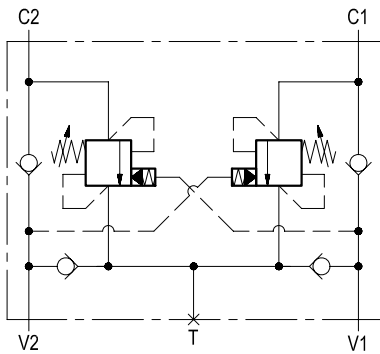


**RE 18308-74/04.10** 1/2  
Replaces: RE 00171/02.07

# Motion control

**VAA-B-SICN-ST-250**

**05.71.44 - X - 05 - Z**



## Description

It provides static and dynamic motion control by regulating flow and pressure IN and OUT of the hydraulic motor at ports C1 and C2. When installed close to the motor, it can stop runaway in case of hose failure. The check sections allow free flow into the motor and prevent reverse movement; the pilot assisted relief valves control the movement when pilot pressure is applied. A system of check valves allows cross line relief; an optional make-up port (T) allows to compensate for any volume change.

## Technical data

### Hydraulic

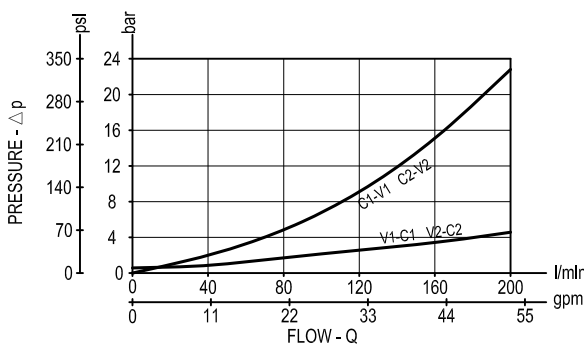
Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	l/min (gpm)	200 (53)
Relief setting: at least 1.3 times the highest expected load.		

### General

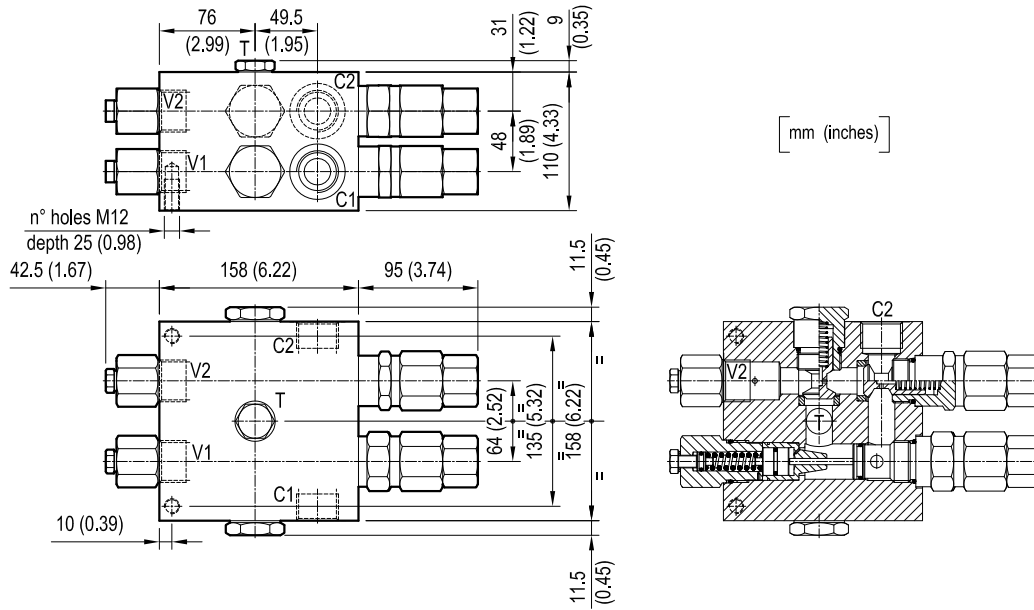
Manifold material	Aluminium	
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.		
Weight	kg (lbs)	10.8 (23.8)
Fluid temperature range	°C (°F)	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

**05.71.44 X 05 Z**

Motion control	
Pilot ratio	
= 03	8:1
= 10	2.8:1

Port sizes	V1-V2	C1-C2	T
	G 1	G 1	G 5/8

	SPRINGS		
	Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min.) bar (psi)
= 35	100-350 (1450-5000)	62 (899)	150 (2200)

Type	Material number
05714403053500A	R930002507
05714410053500A	R930002509

Type	Material number