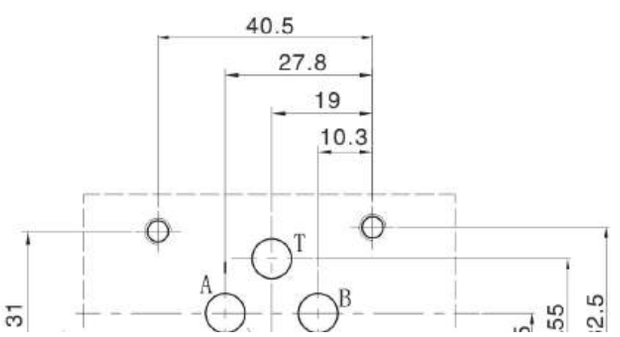
Z2FS6



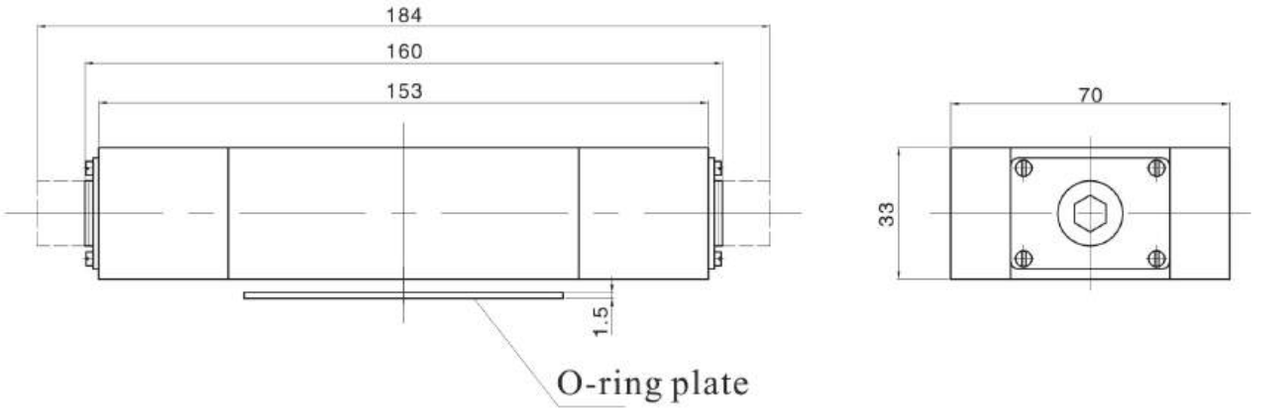


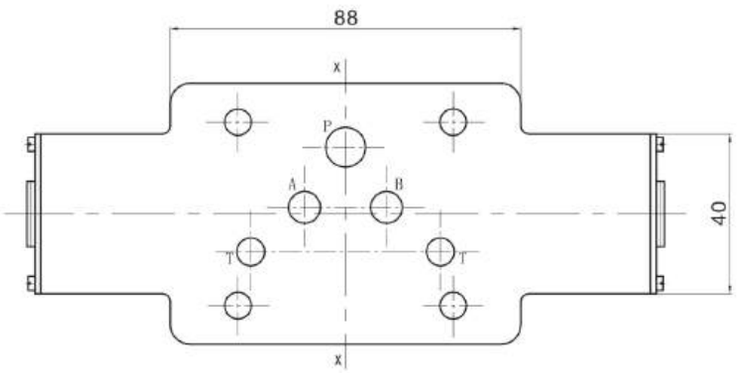
when we need to change the inlet throttling to outlet throttling, circle the axel X-X and rotate the valve 180°, then it can be realized.



