

**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**

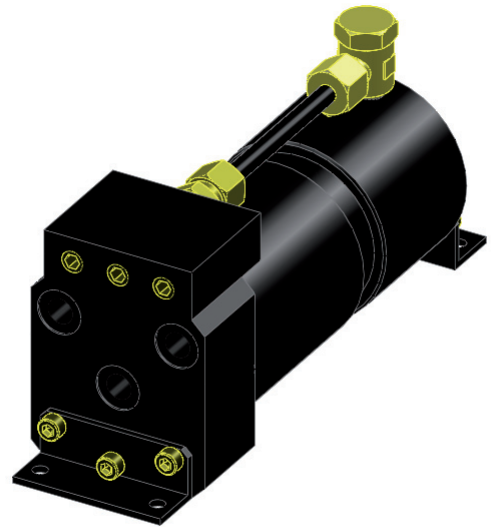
Hydraulic synchronous flow dividers are based on the principle of mechanically coupled hydraulic cylinders (displacement cylinders) which are extended together by a main cylinder. It's a intermediary device for absolute synchronous run. Every working cylinder requires a displacement cylinder. During 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:

