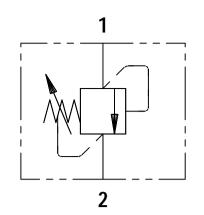
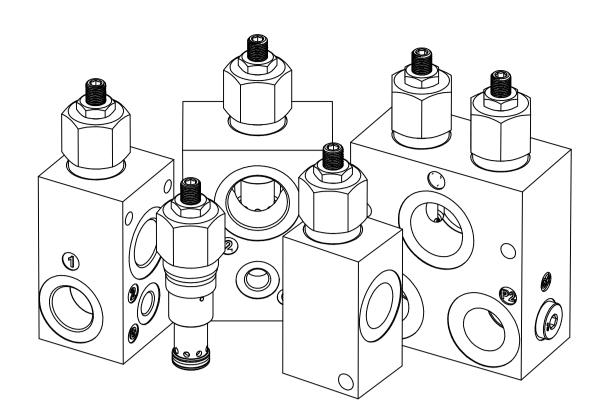
FLUID POWER SYMBOL





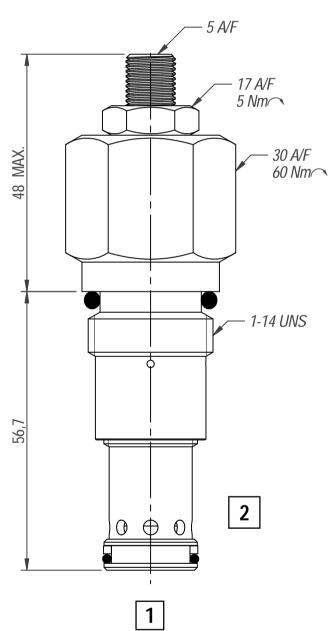
APPLICATION OPERATION FEATURES

holding applications. The valve is ideal for continuous relief flow to Port 2 (Tank) duty providing accurate pressure control with constant or varying flows.

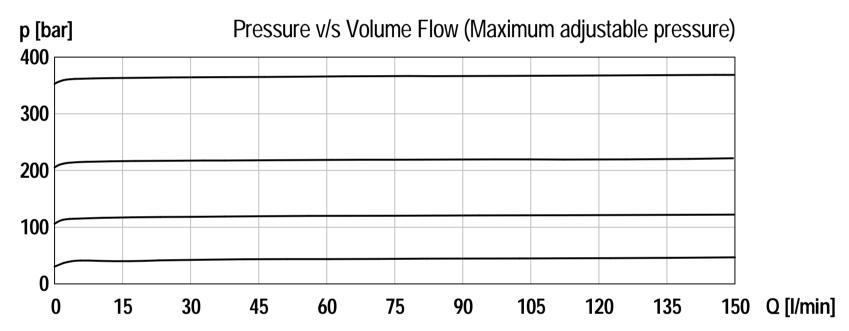
piston assembly of the valve implies that the valve is drop moves the secondary spool against a light spring construction gives maximum flexibility in mounting not a zero-leak valve and cannot be used for load opening a ring of radial holes in the sleeve and allowing

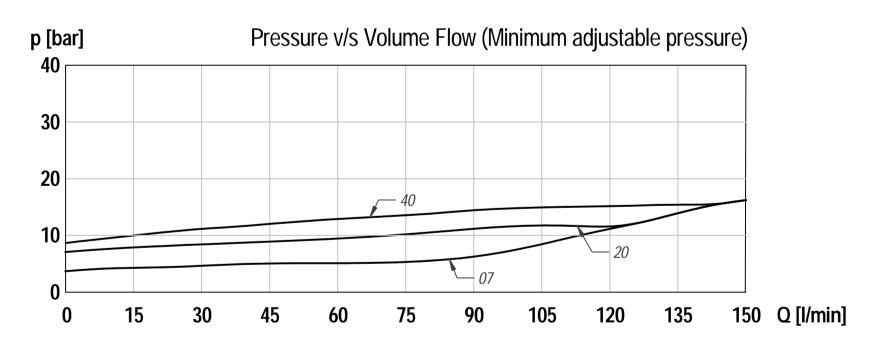
Pressure Relief valves are used to limit the pressure in When the inlet pressure at Port 1 (Pressure) exceeds Very low pressure rise for any increase in flow giving the system as set on the valve. Pilot Operated Relief the setting of the valve, the ball unseats causing the accurate pressure control. Smooth operation due to Valves are applicable more in systems where pressure pilot section to open. This results in a small flow across presence of a balanced piston. Hardened working parts regulation is needed over pressure safety. The barrel- the orifice in the main spool. The subsequent pressure ensure a long, reliable, trouble-free life. Cartridge

DIMENSIONS



CHARACTERISTICS. Figures Based on: Oil Temp = 40'C, Viscosity = 40 cSt





General Specifications

Description Construction Mounting

Installation Position Tightening Torque Ambient Temp. Cartridge Material

Manifold Material Cavity Number Weight

pilot operated relief valve

Screw-in Cartridge Construction for Cavity 1" x 14UNS screw thread for cartridge

Threaded ports for housings.

any 60 Nm -20°C to +50°C

Working parts: Hardened, ground steel

External surfaces: Zinc plated Aluminium or SG Iron

TH881 (Refer Cavities Section) AR 150 Cartridge: 0.30 kg

AR 150 * 6W **: $0.76 \, \text{kg}$ AR 150 * 8W **: 1.05 kg AR 151 * 6W **: 1.00 kg AR2 150 * 6W **: 1.80 kg

Hydraulic Specifications

Hydraulic Fluid Mineral oils. Contact sales office for other fluids.