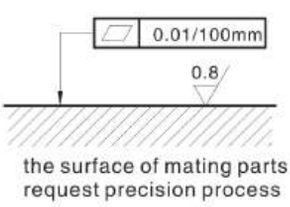


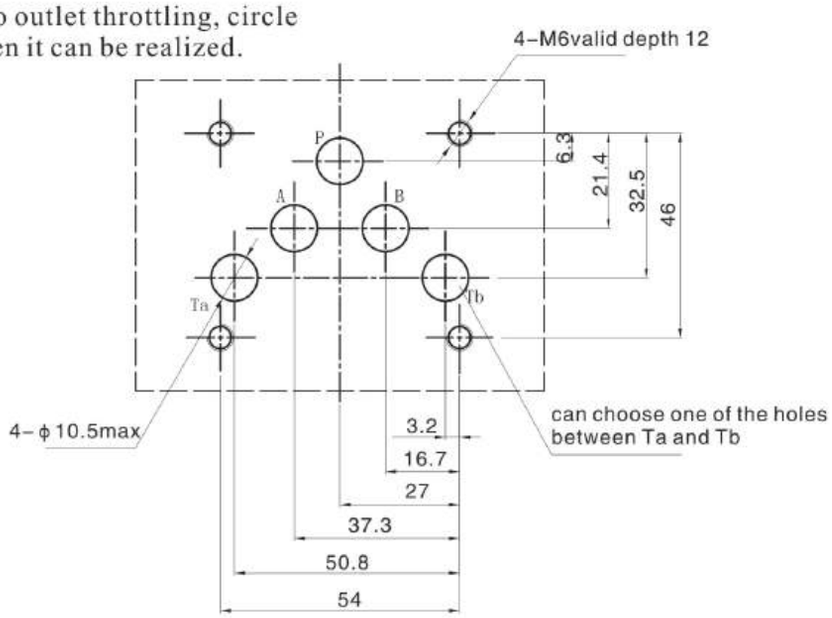
Z2FS10





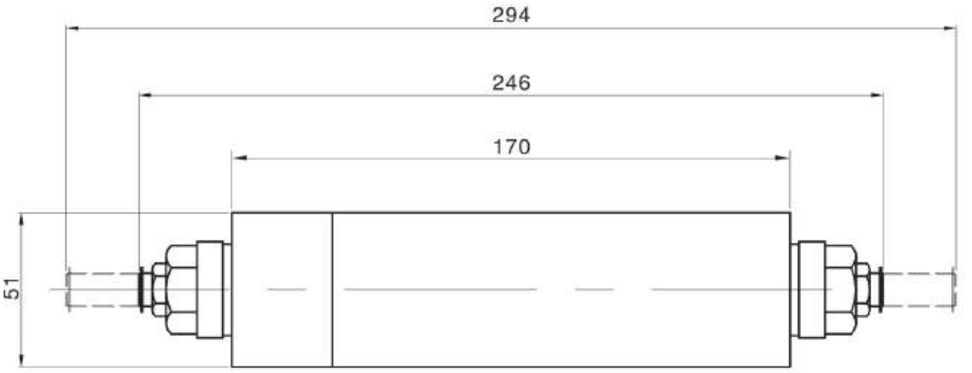
when we need to change the inlet throttling to outlet throttling, circle the axel X-X and rotate the valve 180 ° , then it can be realized.

