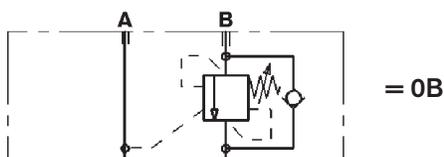
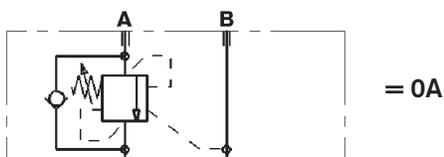
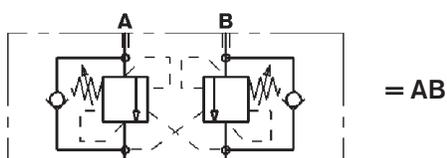


Stacking Modules – Counter Balance



EDM-CB

Circuit



Description

The secondary flangeable elements EDM-CB-__ can be interfaced and bolted on top of the A and B ports of the ED elements of the Directional Valve Assembly.

They incorporate one or two Cross Piloted Counterbalance Valves which allow free flow toward the A and B outlet ports, and lock in a leak free mode the flow returning from the actuator. Pilot pressure in the opposite line reduces the pressure setting of the counterbalance valve in proportion to the pilot ratio until opening and allowing the flow return from the actuator.

The pressure setting should be at least 1.3 times the highest expected load. Depending on the version selected, the counterbalance function can be double-acting or single-acting in both A and B ports, or in A port only, or in B port only (see hydraulic symbols).

– Port sizes: A and B – SAE 8.

– Special coating and plating available, C.F.

Technical Data (for applications outside these parameters, please consult us)

General

Ambient Temperature	°C (°F)	-20....+50 (-4....+120)
Material		Aluminum

Hydraulic

Maximum pressure	bar (PSI)	210 (3000)
Maximum flow	l/min (GPM)	60 (15)
Hydraulic fluid		Mineral oil based hydraulic fluids HL (DIN 51524 part 1). Mineral oil based hydraulic fluids HLP (DIN 51524 part 2). For use of environmentally acceptable fluids (vegetable or polyglycol base) please consult us.
Fluid Temperature	°C (°F)	-20....+80 (-4....+176) [NBR]
Permissible degree of fluid contamination		ISO 4572: $\beta_{\geq 75} X=12...15$ ISO 4406: classe 20/18/15 NAS 1638: classe 9
Viscosity range	mm ² /s	5....420

*310 bar (4500 PSI) available. Consult factory.

