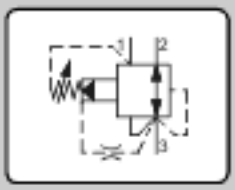
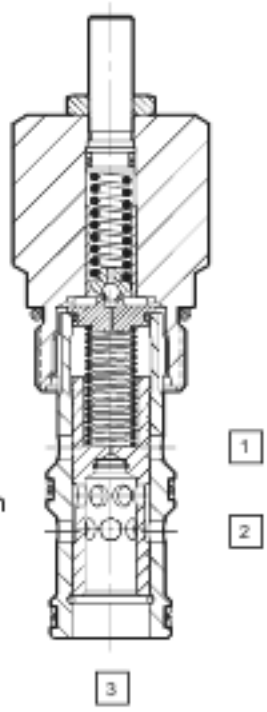


C06B3H UP TO **200** L/MIN **53** USGPM
C06B3M AND **350** BAR **5000** PSI

PRESSURE REGULATING VALVE

PILOT OPERATED, SPOOL TYPE WITH RELIEVING FEATURE.



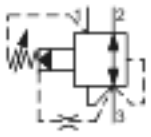
- Maximum pressure setting up to 350 bar *5000 psi*.
- High flow capacity.
- Low pressure rise/flow characteristic.
- Spool valve for good stability.
- Partial reverse flow capability.
- Integral 250 micron pilot flow filter.
- Hardened working parts for maximum durability.
- Adjustable and tamperproof versions available.

OPERATION

The adjustable spring-loaded ball in the pilot section is shifted at valve setting by the regulated outlet pressure sensed through an orifice in the main spool from port [3]. The resulting pilot flow creates a pressure drop across the spring-loaded main spool that then meters the supply flow from port [2], maintaining the regulated pressure on port [3]. An increase in the regulated pressure causes the spool to lift further and acts as a service line relief valve, closing the supply port [2] and then relieving to port [1]. Ports [2] and [3] remain normally open when port [3] pressure is below the valve setting.

Back pressure on port [1] adds to the valve setting.

SPECIFICATIONS

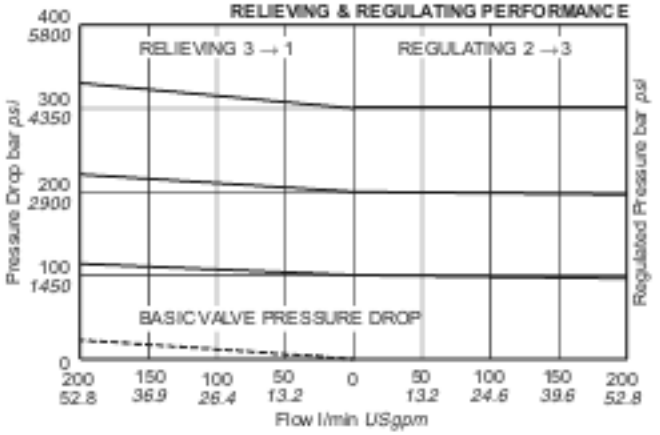
BASIC MODEL NUMBER	C06B3H	C06B3M
SYMBOL		
RATED FLOW	200 l/min *53 USgpm*	
PRESSURE	10 - 210 bar *145 - 3000 psi*	10 - 350 bar *145 - 5000 psi*
MAX. INLET PRESSURE	420 bar *6000 psi*	
SENSITIVITY: PRESSURE/TURN	30 bar *435 psi*	55 bar *800 psi*
FLUID *	MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES	
IDEAL VISCOSITY *	15 - 50 cSt *80 - 230 SSU*	
SEAL MATERIAL / TEMPERATURE *	NITRILE (Std.) -30°C to +100°C *BUNA-N* -20°F to +210°F VITON -20°C to +150°C -4°F to +330°F	
FILTRATION *	25 MICRONS (Nom.) OR BETTER	
WEIGHT	0.63 kg *1.39 lb*	
CAVITY	CAV05-3	

* **IMPORTANT:** See pages ***582-583*** for additional notes on operating conditions.

Specifications may change without notice

TYPICAL PERFORMANCE

Measured at 30 cSt *140 SSU* (For cartridge only)



APPLICATION NOTE

- Drain line should be piped directly to tank. Any back pressure in the drain line will be additive to the regulated pressure.