2FRM6 type of flow control valve



ORDERING DETAILS

2FRM 6 _ _ 6 L3X _ _ V *

Series code
2FRM = Flow control valve

Size
6 = Specification 6

Switch of pressure compensation
A = With external switch of pressure compensation (restrain throb when start)
B = Without external switch of pressure compensation
SB = Without external switch of pressure compensation(used in plate installation)

Setting device
3 = Scale knob can be locked
7 = With scale knob

6 = when scale is at 0 position,it corresponds to port P

Serial number
L3X = 30-39(30-39:shape interchangeable)

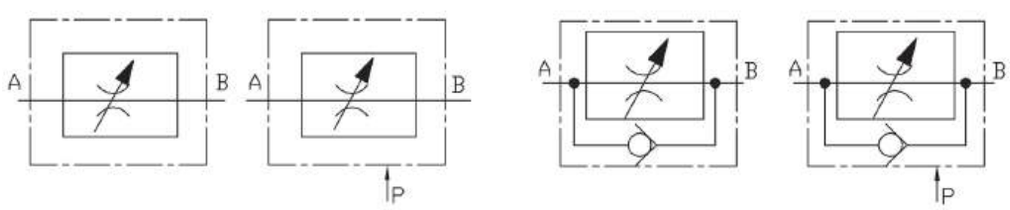
Explain other details with words

Hydraulic seal
V = FKM seal
No mark = NBR seal

Check valve
R = With check valve
M = Without check valve

Flow(A to B)
0.2Q = To 0.2L/min
0.6Q = To 0.6L/min
1.5Q = To 1.5L/min
3Q = To 3L/min
6Q = To 6L/min
10Q = To 10L/min
16Q = To 16L/min
25Q = To 25L/min
32Q = To 32L/min

SYMBOLE



2FRM6B.. M type | 2FRM 6A..M type | 2FRM6B.R type | 2FRM 6A..R type

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TECHNICAL DATA

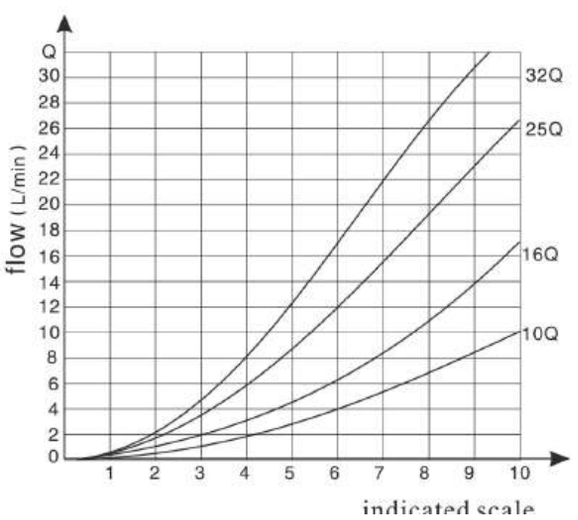
Hydraulic Data

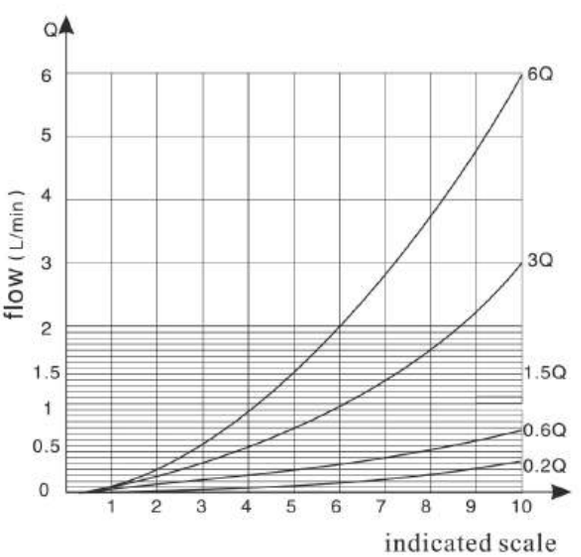
2-way flow control valve			Mineral oil (HL, HLP)with DIN51524; organic phosphate (HFD-R)							
Fluid										
Temperature range of oil		°C	-20~+80							
Viscosity range		mm²/s	10~800							
Cleanness of oil			The maximum oil pollution level according to NAS1638 class 9 So we recommend the minimum filtration precision of filter β10≥75							
Flow	Q_{max}	L/min	0.2	0.6	1.5	3.0	6.0	10.0	16.0	25.0	32.0
	Q_{min} to 10Mpa	ML/min	15	15	15	15	25	50	70	100	250
	~31.5Mpa	ML/min	25	25	25	25	25	50	70	100	250
The pressure drop △P, when B to A flow reversely-freely			see the back curve							
Minimum differential pressure		bar	6~14							
Pressure stability, to △P=31.5Mpa		%	±2(Q_{max})							
Working pressure, port A		bar	~315							
Weight		kg	TO1.3(SB~1.5)							
Rectifier stack board										
Nominal flow rate		L/min	32							
Working pressure		bar	~210							
Start pressure		bar	0.7							
Weight		kg	about 0.9							
Under the small flow, when flow from P (entrance of directional valve) to A (exit of flow control valve), the pressure loss is substantial.										

