



Powerful and quiet

The pumps **PA**, **PB** and **PF** represent the heart of our height adjustment system.

The flexible connections, the minimal space requirements and the option of mounting the pumps in any location (even outside a system) mean that Ergoswiss systems can be integrated in very slim and complex objects.

Our pumps can activate up to 10 cylinders quietly, continuously and absolutely synchronously – even in the case of uneven loads – lifting weights up to 800 kg.

The pumps are driven by an electric drive unit or a hand crank.

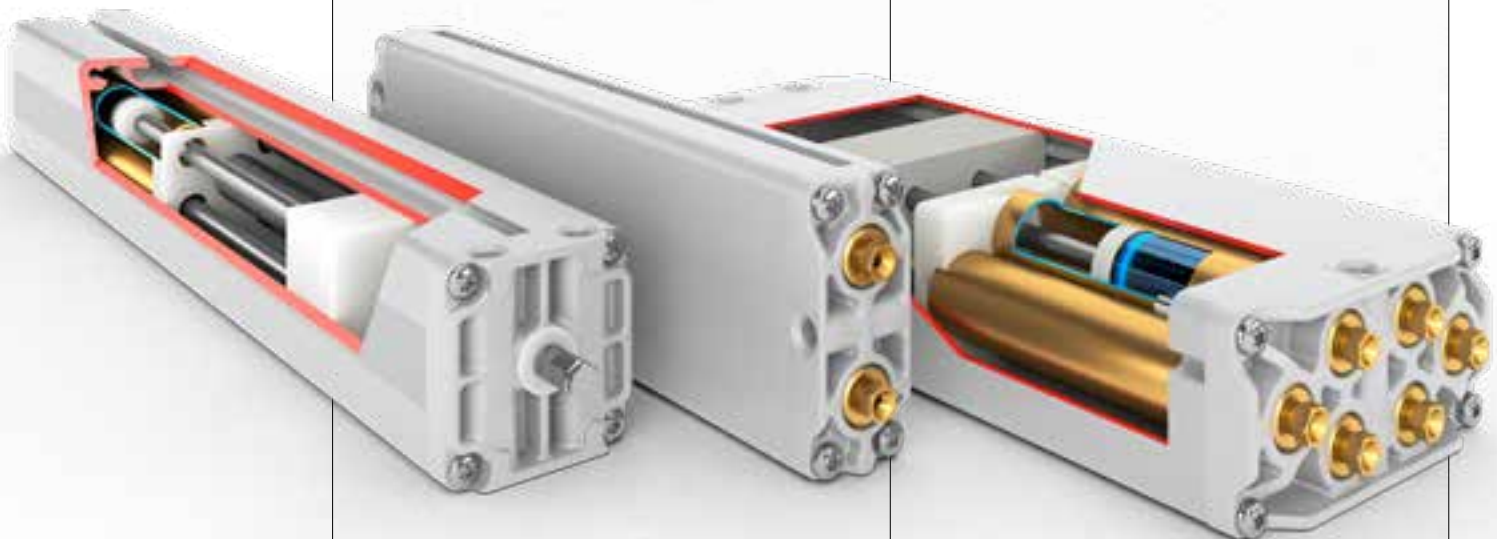
A restoring force of at least 70 N* must be available per cylinder to push the hydraulic oil back into the pump during retraction (single-acting hydraulics).

The pumps and cylinders are connected with a hydraulic hose (Ø 4 mm). The maximum hose length is 8 m, the minimum bending radius is 25 mm.

