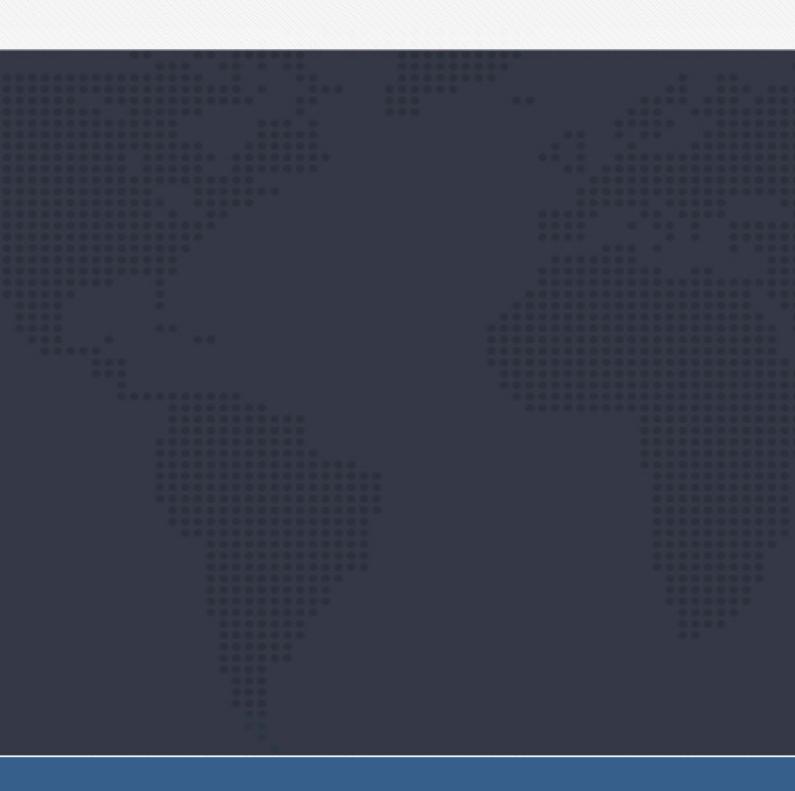


Catálogo de Produtos



BEIJING HUADE HYDRAULIC INDUSTRIAL GROUP CO.,LTD.

2-way flow control valve, Type 2FRM

up to 21MPa

RE:28138/12.2004

up to 15 L/min RE28138/05.2001

Replaces:

Size 5

Features:

- Porting pattern to DIN 24 340, from A,ISO 4401 and CETOP-RP 121H
- Pressure compensator stroke limiter, optional
- Decrease of start-up jump
- Flow control in both directions using a rectifier sandwich plate
- Lockable rotary knob



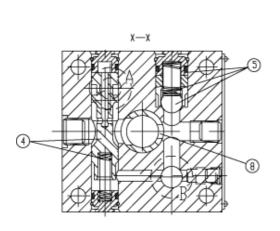
Function, section

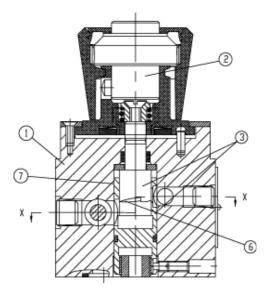
The 2FRM flow valve is a 2-way flow control valve. It mainly consists of housing(1), setting element(2), orifice(3), pressure compensator(4)optionally with stroke limiter as well as check valve(5) and is used for the throttling of a flow at low pressure and temperature dependency.

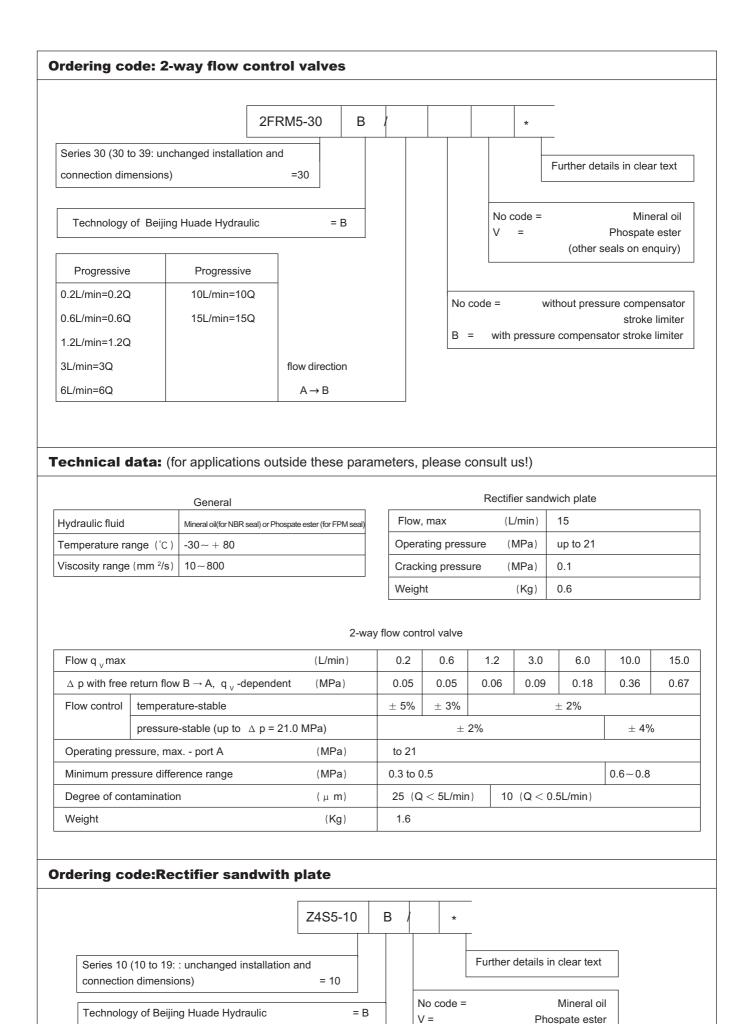
The throttling cross section is set by the roration of the curve bolt(7). To keep the flow constant independent from the pressure at the throttling point(8) a pressure compensator (4)is connected. The temperation independance is the result of the throttling point being constructed as an orifice.

