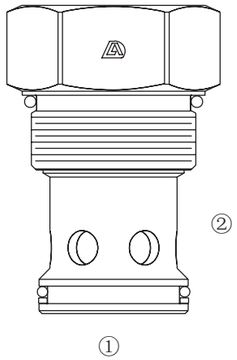
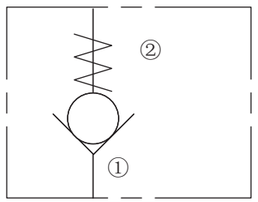
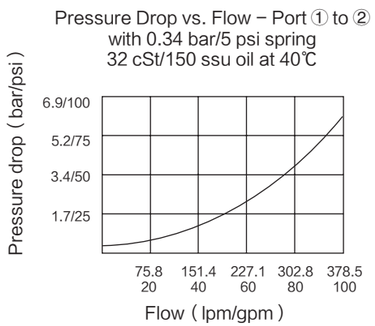
DACV42-M20 Check Valve



ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

OPERATION

DACV42-M20 allows flow passage from ① to ②, while normally blocking oil flow in the opposite direction.
The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ① to open to ② .

FEATURES

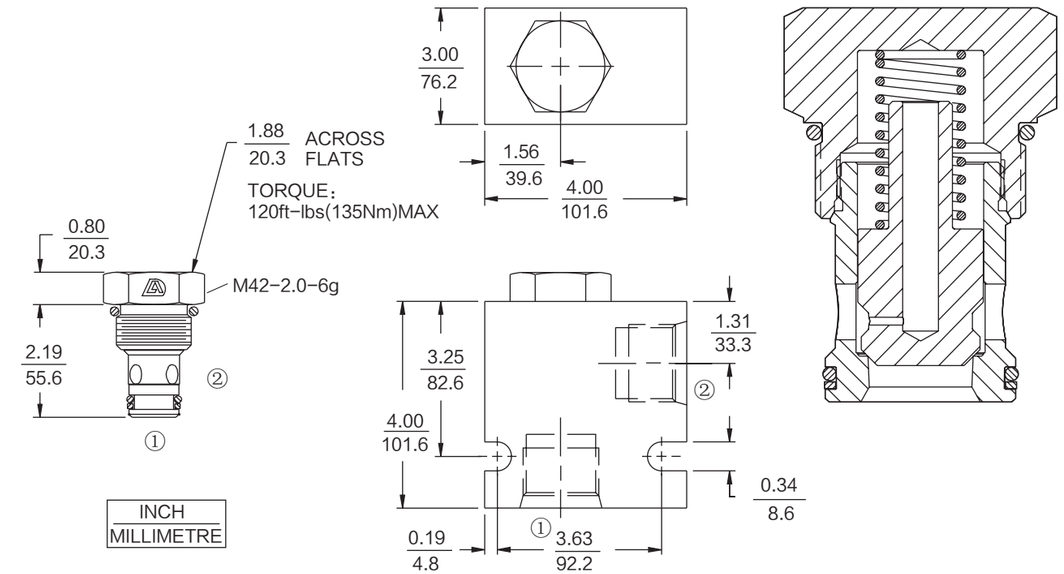
- Hardened seat for long life and low leakage.
- Optional bias springs for back-pressure application flexibility.
- Conforms to ISO 7789 cavity.

RATINGS

Operating Pressure:240 bar (3500 psi)
Proof Pressure: 350 bar (5075 psi)
Flow: See Performance Chart
Internal Leakage: 0.25 cc/minute (5 drops/minute) max. at 240 bar (3500 psi)
Crack Pressure Defined: Gauge psi evident at 1 at 16.4 cc/minute (1 cu. in./minute) attained
Standard Bias Springs at Crack:
0.35 bar (5 psi) ; 1.7 bar (25 psi) ; 4.1 bar (60 psi)
Temperature:-40℃ ~ 120℃
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 ssu)
Cavity:T42-2A; See page 310.

DACV42-M20

DIMENSIONS



MATERIALS

Cartridge: Weight:0.43 kg (0.95 lbs) ;
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and back-up standard.
Standard Ported Body:Weight:
1.63kg (3.60 lbs) ;
Anodized highstrength 6061 T6 aluminum alloy, rated to 240 bar (3500 psi) ;
Ductile iron bodies available; dimensions may differ.

TO ORDER

DACV42-M20 - - - -

Porting

Cartridge Only	0
SAE 20	20T

Bias Spring

5	0.35 bar (5 psi)
15	1.0 bar (4 psi)
30	2.1 bar (10 psi)
60	4.1 bar (60 psi)

Seals

N Buna N (Std.)
V Fluorocarbon