



C & C HYDRAULICS LTD

CONTROL VALVES — HCVBM22.338A + SQC0.M22

HCVBM22.338A + SQC0.M22 Adjustable Pilot Operated Shut-off Valve

Adjustable pilot operated shut-off valve: an SQC0.M22 externally piloted cartridge in an HCVBM22.338A aluminium manifold with 3/8 BSP ports. Normally open from port 2 to port 3; when pilot pressure at port 1 reaches the spring setting the spool shifts and blocks the flow. Used to control the motor brake in the C & C auto sheeting system.

40 L/min

Max flow

300 bar

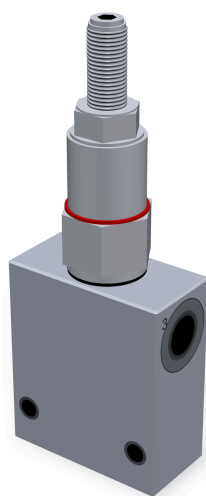
Max operating pressure

15 – 60 bar

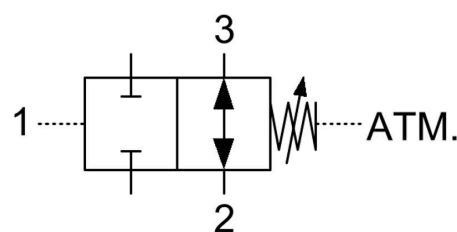
Pilot setting range

3/8 BSP

Ports 1, 2, 3



HYDRAULIC CIRCUIT



Performance

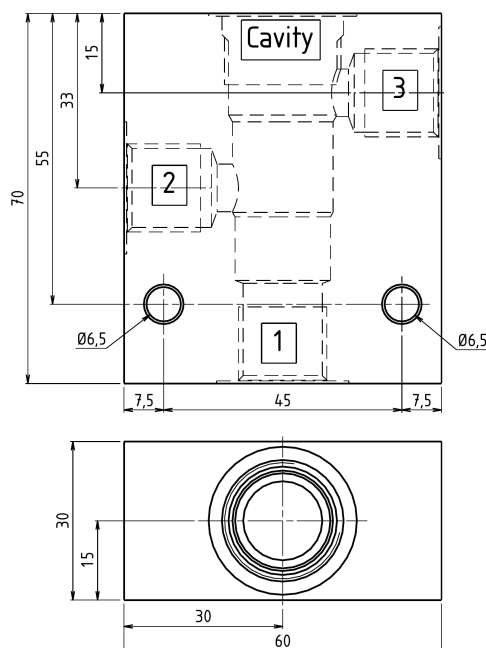
Function	Normally open 2 → 3, closes on pilot at 1
Max operating pressure	300 bar
Max flow	40 L/min
Pilot setting range	15–60 bar (spring Y), 5 bar steps
Max internal leakage	50 cm³/min @ 300 bar, pilot active
Spring chamber	Vented to atmosphere
Oil temperature	–30 to +110 °C
Seals	NBR as standard (HNBR / FKM on request)
Viscosity	7.4–420 cSt
Filtration	ISO 4406 20/18/15
Mounting	No orientation restrictions

Ordering code

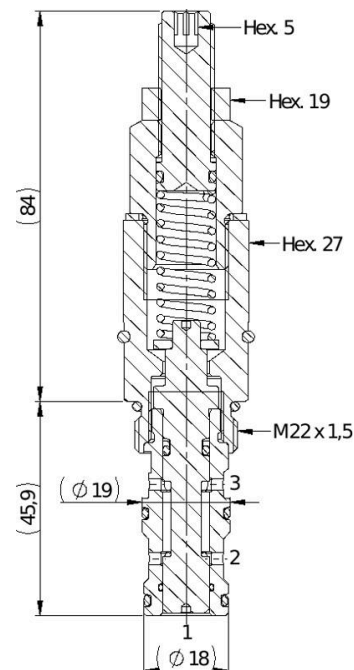
	SQC0	M22	0	Y	***
1	Valve basic code	Sequence / shut-off cartridge, external pilot			SQC0
2	Size	M22×1.5, Ø19 / Ø18 nose			M22
3	Marking	Standard factory marking			0
4	Spring range	15–60 bar			Y
5	Pressure setting	Setting in bar, multiples of 5 (e.g. 040)			***

Dimensions (mm)

HCVBM22.338A MANIFOLD



SOC0.M22 CARTRIDGE



Part No.	Size (mm)	Ports	Mounting	Material / finish	Weight
HCVBM22.338A	60 × 70 × 30	1, 2, 3: 3/8 BSP	2 × Ø6.5 at 45 mm	Aluminium AW-2017, grey anodised	0.265 kg
SQC0.M22	M22×1.5, 84 above face	Cavity VH080	45–50 Nm (hex 27), locknut 13–17 Nm (hex 19)	Steel, Zn/Fe plated	0.327 kg

Part numbers

Item	Part No.	Description	Ports / size	Qty
13	HCVBM22.338A	Manifold, M22×1.5 3-way cavity, aluminium	3/8 BSP	1
14	SQC0.M22	Pilot operated shut-off cartridge, spring 15–60 bar	M22×1.5	1

Note: Items 13 and 14 on C&C drawing *Auto Sheeting System for Agricultural Tractor Trailer*. Seal kit SK.068 (NBR). Zn/Ni plating (720 h) available on request. Manifold manufactured by Hydra Italian Hydraulics; specification as published by the manufacturers.

Features

- Normally open: brake pilot vents through 2 → 3 when the system is idle
- Externally piloted at port 1, so it closes as soon as line A or B is pressurised
- Adjustable spring setting from 15 to 60 bar
- Direct-acting spool design with vented spring chamber, unaffected by back pressure
- Compact grey anodised aluminium manifold with two Ø6.5 mounting holes

Recommendations

- Set the cartridge below the pressure the system can actually generate, or the valve will not shut off and the motor brake will not operate correctly
- Feed the pilot (port 1) from the shuttle valve so either line operates it
- Tighten the cartridge to 45–50 Nm and the adjuster locknut to 13–17 Nm
- Keep oil to ISO 4406 20/18/15