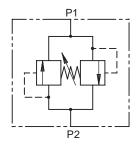
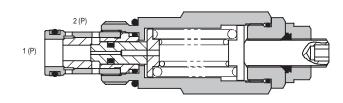


### DIRECT ACTING DIFFERENTIAL AREA

# **1CLLR50**

#### **POPPET TYPE**





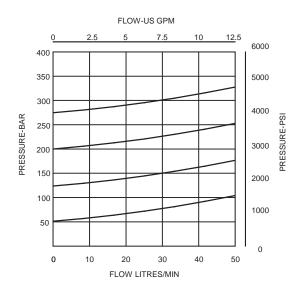
# **APPLICATION**

To protect both lines in a circuit from over pressurisation by relieving oil to the other line. Ideal for use with motors or directional valves as a safety relief. Differential area, fast acting, poppet valve.

### **OPERATION**

Pressure acts over one of two differential areas forcing the poppet back allowing relief flow to the other port. This being a single cartridge is ideal for mounting on to the motor in a special housing.

# PRESSURE DROP



# **FEATURES**

Single cartridge relieving in both directions cutting down space requirements, giving full adjustment through its range on both pressures at the same time.

## **SPECIFICATIONS**

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

Rated Flow	50 litres/min (12 US GPM)
Max Setting	350 bar (5000 psi)
Cartridge Material	Working parts hardened and ground steel. External steel surfaces zinc plate.
Body Material	Standard aluminium (up to 210 bar*) Add Suffix '377' for steel option
Mounting Position	Unrestricted
Cavity Number	A12370 (See Section 17)
Torque Cartridge into Cavity	30 Nm (22 lbs ft)
Weight	1CLLR50 0.23 kg (0.5 lbs) 1CLLR55 0.8 kg (1.8 lbs)
Seal Kit Number	SK1028 (Nitrile) SK1028V (Viton)
Recommended Filtration Level	BS5540/4 Class 18/13 (25 micron nominal)
Operating Temp	-20°C to +90°C
Leakage	5 millilitres/min
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**

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Website: www.integratedhydraulics.com

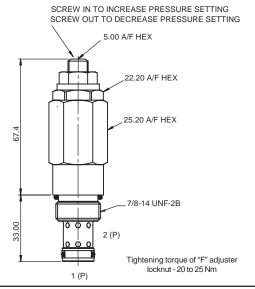
### **Integrated Hydraulics Inc**

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



# **CARTRIDGE ONLY**

**BASIC CODE: 1CLLR50** 



**COMPLETE VALVE** 3/8" 1/2" PORTS

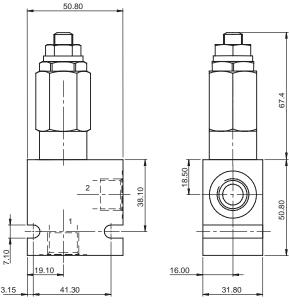
#### **BASIC CODE: 1CLLR55**

Body ONLY part numbers

 BSP, aluminium
 SAE, aluminium
 SAE, steel

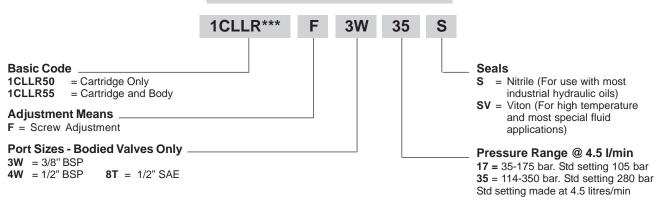
 3/8"
 B19053

 1/2"
 B19356
 1/2"
 B19402
 1/2"
 B20601



Where measurements are critical request certified drawings

# **ORDERING CODE EXAMPLE**



We reserve the right to change specifications without notice