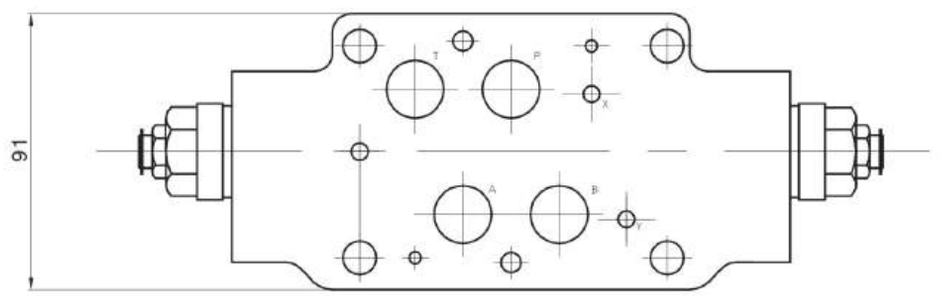


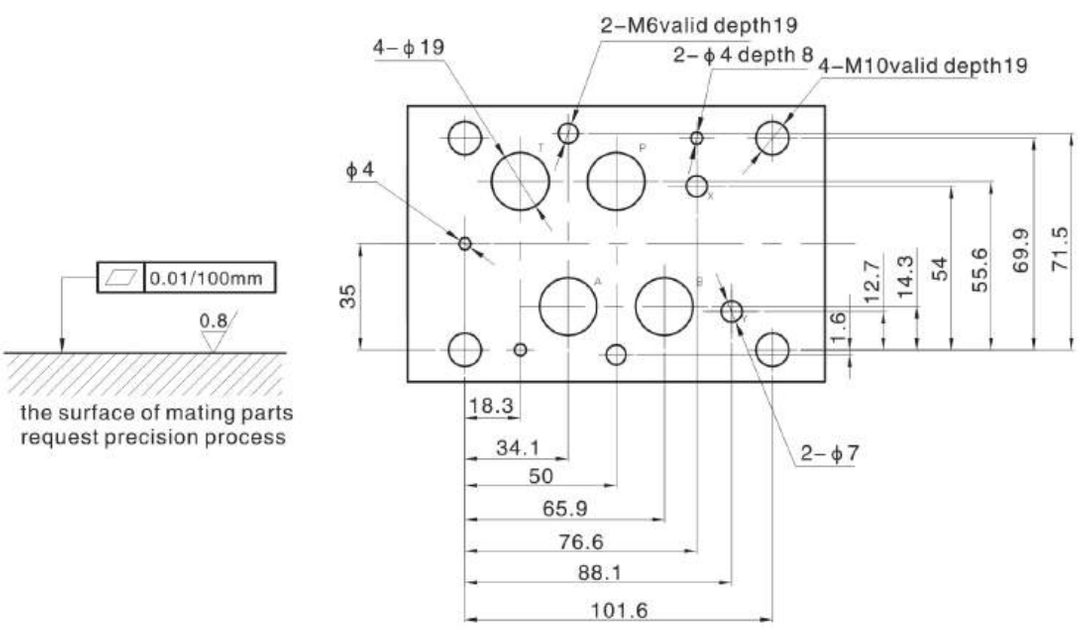


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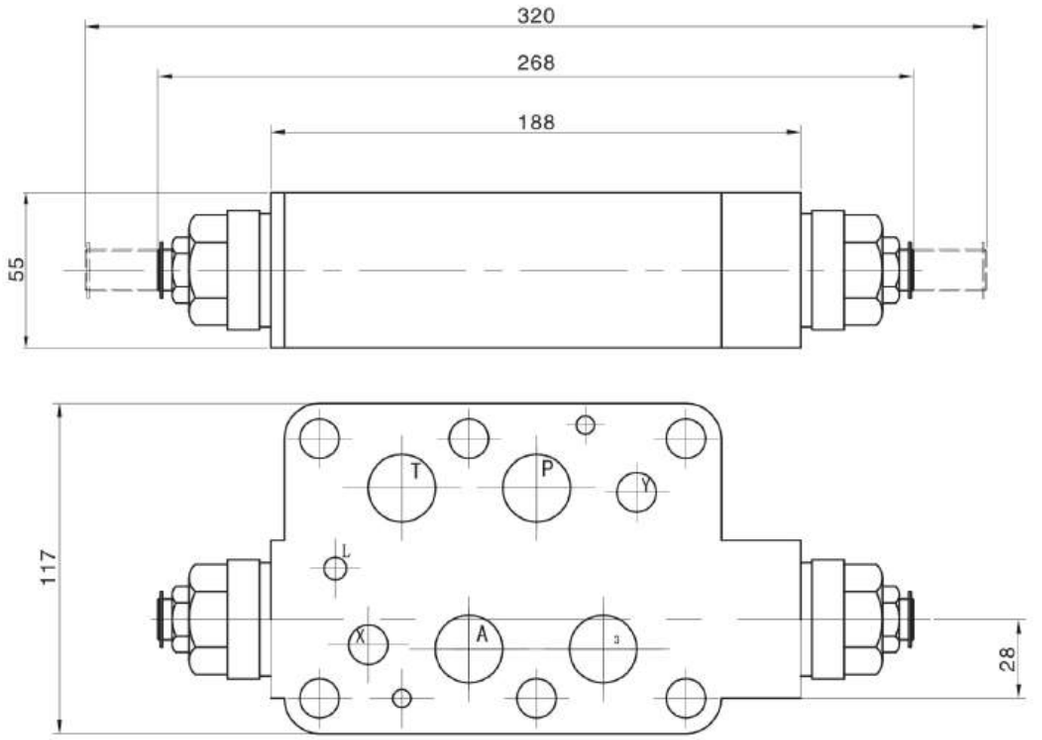
Z2FS16

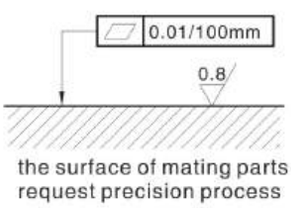


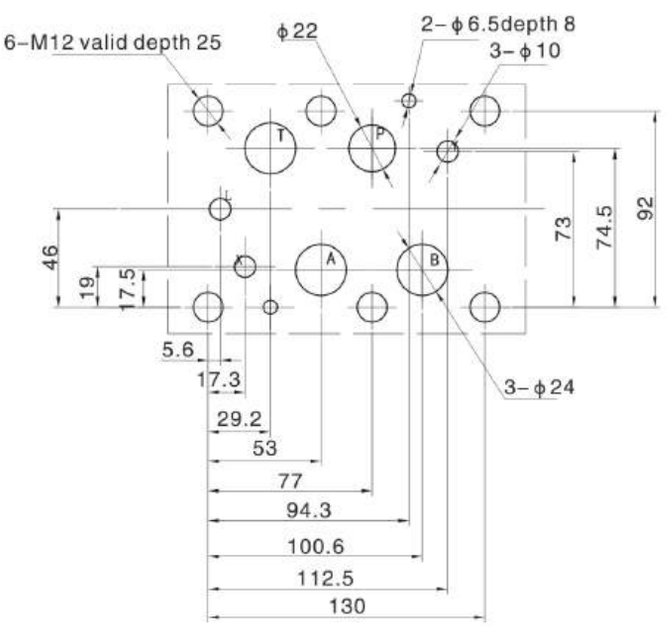




Z2FS22


320
268
188
55
117
T
P
Y
L
X
A
B
28


0.01/100mm
0.8
the surface of mating parts
request precision process


6–M12 valid depth 25
ϕ22
2–ϕ6.5depth 8
3–ϕ10
T
P
Y
L
X
A
B
46
19
17.5
73
74.5
92
5.6
17.3
29.2
53
77
94.3
100.6
112.5
130
3–ϕ24