

Data Sheet

Single stage proportional Directional valve

KBFDG4V-3-*-12-General/EN151/EN152/EN155/EN156/E158

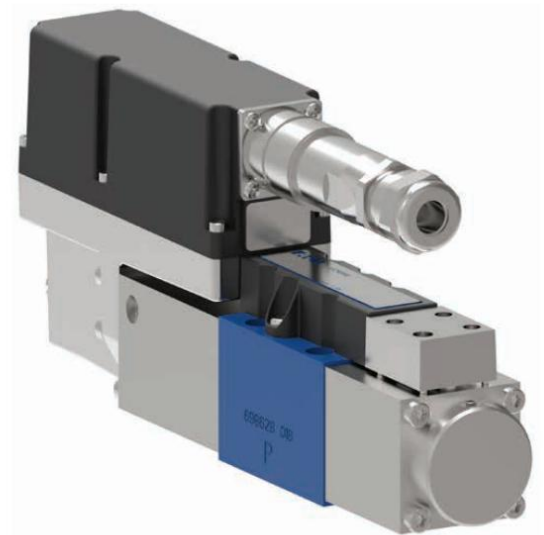
KBFDG4V-3-*-12-General/EN151/EN152/EN155/EN156/E158 are the Single Stage Proportional Directional Control Valves with feedback. These valves are designed to provide a controlled oil flow in direct proportion to a command signal. The KBFDG4V-3-*-12 valve has Mounting Surface Interface to ISO 4401 (Size 3).

Features:

- Factory-sealed adjustments increase valve-to-valve reproducibility.
- Valve with integrated amplifier selected, ordered, delivered, and installed as one performance-tested package.
- Installation wiring reduced and simplified.
- Vibration and shock tested.

Applications:

- Press Brake
- Injection Molding Machine
- Sawmill
- Wind Power



Comprehensive technical literature is
online at www.danfoss.com

Technical data:

Parameter	Value
Maximum pressure P, A & B Ports	350 bar (5076 psi)
Maximum pressure T port	210 bar (3625 psi)
Oil temperature	0°C to 70°C (+32°F to +158°F)
Viscosity	54-13 cSt (245-70 SUS) recommended
Cleanliness acc. ISO 4406	18/16/13 (0 to 70 bar) 17/15/12 (70+ bar)

Note:

The products must be used in accordance with the installation instructions and operating conditions published in the relevant valve product catalogue. This data sheet contains supplementary performance data that is not contained in the valve product catalogue. It has been produced specifically to support the requirement of the harmonized standard EN ISO 13849.

Determination of MTTFd

Evaluation of Mean Time to Dangerous Failure (MTTFd) for KBFDG4V-3-*-12 Valve is based on part count method and for each component based on "Good Engineering Practice Method" using annexure for assessments as per ISO 13849-2:2014.

Reliability data

Model Code	MTTFd acc. ISO 13849:2015
KBFDG4V-3-*-12	53.62 years