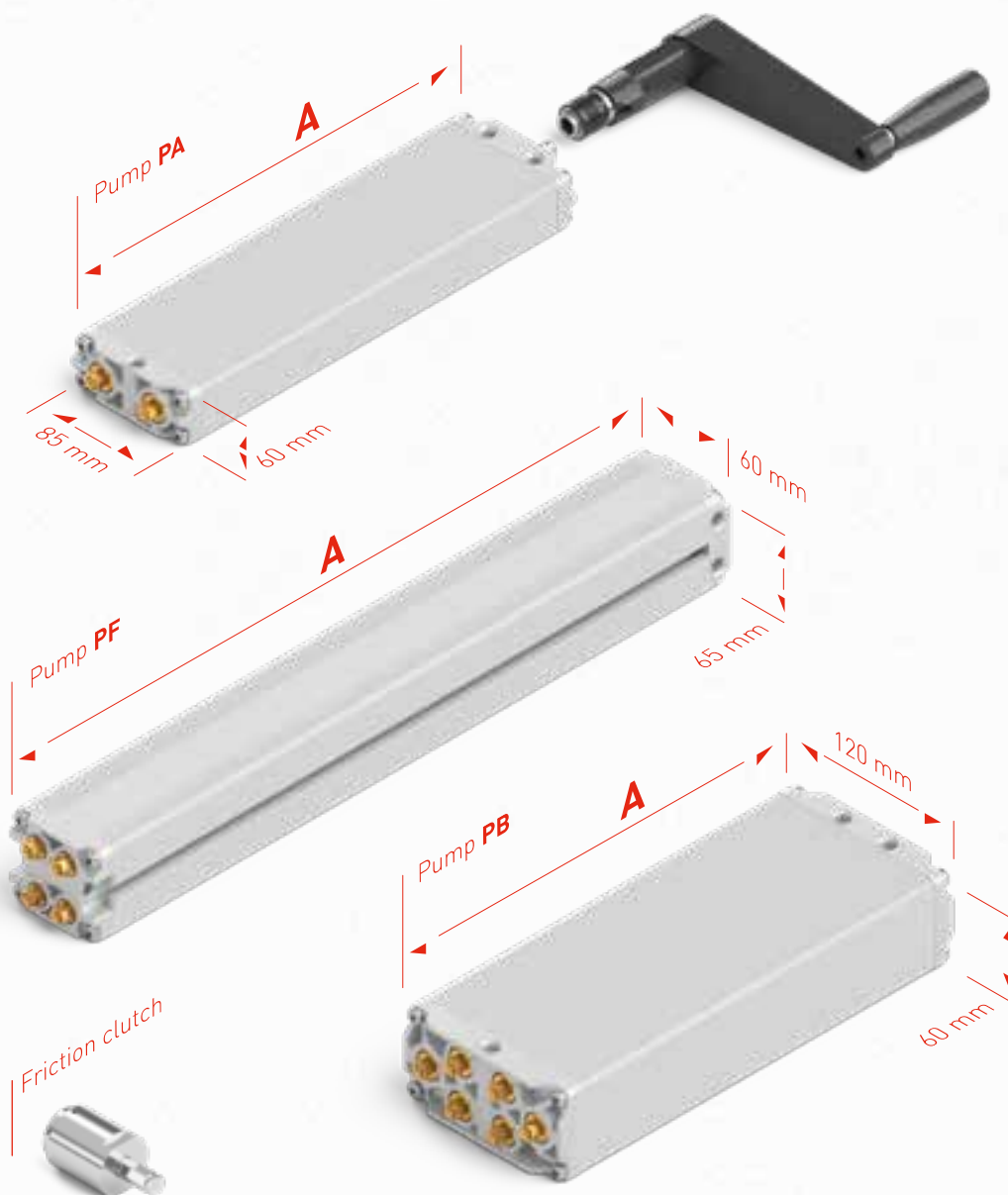
The pump housing is an extruded aluminium profile with a plain anodised finish.

Three fixing holes are available to mount the pumps. An additional mounting groove is provided on both sides for mounting the **PF** pump.

* Restoring forces of up to 250 N are required for long hoses, or if there is friction in the guide rail or a misalignment in assembly.



Type PA|PB|PF



Technical data

- Type **PA** to drive 1 or 2 cylinders and for a maximum system power of 5000 N
- Type **PB** to drive from 5 to 10 cylinders and for a maximum system power of 8000 N
- Type **PF** to drive from 3 to 4 cylinders and for a maximum system power of 8000 N
- Maximum lifting speed of 10 mm per crank turn, or max. 30 mm/s with electric drive
- Food grade hydraulic fluid
- Hand crank removable (click function without drilling and pinning)

| Pump PA PB PF | |
|----------------------|----------|
| 350 + 600 kg | A |
| x815 | 298.5 mm |
| x820 | 358.5 mm |
| x830 | 480.5 mm |
| x840 | 600.5 mm |
| x850 | 722.5 mm |
| x860 | 842.5 mm |
| x866 | 923.5 mm |
| x870 | 969.5 mm |
| 800 kg | A |
| x418 | 480.5 mm |
| x430 | 722.5 mm |
| x440 | 923.5 mm |

Detailed CAD drawings in various formats can be found at www.ergoswiss.com