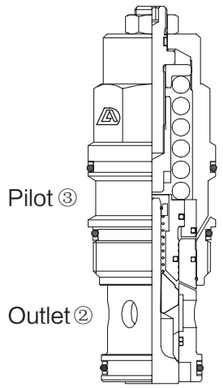
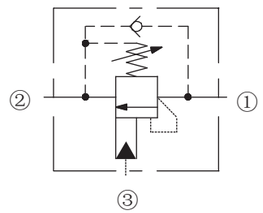
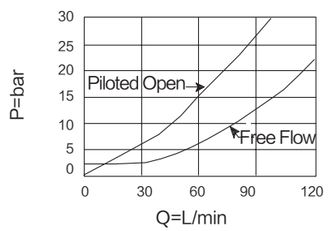
DACBEA-LHN Counter Balance Valve（STANDARD）



ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

Fixed-setting, 3-port Counter Balance Valves with pilot assist function similarly to the adjustable versions except the fixed setting is pre-set to a nominal value.

OPERATION

The check valve allows free flow from the directional valve (port ②) to the load (port ①) while a direct-acting, pilot-assisted relief valve controls flow from port ① to port ② .
Pilot assist at port ③ lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

FEATURES

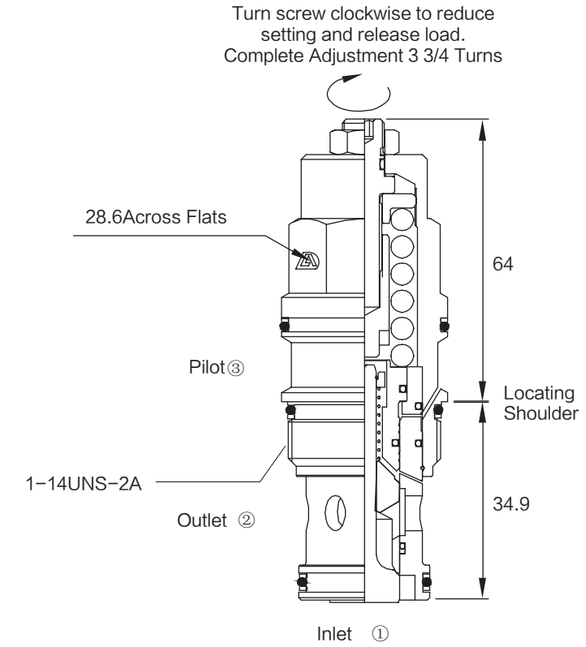
- Counter Balance Valves should be set at least 1.3 times the maximum load induced pressure.
- Back pressure at port ② adds to the effective relief setting at a ratio of ① plus the pilot ratio times the back pressure.
- Reseat exceeds 85% of set pressure when valve is standard set. Settings lower than the standard pressure may result in lower reseat percentage.

RATINGS

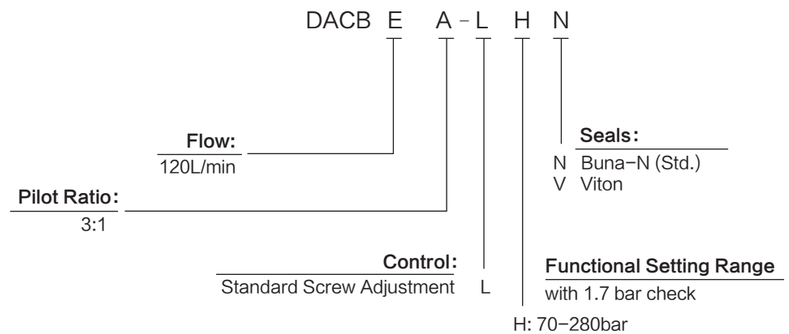
Restrictive valves have no relief capacity other than as a thermal relief.Maximum setting = 280 bar.280bar Maximum recommended load pressure at maximum setting = 215 bar
Flow Rating： See Performance Chart
Internal Leakage:0.4ml/min max. to 85% of nominal setting.
Setting Pressure Defined:
bar (psi) evident at 7.6 lpm (2.0 gpm) attained
Pilot Ratio:3：1
Maximum setting pressure should be 1.3 times the maximum load induced pressure.
Temperature:-40℃ to 120℃，with standard Buna seals;
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus)
Cavity:T10-3B，See page 302.
Standard Ported Body： Steel rated at 420 bar（6090 psi）.

DACBEA-LHN

DIMENSIONS



TO ORDER



NOTE：Customer specifie special setting stamped on hex.