

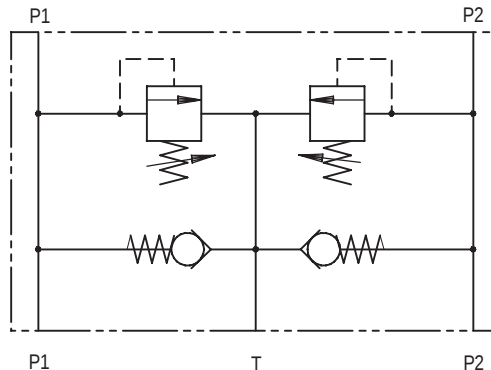


1DDRC SERIES DUAL RELIEF VALVE

WITH MAKE UP CHECKS - DIRECT ACTING

1DDRC35

POPPET TYPE



3

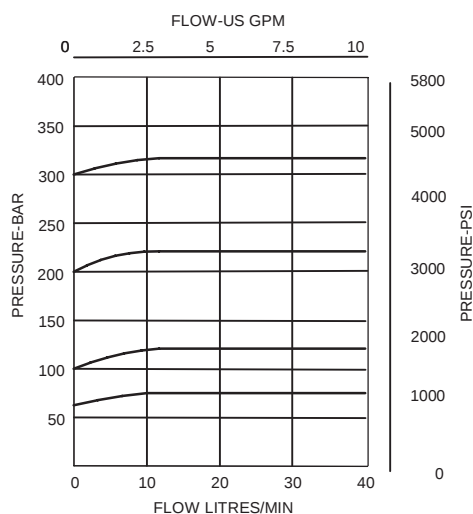
APPLICATION

This is a dual relief with make up checks. Ideal for use to protect a system where relief volumes are different such as in a single rod cylinder or where leakage may cause cavitation as in the case of motors with a case drain. It can also be used to protect directional valves when they have a closed centre condition.

OPERATION

The valve functions as a cross line relief passing oil from one line to the other but with an extra tank port which allows make up flow or extra exhaust flow to take place.

PRESSURE DROP



FEATURES

Soft start and stop with fast acting operation to give maximum protection to expensive actuators. Reduces plumbing to a minimum and cartridge construction makes for easy maintenance.

SPECIFICATIONS

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

Rated Flow	30 litres/min (8 US GPM)
Max Setting	400 bar (5800 psi)
Cartridge Material	Working parts hardened and ground steel. External steel surfaces zinc plated
Body Material	Standard aluminium (up to 210 bar*) Add Suffix '377' for steel option
Mounting Position	Unrestricted
Weight	1.32 kg (2.904 lbs)
Seal Kit Number	SK615 (Nitrile) SK615V (Viton)
Recommended Filtration Level	BS5540/4 Class 18/13 (25 micron nominal)
Operating Temp	-20°C to +90°C
Leakage	0.3 millilitres/min max (5 dpm)
Nominal Viscosity Range	5 to 500 cSt

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

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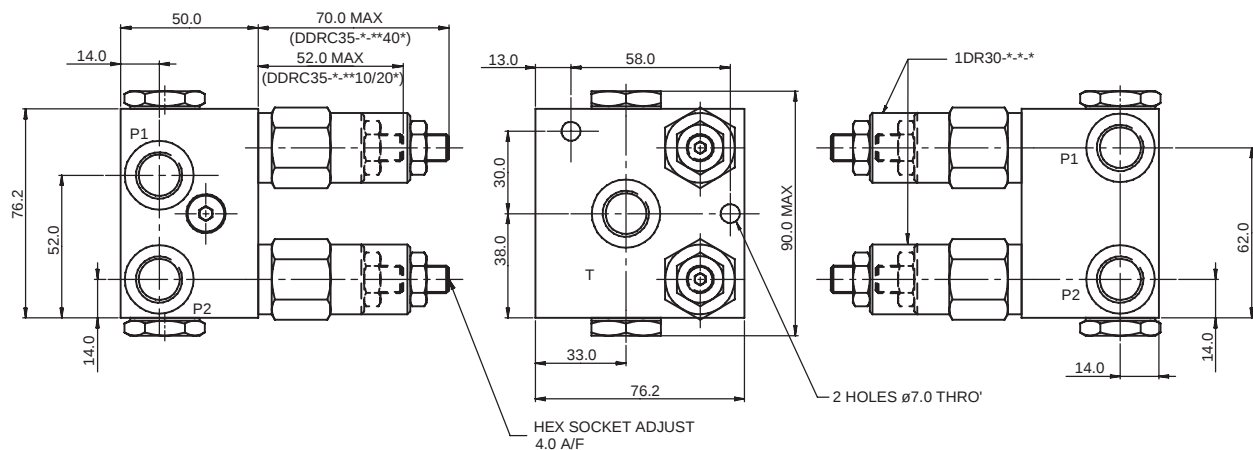
Website: www.integratedhydraulics.com

COMPLETE VALVE 3/8" PORTS

BASIC CODE: 1DDRC35

Sub-assembly part numbers

BSP, aluminium	SAE, aluminium	BSP, steel	SAE, steel
3/8" BXP21096-3W-S	3/8" BXP21096-6T-S	3/8" BXP21096-3W-S-377	3/8" BXP21096-6T-S-377



Where measurements are critical request certified drawings

ORDERING CODE EXAMPLE

1DDRC35 P 3W 40 S

Basic Code

1DDRC35 = Cartridges and Body

Adjustment Means

P = Leakproof Screw Adjustment
R = Handknob Adjustment
G = Tamperproof Cap

Port Sizes - Bodied Valves Only

3W = 3/8" BSP **6T** = 3/8" SAE

Seals

S = Nitrile (For use with most industrial hydraulic oils)
SV = Viton (For high temperature and most special fluid applications)

Pressure Range @ 4.8 l/min

10 = 7-100 bar. Std setting 70 bar
20 = 35-210 bar. Std setting 100 bar
40 = 50-400 bar. Std setting 280 bar
Std setting made at 4.8 litres/min

We reserve the right to change specifications without notice