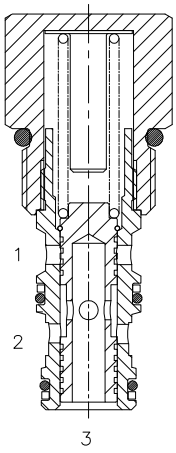
## DF-CP2 PRESSURE COMPENSATING/REDUCING VALVE




### DESCRIPTION

10 size, 7/8-14 thread, “Delta” series, 2 ways pressure compensating/reducing valve.

### OPERATION

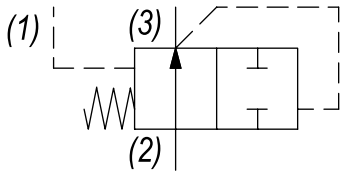
The DF-CP2 allows pressure compensated flow from (2) to (3) regulated by the pressure present at (1). Pressure differential between (3) and (1) is fixed at 8/14/18 bar (according to the pressure settings). These are minimum values, increasing with the flow because of the pressure drop through the valve (see graph).When used with (1) connected to a drain line, it works as pressure reducing valve.

### FEATURES

- Hardened parts for long life.
- Industry common cavity.
- Spring range 8 to 18 bar.

*Pressure compensator for 2 way flow control, typically used with an external orifice inline with port (3). Port (1) should sense upstream pressure of orifice.*

### HYDRAULIC SYMBOL




### PERFORMANCE

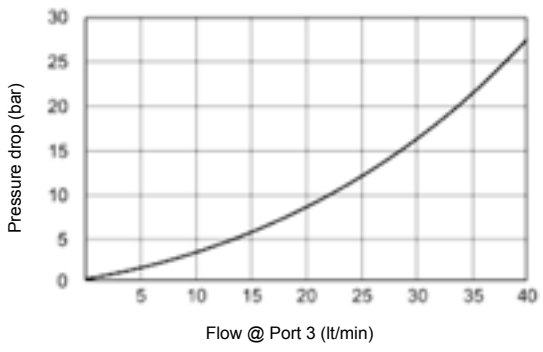
Actual Test Data (Cartridge Only)

### VALVE SPECIFICATIONS

| | |
|---|---|
| Nominal Flow | 8 GPM (30 LPM) |
| Rated Operating Pressure | 3500 PSI (241 bar) |
| Typical Internal Leakage (150 SSU) | 35 ml/min @ 250 bar |
| Viscosity Range | 36 to 3000 SSU (3 to 647 cSt) |
| Filtration | ISO 18/16/13 |
| Media Operating Temp. Range | -25° to +95°C |
| Weight | .35 lbs (.16 kg) |
| Operating Fluid Media | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements | 33 ft-lbs (45 Nm) |
| Cavity | DELTA 3W |
| Cavity Tools Kit (form tool, reamer, tap) | 40500001 |
| Seal Kit | 210902025 |

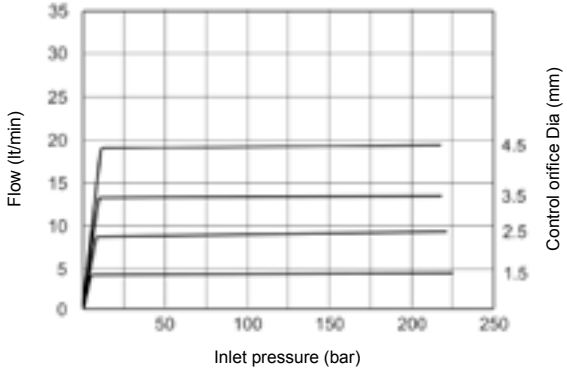
**Pressure Drop (bar) vs. Flow (lt/min)**

*For various pressure compensator settings (bar)*




**DF-CP2 008 - Flow (lt/min) vs. inlet pressure (bar)**

*For various orifice diameters (mm)*





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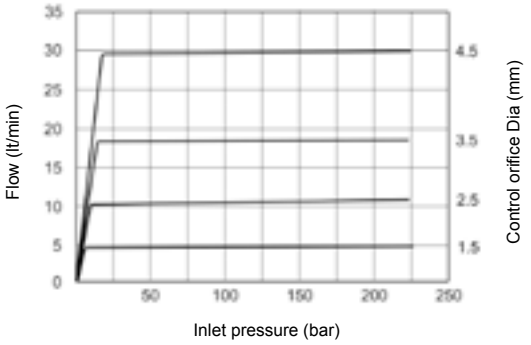
## DIMENSIONS

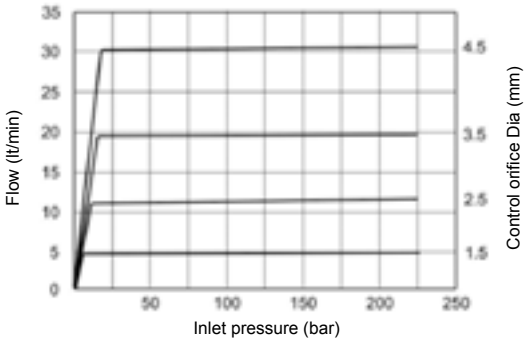
**DF-CP2 014 - Flow (lt/min) vs. inlet pressure (bar)**

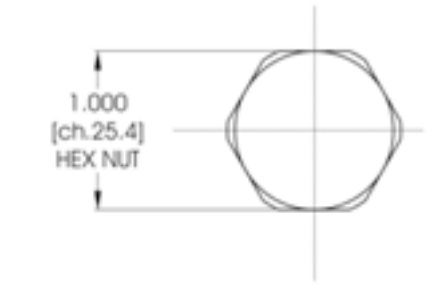
*For various orifice diameters (mm)*

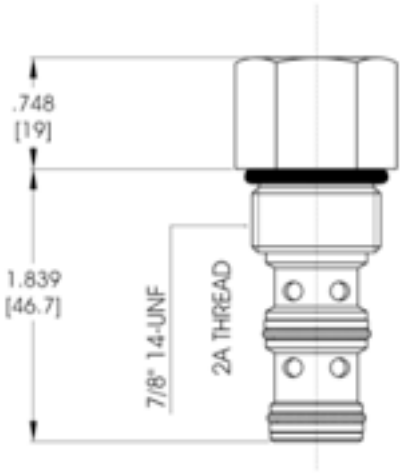



**DF-CP2 018 - Flow (lt/min) vs. inlet pressure (bar)**

*For various orifice diameters (mm)*




*(for bodies style and sizes see section "Accessories")*

## ORDERING INFORMATION

**DF-CP2 – ____ – ____ – ____**

**OPTIONS**

| | |
|---|---|
| Buna Standard | **00** |
| Viton Standard | **V0** |

**PRESSURE SETTINGS**

| | |
|---|---|
| **008** | 8 bar (115 PSI) |
| **014** | 14 bar (200 PSI) |
| **018** | 18 bar (260 PSI) |

Differential Pressure Across
External Controlling Orifice

**BODIES**

| | |
|---|---|
| **Blank** | Without Body |
| **N** | 3/8" BSP Ports |
| **S** | #6 SAE Ports |





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