

SINGLE COUNTERBALANCE VALVE

KF02A1

Adjustable pilot ratio

TECHNICAL DATA

Nominal flow	See ordering code
Max. working pressure	450bar
Overcenter valve Setting pressure	See table 1
Geometric pilot ratio	5.3:1
Actual pilot ratio	See table 2
Body Material	Steel

Ports	
V	G 1/2"
R	G 3/8"
Z/M/PIL	G 1/4"

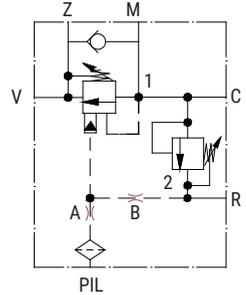
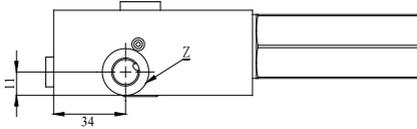
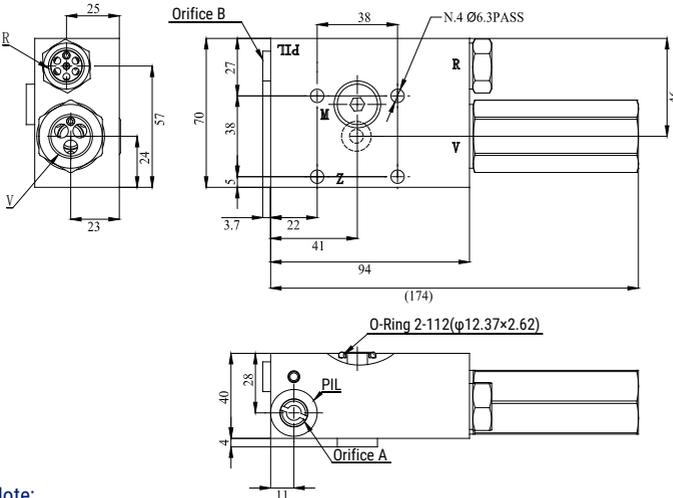


TABLE 1

valve 1	valve 2
0: 300bar	0: 300bar
2: 320bar	2: 320bar
4: 340bar	4: 340bar
6: 360bar	6: 360bar
8: 380bar	8: 380bar
X: 400bar	X: 400bar
Y: 420bar	Y: 420bar
Z: 440bar	Z: 440bar

TABLE 2

φ A	φ B	PIL
4: φ0.4	5: φ0.5	1.54
	6: φ0.6	0.87
	7: φ0.7	0.51
	8: φ0.8	0.31
5: φ0.5	5: φ0.5	2.65
	6: φ0.6	1.72
	7: φ0.7	1.09
	8: φ0.8	0.70



Note:

Pressure setting must be 30% higher than pressure induced by the load.

ORDERING CODE



Nominal flow

- 16 - 16L/min
- 25 - 25L/min
- 40 - 40L/min
- 60 - 60L/min
- 80 - 80L/min

Pilot ratio
See table 2

Setting Pressure
See table 1