

RE 18309-87/04.10

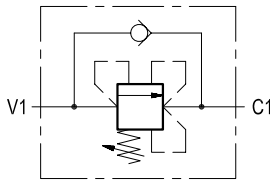
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Replaces: RE 00171/02.07

# Sequence, direct acting poppet type, compensated

VSQ-CC-30

05.21.11 - X - Y - Z



## 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. The valve applies a balanced relief piston allowing relief operation at the valve setting independent of back-pressure at C1. With line pressure equal or higher than setting, after valve opening, the full pressure is transferred from V1 to C1 and to the second actuator. The hydraulic damping of the relief piston provides enhanced stability at all flows. The check valve allows reverse flow, from C1 to V1.

## Technical data

### Hydraulic

|                    |             |                  |
|--------------------|-------------|------------------|
| Operating pressure | bar (psi)   | up to 210 (3000) |
| Max. flow          | l/min (gpm) | 30 (8)           |

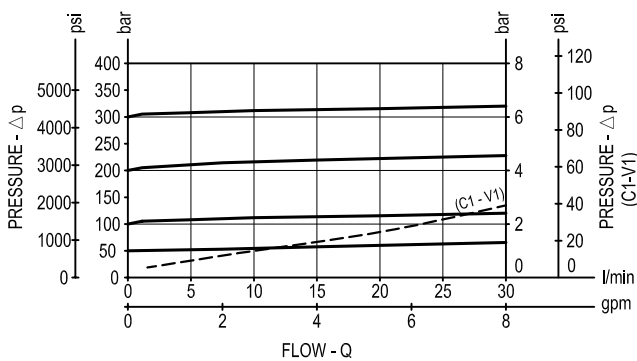
For a good performance, the pressure in the secondary circuit should not drop below 20 bar.

### General

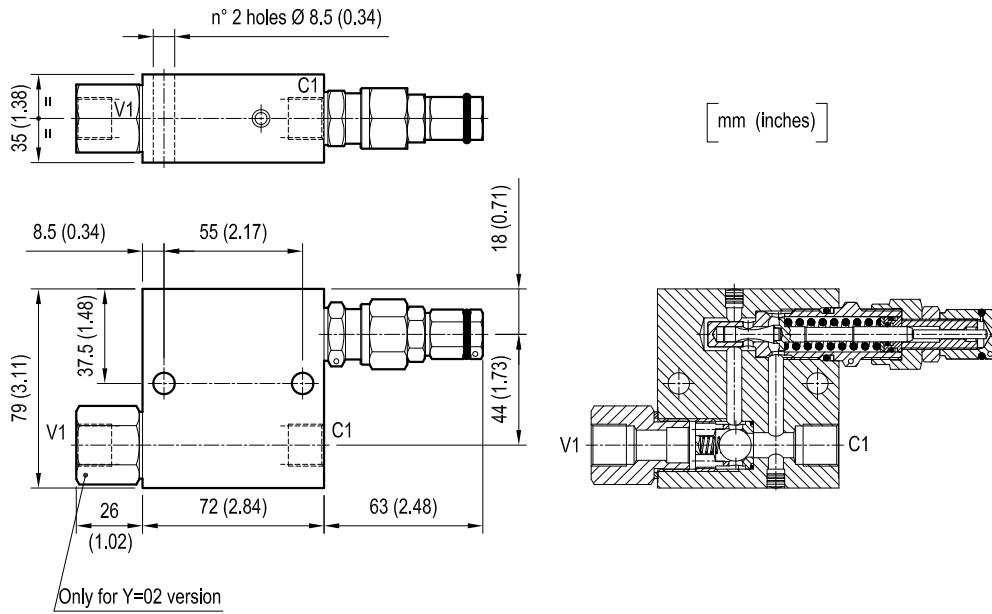
|  |                            |                                  |
|--|----------------------------|----------------------------------|
| Manifold material  | Aluminium                  |                                  |
| Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network. |                            |                                  |
| Weight   | kg (lbs)                   | 0.81 (1.79)                      |
| Fluid temperature range  | °C (°F)                    | between -30 (-22) and +100 (212) |
| Other technical data   | see data sheet RE 18350-50 |                                  |

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

## Performance



Dimensions



Ordering code

|          |   |   |   |
|----------|---|---|---|
| 05.21.11 | X | Y | Z |
|----------|---|---|---|

Sequence, direct acting poppet type, compensated

Adjustments

= 03 Leakproof inner hex. socket screw



| Port sizes | V1    | C1    |
|------------|-------|-------|
| = 02       | G 3/8 | G 3/8 |
| = 03       | 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) |
|------|-------------------------------|------------------------------------|-------------------------------------|
| = 05 | 5-50 (75-725)                 | 11 (160)                           | 50 (725)                            |
| = 10 | 30-100 (435-1450)             | 23 (334)                           | 100 (1450)                          |
| = 20 | 50-210 (725-3000)             | 47 (682)                           | 200 (2900)                          |
| = 35 | 100-350 (1450-5000)           | 82 (1189)                          | 350 (5000)                          |

| Type            | Material number |
|-----------------|-----------------|
| 05211103020500B | R930001429      |
| 05211103021000B | R930001430      |
| 05211103022000B | R930001431      |
| 05211103023500B | R930001432      |
| 05211103030500B | R930001433      |
| 05211103031000B | R930001434      |
| 05211103032000B | R930001435      |
| 05211103033500B | R930001437      |

| Type | Material number |
|------|-----------------|
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