Operating pressure up to 300 bar

Hydraulic synchronous flow dividers are required whenever several hydraulic cylinders need to be extended or retracted absolutely synchronously, e.g. to evenly lift something or to clamp a part with true reference to a centre. They can also help to operate several hydraulic punching units: punching a sheet in several places at the same time avoids moving or warping the sheet in the process.

Function

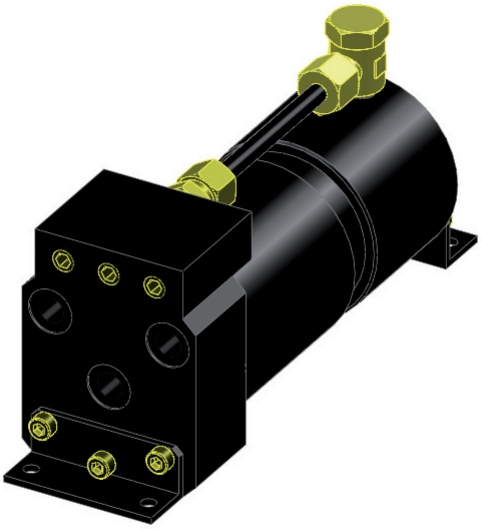
Hydraulic synchronous flow dividers are based on the principle of mechanically coupled hydraulic cylinders (displacement cylinders) which are extended together by a main cylinder. It's a intermediary device for absolute synchronous run. Every working cylinder requires a displacement cylinder. During every stroke, all working cylinders are supplied with the same volume of oil.

Features

- The compact unit consists of the main cylinder plus the displacement cylinders plus integrated stop valves for resynchronising the system after a leak has caused some loss of oil.
- Single-action and double-action operation of the cylinders connected to the divider unit
- Every unit is accurately adapted to the customer's needs
- Automatically controlled solenoid stop valves for permanent resynchronisation
- Accuracy of synchronisation > 99%
- Air and electrohydraulic pumps available as power sources

Please add to your inquiry or order:

- Max. operating pressure of the main cylinders used
- Number, piston diameter and stroke of the hydraulic cylinders used
- Intended use, e.g. clamping, lifting, punching etc.
- Manual or automatic synchronisation
- Type of power source: air hydraulic or electrical pump



Example: