

Data Sheet

Manual Lever Operated Directional Valve

DG17V4-01*-N-10

The DG17V4-01*-N-10 is a manual lever operated direction control valve with 4 ports. The mounting interface is ISO-4401-05 (CETOP-5). The valve has three positions, controlled manually by shifting a lever. The valve has no-springs and is detented, thus it will remain in the last position attained, provided there is no severe shock, vibration or unusual pressure transients.

Features

- Part of the DG17 valve family
- Reliable performance under rigorous and demanding operating conditions

Applications

- Industrial

Comprehensive technical literature is online at www.danfoss.com



Technical data

Parameter	Value
Maximum pressure P, A & B ports	315 bar [4569 psi]
Maximum pressure T port	70 bar [1015 psi]
Max oil flow	114 l/min [30 US gal/min]
Oil temperature	20° to 50°C [68° to 122°F]
Viscosity	15 to 51 cSt
Cleanliness acc. ISO 4406	20/18/15
Handle shift force	20 N·m [1475 ft·lb]

Safe state

The safe state of the valve is attained by shifting the lever to the middle position, which is one among the three positions. It is to be noted that surges of oil in a common tank line serving these and other valves can be of sufficient magnitude to cause inadvertent shifting of these valves.

Valves must be installed with the longitudinal axis horizontal for best results.

Determination of MTTFd

Evaluation of Mean Time to Dangerous Failure (MTTFd) for DG17V4-01*-N-10 valve assembly is based on part count method and for each component based on "Good Engineering Practice Method" using annexure for assessments as per ISO 13849-2:2012.

Reliability data

Model code	MTTFd acc. ISO 13849:2015
DG17V4-01*-N-10	150 years