Max. Pressure 400 bar **Rated Flow** 150 lpm

Max. Contamination Level BS5540/4 Class 18/16/13 (25µ nominal)

Viscosity Range 5 to 500 cSt

Leakage Flow Less than 0.3 ml/min (5 dpm) Hydraulic Fluid Temp. -20°C to +90°C (Standard Seals)

Mounting Line/Subplate 400 bar Peak Pressure 180 lpm Max. Flow

SKAR150 (Nitrile) Seal Kit Number

Pilot Operated Relief Valve

years in CARTRIDGE VALVES

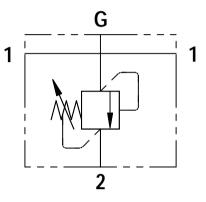
ORDERING CODE

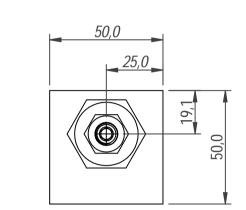


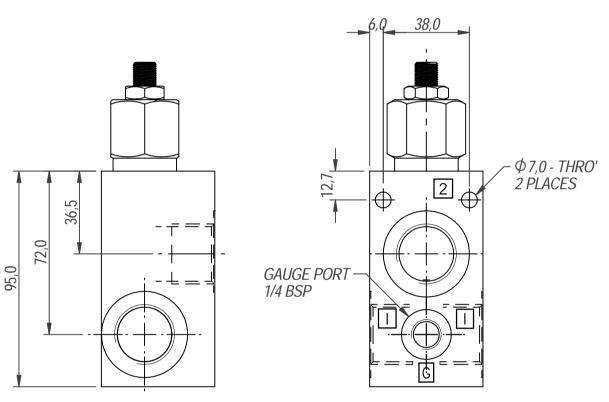
DIMENSIONS

BASIC CODE: AR150 * 6W ** N
ONLY Body Part Numbers
Aluminium SG Iron

Aluminium SG Iron 3/4" BSPP - Z10353AL 3/4" BSPP - Z10353



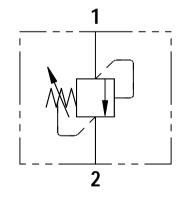


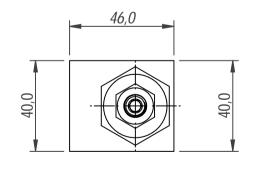


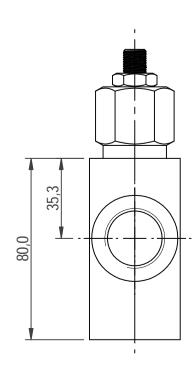
DIMENSIONS

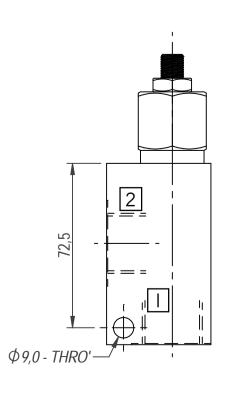
BASIC CODE: AR151 * 6W ** N

ONLY Body Part Numbers
Aluminium SG Iron
3/4" BSPP - Z10223



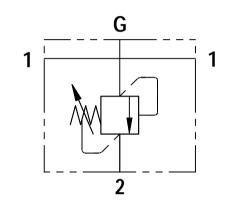


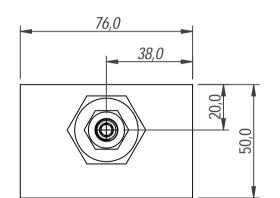


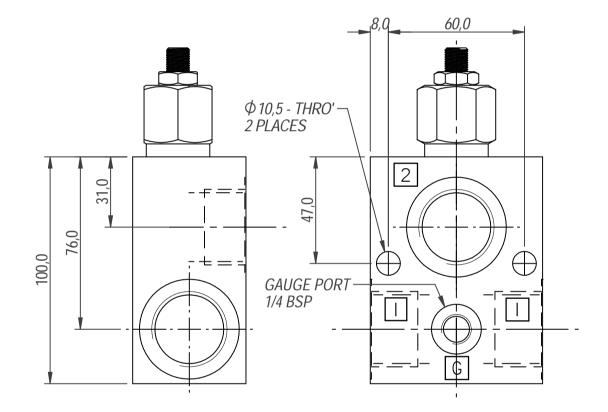


DIMENSIONS

BASIC CODE: AR150 * 8W ** N
ONLY Body Part Numbers
Aluminium SG Iron
1" BSPP - Z10385AL 1" BSPP - Z10385







DIMENSIONS

BASIC CODE: AR2 150 * 6W ** N

ONLY Body Part Numbers

Aluminium SG Iron

3/4" BSPP - Z10489 3/4" BSPP - Z10489S

