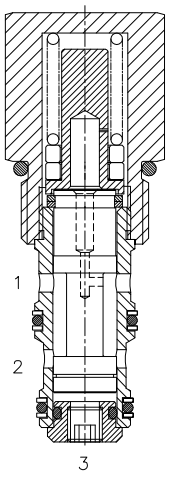
DF-TCS PRESSURE COMPENSATING VALVE, RESTRICTIVE TYPE



DESCRIPTION

10 size, 7/8-14 thread, “Delta” series, pressure compensating valve, restrictive type.

OPERATION

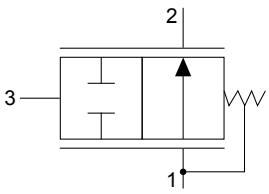
The DF-TCS allows pressure compensated flow from (1) to (2) regulated the pressure present at (3). Pressure differential between (1) and (3) is fixed at 8/24 bar (according to the pressure settings). These are minimum values increasing with the flow because of the pressure drop through the valve (see graph).

FEATURES

- Hardened parts for long life.
- Industry common cavity.

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

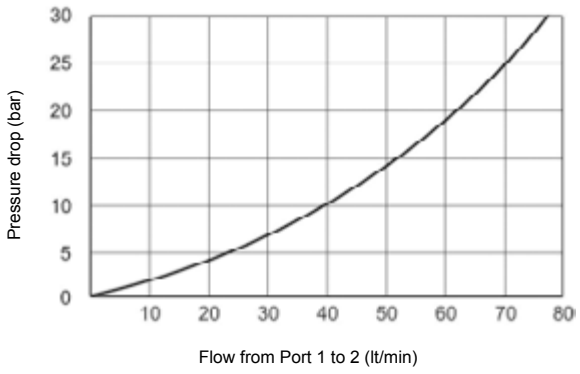
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS

Nominal Flow	10 GPM (38 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	-40° to 250°F (-40° to 120°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	210902026

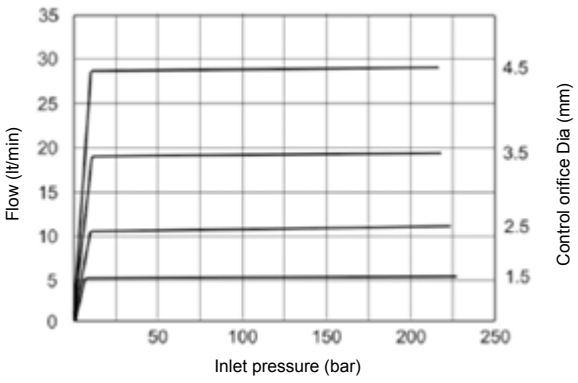
Pressure Drop (bar) vs. Flow (lt/min)

For various pressure compensator settings (bar)



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

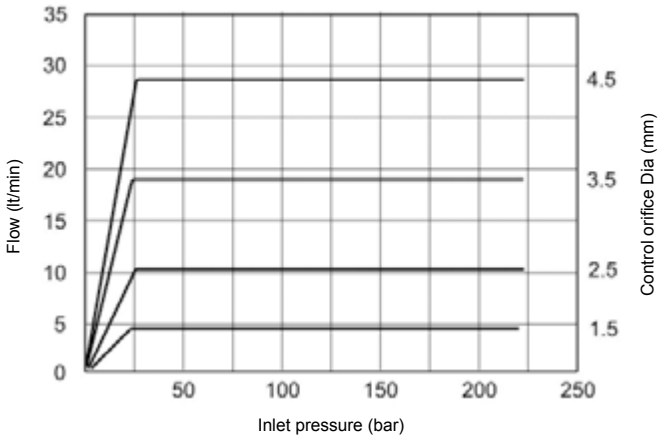
For various orifice diameters (mm)

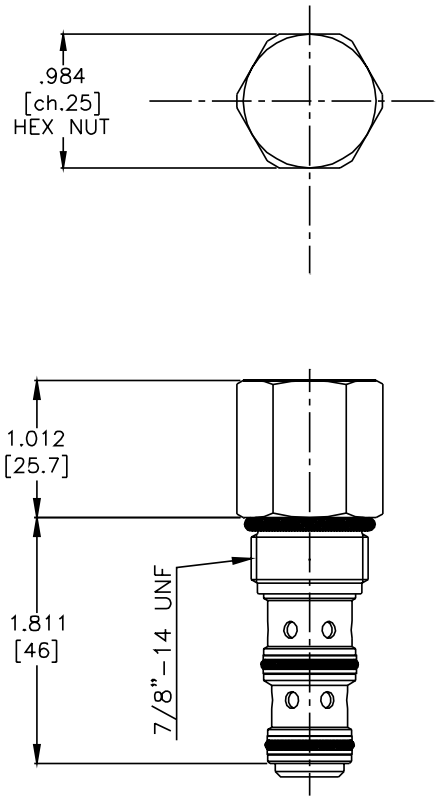


DIMENSIONS

DF-TCS 024 - Flow (lt/min) vs. inlet pressure (bar)

For various orifice diameters (mm)





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

ORDERING INFORMATION

DF-TCS – ____ – ____ – ____

OPTIONS

Buna Standard **00**
Viton Standard **V0**

PRESSURE SETTINGS

008 8 bar (115 PSI)
024 24 bar (340 PSI)

Differential Pressure Across
External Controlling Orifice

BODIES

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

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