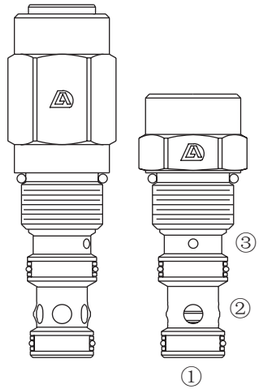
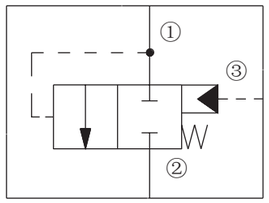
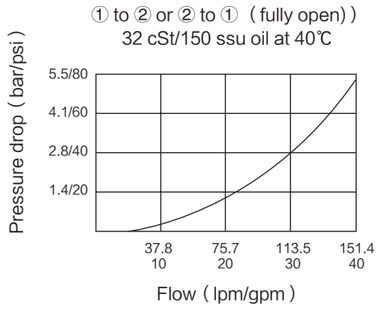
DAEP12-S35 Piloted Spool-Type Logic Element



ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A spool-type, screw-in, cartridge-style, hydraulic directional element, with multi-function potential when used with other directional, pressure, or flow control devices.

OPERATION

DAEP12-S35 is a spring-biased blocking valve which will shift to allow full flow from ① to ② only when pressure at ① exceeds the cumulative pressure of ③ , plus the bias spring pressure value.
DAEP12-S35 is a pilot-to-close directional valve.
With no pressure at ③ , flow will be allowed from ① to ② once the bias spring force is overcome with pressure at 1.

FEATURES

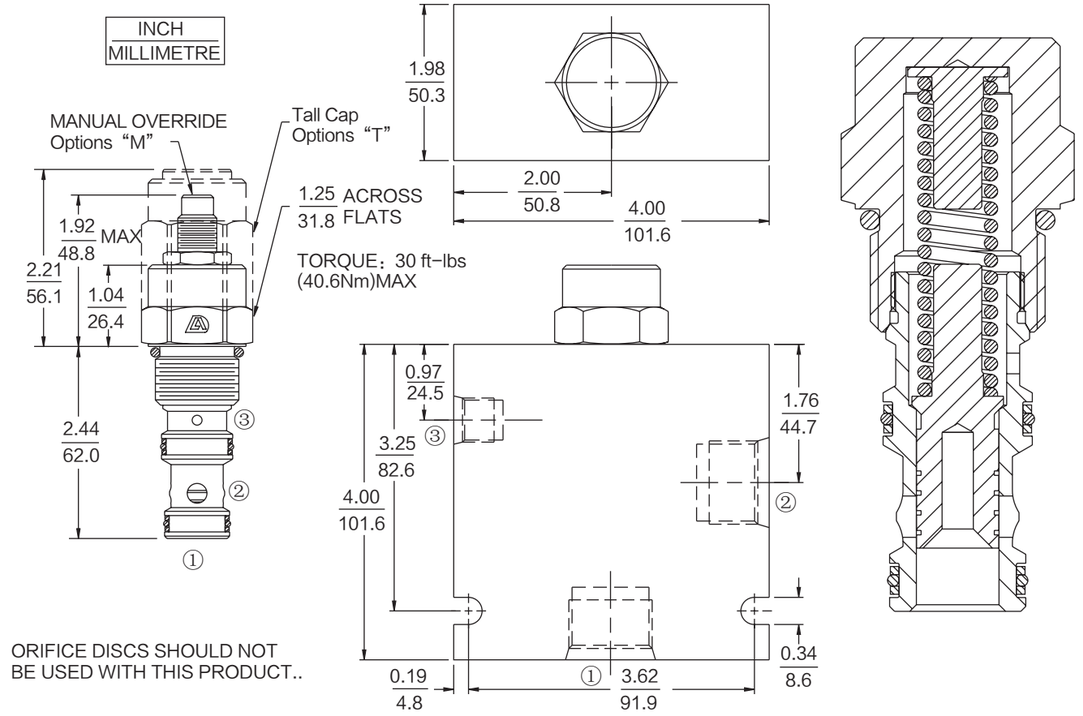
- Multiple function/application potential.
- Low pressure drop.
- Industry common cavity.
- Manual override option available with 80 psi spring only.

RATINGS

Operating Pressure:
350 bar (5000 psi) cartridge;
standard aluminum housing 240 bar (3500psi)
Flow: See Performance Chart
Internal Leakage:
131 ml per minute (8 cu. in. per minute)at 350 bar (5000 psi)
Bias Spring:
7.0 bar (100 psi)
11.0 bar (160 psi), Tall Cap Required
16.5 bar (240 psi), Tall Cap Required
Temperature:-40℃ ~ 120℃ (with Buna N seals)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 ssu)
Cavity:T12-3AS; See page 306.

DAEP12-S35

DIMENSIONS



ORIFICE DISCS SHOULD NOT
BE USED WITH THIS PRODUCT..

MATERIALS

Cartridge: Weight:
0.23 kg (0.5 lbs);
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and polyester elastomer back-ups standard
Standard Ported Body:Weight:
1.13 kg (2.50 lbs);
Anodized highstrength aluminum alloy, rated to 207 bar (3000 psi).
Ductile iron bodies available; dimensions may differ.

TO ORDER

DAEP12-S35 - - - - -

Options

None	(Blank)
Tall Cap	T
Manual Override	M

Manual Override available with 80 psi spring only.

Bias Spring

10	0.7 bar (10 psi)
80	5.5 bar (80 psi)
100	7 bar (100 psi)
‡160	11 bar (160 psi)
‡240	16.5 bar (240 psi)

‡ T Option required

Porting

Cartridge Only	0
SAE 12*	12T

*SAE 6 pilot port

Seals

N	Buna N (Std.)
V	Fluorocarbon
P	Polyurethane (Required for pressures over 240 bar/3500 psi)