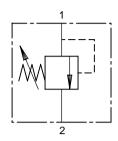
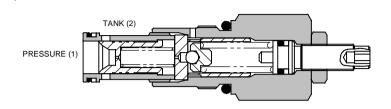
SLIDING SPOOL TYPE





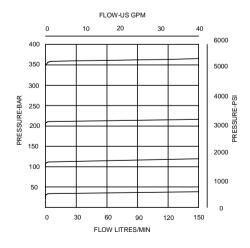
APPLICATION

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

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



FEATURES

Very low pressure rise for any increase in flow giving accurate pressure control. Hardened working parts give long, reliable, trouble-free life. Cartridge construction giving maximum flexiblity in mounting.

SPECIFICATIONS

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

150 litres/min (40 US GPM)		
1AR100 400 bar (5800 psi)		
Working parts hardened and ground steel. External surfaces zinc plated		
Standard aluminium (up to 210 bar*) Add Suffix '377' for steel option		
Unrestricted		
A881 (See Section 17) 60 Nm (44 lbs ft)		
		1AR100 0.14 kg (0.3 lbs) 1AR150 0.65 kg (1.4 lbs) 1AR155 0.91 kg (2.0 lbs)
SK164 (Nitrile) SK164V (Viton)		
BS5540/4 Class 18/13 (25 micron nominal)		
-20°C to +90°C (Standard seals)		
20 to 65 millilitres/min nominal		
5 to 500 cSt		

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

Integrated Hydraulics Ltd

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Website: www.integratedhydraulics.com

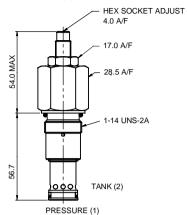
Integrated Hydraulics Inc

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



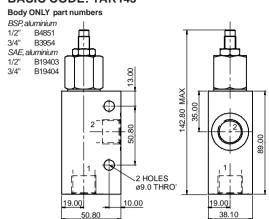
CARTRIDGE ONLY

BASIC CODE: 1AR100



COMPLETE VALVE 1/2" 3/4" PORTS

BASIC CODE: 1AR145



COMPLETE VALVE

3/8" 1/2" 3/4" PORTS

SAF steel

RSP steel

50.8

COMPLETE VALVE

1" PORTS

BASIC CODE: 1AR150

Body ONLY part numbers RSP aluminium SAF aluminium

8W = 1"BSP

16T = 1" SAE

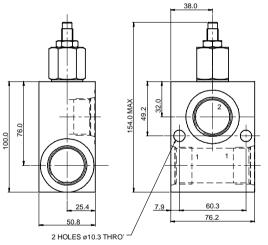
	04004		DAOZOA	D3F, 3	SICCI	SAL,	SICCI
3/8"	C1084	3/8"	B10784				
1/2"	C1044	1/2"	C7140	1/2"	C593		
3/4"	C1086	3/4"	B10506	3/4"	C4917	3/4"	B10742
92.0	2 HOLES Ø8	7 THRO-	35.0	25	5.4	145.4 MAX	

BASIC CODE: 1AR155

Body ONLY part numbers

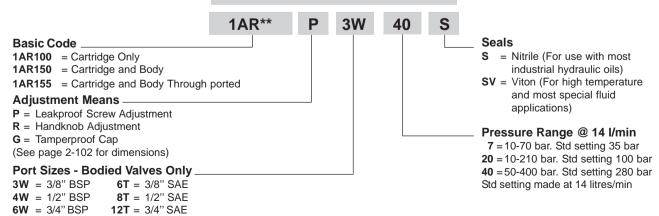
BSP, aluminium	SAE, aluminium		
1" B1617	1" B1037		

BSP, steel 1" B4596 SAE, steel 1" B24040



Where measurements are critical request certified drawings

ORDERING CODE EXAMPLE



We reserve the right to change specifications without notice