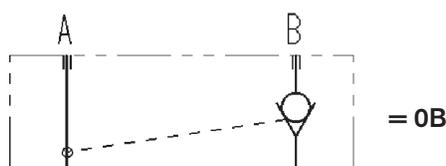
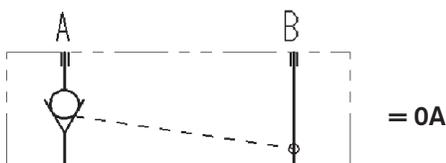
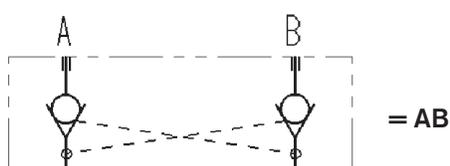


Stacking Modules – Pilot Operated Check



EDM-PO

Circuit



Description

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

They incorporate two Cross Piloted Check 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, until sufficient pilot pressure is built up in the opposite line and the check valve is opened.

Depending on the version selected (AB, or 0A, or 0B), the PO Check Valve is in both A and B ports, or in A port only, or in B port only (see hydraulic symbols). The Pilot Ratio is 4:1, consequently, the pilot pressure needs to be at least 1/4, or 25% of the load induced pressure in the actuator before the Check Valve opens, and oil can return to tank.

- Hydraulic 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: $\beta_{\lambda} \geq 75$ 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.

