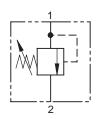
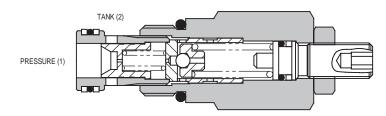


PILOT OPERATED (ISO CAVITY NUMBER: 7789-20-1-0-90)

1AR60

SLIDING SPOOL TYPE





APPLICATION

To limit pressure in a system. Good for continuous duty and accurate pressure control with constant or varying flows.

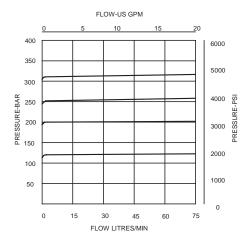
FEATURES

High accuracy of pilot operated design. Hardened working parts give long, reliable, trouble-free life. Cartridge construction for installation into your own manifold.

OPERATION

When the inlet pressure exceeds the setting of the valve, the pilot section opens, causing a small flow across the orifice in the main spool. The subsequent pressure drop moves the spool against a light spring opening a ring of radial holes in the sleeve, allowing relief flow to tank.

PRESSURE DROP



SPECIFICATIONS

Figures based on: Oil Temp = 40°C Viscosity = 40 cSt

Rated Flow	60 litres/min (16 US GPM)
Max Setting	350 bar (5000 psi)
Cartridge Material	Working parts hardened and ground steel. External surfaces zinc plated
Body Material	Standard aluminium (up to 210 bar*) Add Suffix '377' for steel option
Mounting Position	Unrestricted
Cavity Number	CVA20-01-0 (See Section 17)
Torque Cartridge into Cavity	45 Nm (33 lbs ft)
Weight	1AR60 0.18 kg (0.4 lbs) 1AR65 0.36 kg (0.8 lbs) 1AR66 0.48 kg (1.0 lbs)
Seal Kit Number	SK613 (Nitrile) SK613V (Viton)
Recommended Filtration Level	BS5540/4 Class 18/13 (25 micron nominal)
Operation Temp	-20°C to +90°C (Standard seals)
Leakage	35 millilitres/min nominal
Nominal Viscosity Range	5 to 500 cSt

*For applications above 210 bar please consult our technical department or use the steel body option.

Integrated Hydraulics Ltd

Collins Road, Heathcote Ind. Est., Warwick, CV34 6TF, UK. Tel: +44 (0) 1926 881171 Fax: +44 (0) 1926 315729

Website: www.integratedhydraulics.com

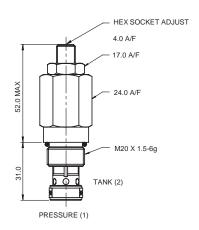
Integrated Hydraulics Inc

7047 Spinach Drive, Mentor, Ohio 44060, USA Tel: (440) 974 3171 Fax: (440) 974 3170 Website: www.integratedhydraulics.com



CARTRIDGE ONLY

BASIC CODE: 1AR60

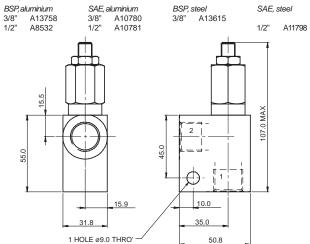


COMPLETE VALVE

3/8" 1/2" PORTS

BASIC CODE: 1AR65

Body ONLY part numbers



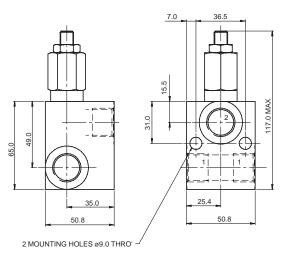
COMPLETE VALVE

1/2" PORTS

BASIC CODE: 1AR66

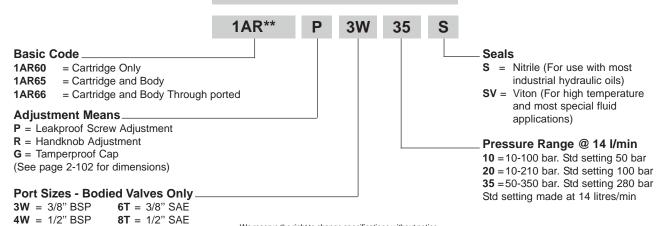
Body ONLY part numbers

BSP, aluminium 1/2" B13011 SAE, aluminium 1/2" B10783 BSP, steel 1/2" B13473 SAE, steel 1/2" B13477



Where measurements are critical request certified drawings

ORDERING CODE EXAMPLE



We reserve the right to change specifications without notice