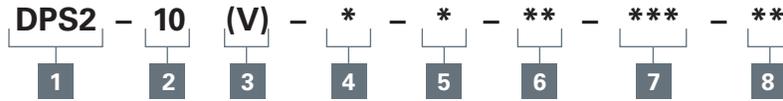


# DPS2-10 - Logic element

Differential pressure sense valves  
60 L/min (15 USgpm) • 290, 350 bar (4200, 5000 psi)

## Model code



### 1 Function

**DPS2** - Differential pressure sensing

### 2 Size

10 - 10 size

### 3 Seal material

**Blank** - Buna-N  
**V** - Viton®

### 4 Function

**B** - Poppet, vent to open, N/C  
**S** - Poppet, vent to open, N/C  
**T** - Poppet, bi-directional, pilot to close, 2:1 ratio, N/C

**P** - Spool, N/C (L/S element)

**V** - Spool, N/C

**R** - Spool, pressure reducing, N/O

**F** - Spool, flow control, N/O (hydrostat)

### 5 Adjustment

**F** - None

**P** - Stroke adjustments

"S" adjustment is not available with F and R functions.

### 6 Port size

**0** - Cartridge only

### 7 Differential pressure

**Note:** Code based on pressure in psi  
**005** - 0,35 bar (5 psi)+ \*

**010** - 0,7 bar (10 psi)+ \*

**020** - 1,40 bar (20 psi)+ \*

**040** - 2,80 bar (40 psi)

**080** - 5,50 bar (80 psi)

**160** - 11,0 bar (160 psi)

+ Not available with the "B", "S" and "T" poppet.

\* The operating back pressure at port 3 should never be less than 1.3 times the spring set pressure.

Code	Port size	Housing number
		Aluminium
3B	3/8" BSPP	02-175470*
6T	SAE 6	566413
6H	SAE 6	876706
8H	SAE 8	876712
2G	1/4" BSPP	876707
3G	3/8" BSPP	876710

\* Light duty housing  
See section J for housing details.

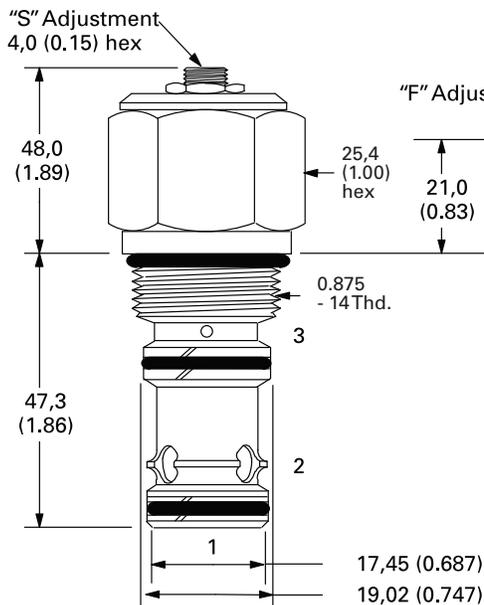
### 8 Special features

**00** - No special features

## Dimensions

mm (inch)

### Cartridge only

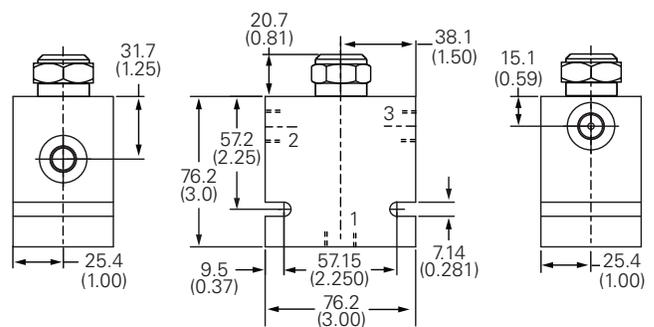


Torque cartridge in housing

**A** - 47-54 Nm (35-40 ft lbs)

**S** - 68-75 Nm (50-55 ft lbs)

## Installation drawing



### Warning

Aluminum housings can be used for pressures up to 210 bar (3000 psi). Steel housings **must** be used for operating pressures **above** 210 bar (3000 psi).

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.