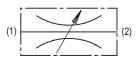
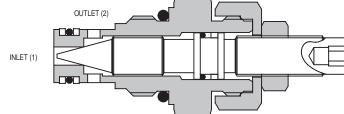
2CN SERIES NEEDLE VALVE



FINE ADJUSTMENT - POSITIVE SHUT OFF

2CN20





APPLICATION

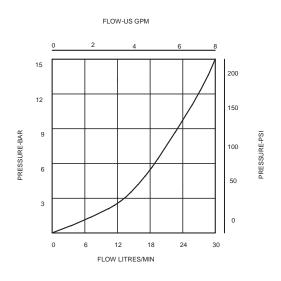
The cartridge needle valves can be set and locked to restrict flow in both directions. A typical use is the speed control of cylinders or other actuators. (For pressure compensated flow control valves see Section 9). The fine adjustment and complete shut-off allow the valves to be used for snubbing pressure gauges and for use as shut-off valves.

OPERATION

8

Rotation of the adjustment screw varies the valve opening to give a flow path approximately proportional to the turns of the screw.

PRESSURE DROP



FEATURES

All steel construction with hardened and ground adjustment needle. Cartridge construction for versatility in applications. Sealed adjuster for leak-free adjustment.

SPECIFICATIONS

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

| Rated Flow | 20 litres/min (5 US GPM) |
|---------------------------------|---|
| Max Pressure | 350 bar (5000 psi) |
| Cartridge Material | External parts zinc plated |
| Body Material | Standard aluminium (up to 210 bar*) Add suffix '377' for steel option. |
| Mounting Position | Unrestricted |
| Cavity Number | A879 (See Section 17) |
| Torque Cartridge into Cavity | 30 Nm (22 lbs ft) |
| Weight | 2CN20 0.12 kg (0.26 lbs) 2CN25 0.40 kg (0.87 lbs) |
| Seal Kit Number | SK446 (Nitrile) SK446V (Viton) |
| Recommended Filtration Level | BS5540/4 Class 18/13 (25 micron nominal) |
| Operating Temp | -20°C to +90°C |
| Leakage | 0.3 millilitres/min nominal (closed) |
| 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

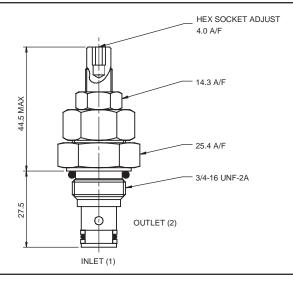
Integrated Hydraulics Inc

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



CARTRIDGE ONLY

BASIC CODE: 2CN20

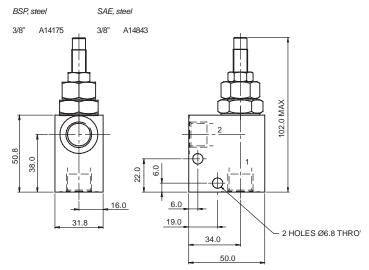


COMPLETE VALVE 1/4" 3/8" PORTS

BASIC CODE: 2CN25

Body ONLY part numbers

BSP, aluminium SAE, aluminium 1/4" A1485 3/8" A1043 3/8" A15676



Where measurements are critical request certified drawings

ORDERING CODE EXAMPLE

