

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SISTEMS**

UKLADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

## Sequence, direct acting poppet type

VSQ-30

05.21.07 - X - Y - Z

**RE 18309-85**

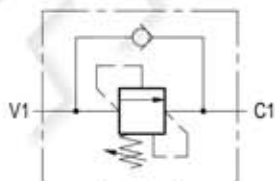
Edition: 03.2016

Replaces: 04.2010



### Description

Initially, the flow goes to a side line connected to V1, not shown here, and energizes a first actuator until pressure increases to meet the selected valve setting; then flow opens the relief cartridge and passes from V1 to C1 energizing the second actuator connected to C1. Note that pressure at C1, i.e. the pressure needed to operate the second actuator, is additive to the relief setting of the valve. The hydraulic damping of the relief poppet provides enhanced stability at all flows. The check valve allows reverse flow, from C1 to V1.

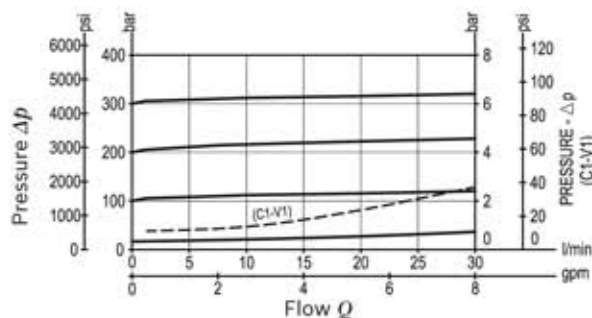


### Technical data

Operating pressure	up to 210 bar (3000 psi)
Max. flow	30 l/min. (8 gpm)
Pressure drop curves are shown with zero black pressure on "C1" port. This valve is successfully employed when the pressure needed to move the secondary actuator is not very high.	
Weight	0.81 kg (1.79 lbs)
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.	
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

### Characteristic curve



**Ordering code**

<b>05.21.07</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
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Sequence  
direct acting poppet type

Adjustments

**03** Leakproof hex. socket screw



Port sizes	V1	C1	
<b>02</b>	G 3/8	G 3/8	
<b>03</b>	G 1/2	G 1/2	

	SPRINGS		
	Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min) bar (psi)
<b>05</b>	5-50 (75-725)	12 (174)	50 (725)
<b>10</b>	30-100 (435-1450)	24 (348)	100 (1450)
<b>20</b>	50-210 (725-3000)	47 (682)	200 (2900)
<b>35</b>	100-350 (1450-5000)	82 (1189)	350 (5000)

Tamper resistant cap  
ordering code 11.04.23.003  
Mat. no. R930000754



**Preferred types**

Type	Material number
052107030205000	R930001418
052107030210000	R930001419
052107030220000	R930001420
052107030235000	R930001421

Type	Material number
052107030305000	R930001423
052107030310000	R930001424
052107030320000	R930001425
052107030335000	R930001428

**Dimensions**

