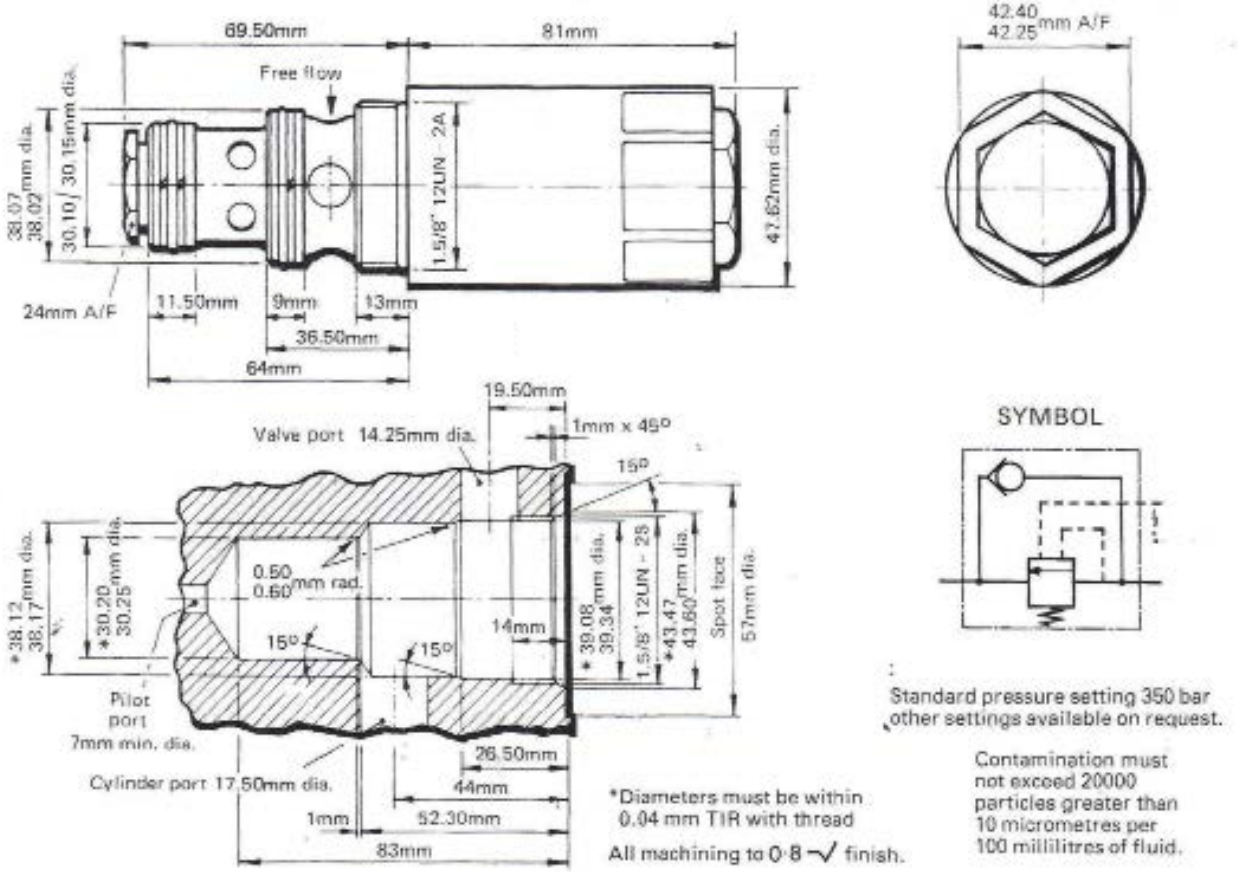
COUNTERBALANCE CARTRIDGE

Counterbalance valves with pilot assist are meant to control an overrunning load. Normally used in conjunction with a 3 position directional control valve, the counterbalance valve allows free flow in one direction but prevents return flow until pilot pressure is admitted. The external force is sustained until the pilot pressure moves the spring loaded valve spool and allows metered flow back to the tank. A second function provides a shock absorbing overload relief. Excellent metering characteristics are provided by the tapering spool and, when seated, leakage does not exceed 10cc/min at 315 bar.



- *Working pressure up to 350 bar*
- *Check valve cracking pressure 0.35 bar*
- *10:1 pilot piston to check valve ratio*
- *Flow up to 227 l/min*
- *Zinc plated body with hardened Steel components*

FLOW L/MIN	CRACKING PRESSURE	PILOT PISTON TO CHECK VALVE RATIO	PART NUMBER
UP TO 227	0.35 BAR	10:1	HSP302-5000
REPLACEMENT SEAL KIT FOR HSP302-5000			SK302-N



Please specify code number from the table. Standard seals are Nitrile. For Viton seals add –V, for EPDM seals add –EP to the end of the code.