CHARACTERISTIC CURVE

（measured when v=36mm²/s； t=50℃）

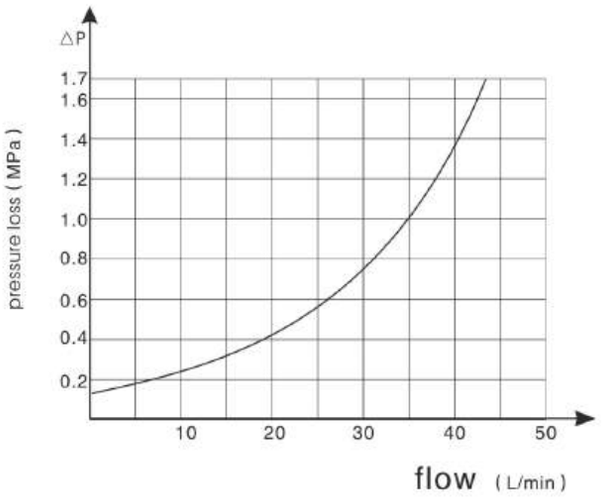
curve of flow-scale （flow control A→B）



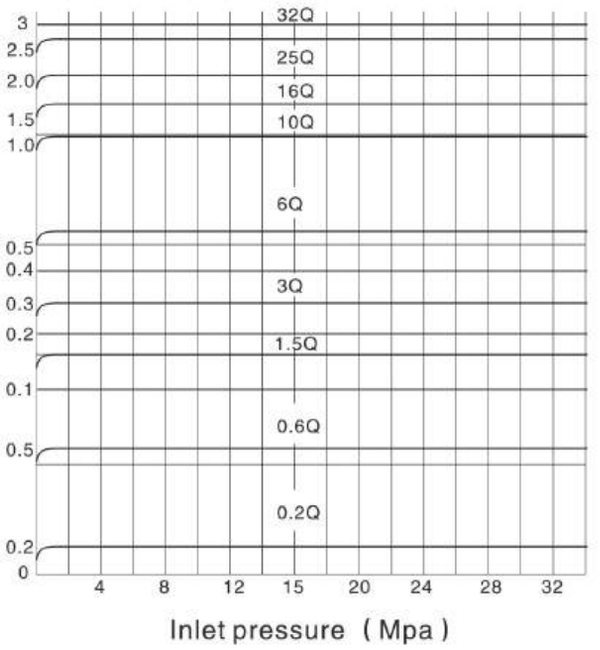


All original manufacturers'names,part numbers and description are for reference purposes only and it doesn't imply that any Part listed is the product of these manufacturers.

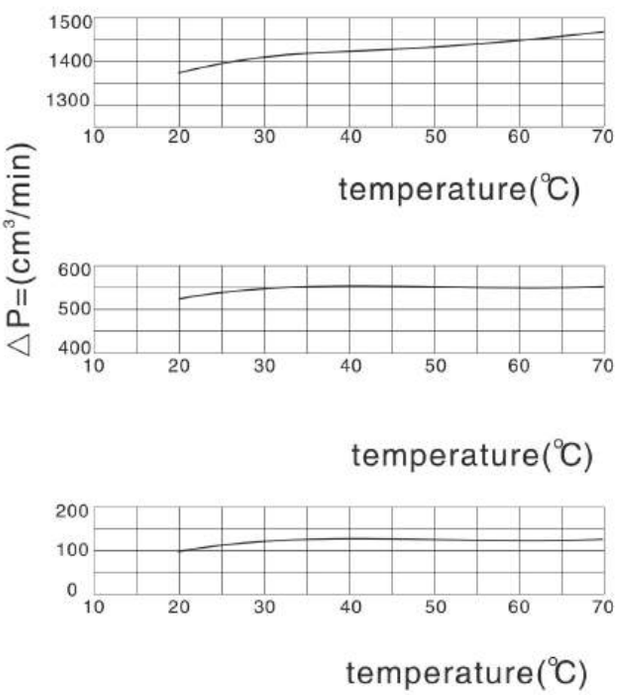
choke orifice closed, the differential pressure goes by one-way valve from B to A.



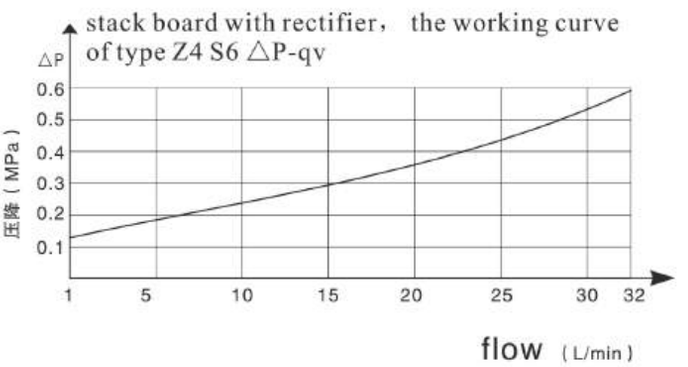
curve of pressure and flow



the effect from temperature when △P=2Mpa



stack board with rectifier， the working curve of type Z4 S6 △P-qv



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UNIT DIMENSIONS

