**GS06 02****GS06 04****GS06 06****GS06 08**

UP TO **285** L/MIN **75** USGPM
AND **350** BAR **5000** PSI



POPPET TYPE

2 Position 2 Way

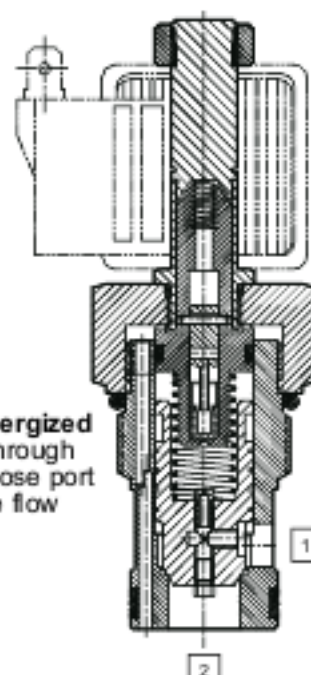
Normally Closed

Side-In, Nose-Out Operation

- High flow capacity with reduced space requirements.
- One piece cartridge housing ensures internal concentricity.
- Coil: Waterproof, hermetically sealed, requires no O-Rings; Interchangeable with 02 and 04 series poppet valves; Symmetrical coil can be reversed without affecting performance.

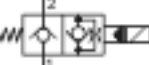
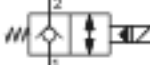
OPERATION

De-energized the spring behind the armature holds the pilot against its seat. Side port pressure acts behind the poppet holding it firmly closed. Nose pressure, lifts the poppet, allowing free flow. **Energized** the armature pulls the pilot off its seat. Side port pressure creates pilot flow through the poppet and pilot stage causing a pressure imbalance lifting the poppet. Nose port pressure seats the poppet, but allows restricted flow (without the free reverse flow feature).



PATENT
#5,002,253

SPECIFICATIONS

BASIC MODEL NUMBER	RESTRICTED REVERSE FLOW		FREE REVERSE FLOW	
	STANDARD GS06 02	HIGH PRESSURE GS06 04	STANDARD GS06 06	HIGH PRESSURE GS06 08
SYMBOL				
NOMINAL FLOW AT Δp = 5 bar 70 psi	190 l/min 50 USgpm			
PRESSURE	210 bar 3000 psi	350 bar 5000 psi	210 bar 3000 psi	350 bar 5000 psi
MIN Δp TO LIFT POPPET	3 bar 40 psi			
FUNCTION	FREE FLOW 1→2 AND RESTRICTED FLOW 2→1 WHEN SOLENOID IS ENERGIZED		FREE FLOW IN BOTH DIRECTIONS WHEN SOLENOID IS ENERGIZED	
RESPONSE TIME AT NOM. FLOW & PRESS.	40 m. sec. 50 to 280 m. sec.			
MAX INTERNAL LEAK AT 210 bar 3000 psi at 38 cSt 180 SSU	0.5 ml/min 8 drops/min			
SERIES CC COIL WATTS (100% DUTY CYCLE)	14w (‘S’ Coil)	19w (‘P’ Coil)	14w (‘S’ Coil)	19w (‘P’ Coil)
MIN AMPERAGE TO OPERATE VALVE AT MAX RATED PRESSURE & FLOW	75% OF NOMINAL AMPERAGE, DETAILS: COIL DATA SHEET page 204			
INSTALLATION	UNRESTRICTED			
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 -20°F to +210°F BUNA-N VITON -20°C to +150°C -4°F to +330°F			
FILTRATION *	25 MICRONS (Nom.) OR BETTER			
CART. WEIGHT	0.4 kg 0.88 lb			
COIL WEIGHT	0.20 kg 0.44 lb			

* 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)