The free flow return from B to A is via the check valve(5).

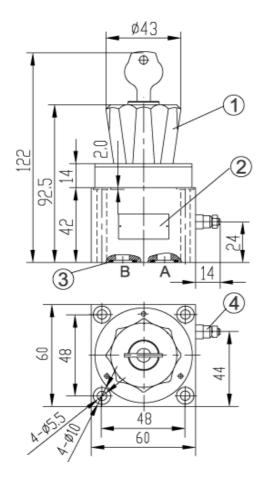
In order to reach a controlled through flow of the valve in either direction there is the possibility to install a rectifier sandwich plate type Z4S below the flow control valve.

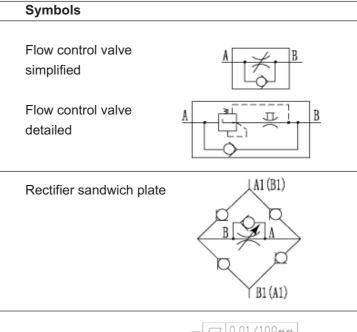






Ordering code: 2-way flow control valve





0.01/100mm
0.8

Required surface finish

of the mating piece

1.Adjustment element, lockable rotary knob(may be locked in any position)

Turning range 300° = 10 scale divisions

Tighting torque M_A =0.5 Nm

2.Nameplate

3.O-ring 12 x 2

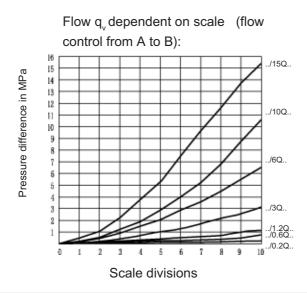
4. Pressure compensator stroke limiter

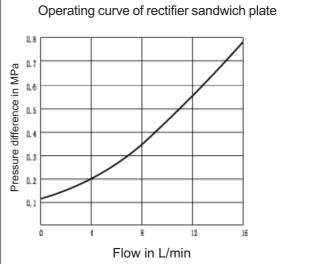
Subplates for: see page 69

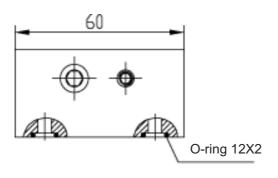
G 44/01 (G 1/4") G 44/02 (M14 \times 1.5)

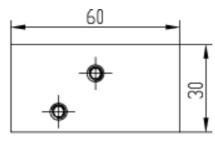
G 45/01 (G 1/2") G 45/02 (M22 \times 1.5))

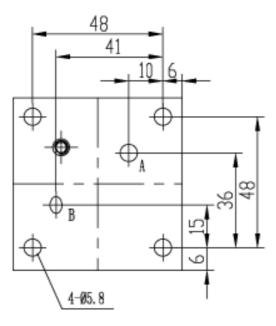
Characteristic curves: 2-way flow control valve (measured at $v = 41 \text{ mm}^2/\text{s}$ and $t = 50^{\circ}\text{C}$)

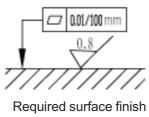












of the mating piece

NOTICE

- 1. The fluid must be filtered. Minimum filter fineness is 20 μ m.
- 2. The tank must be sealing up and an air filter must be installed on air entrance.
- Products without subplate when leaving factory, if need them, please ordering specially.
- Valve fixing screws must be high intensity level (class 10.9). Please select and use them according to the parameter listed in the sample book.
- 5. Roughness of surface linked with the valve is required to
- 6. Surface finish of mating piece is required to 0.01/100mm.

ANNOTATIONS:							

HUADE AMÉRICA

CEP: 03162-020

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