ERGOSWISS

The Pumps

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.

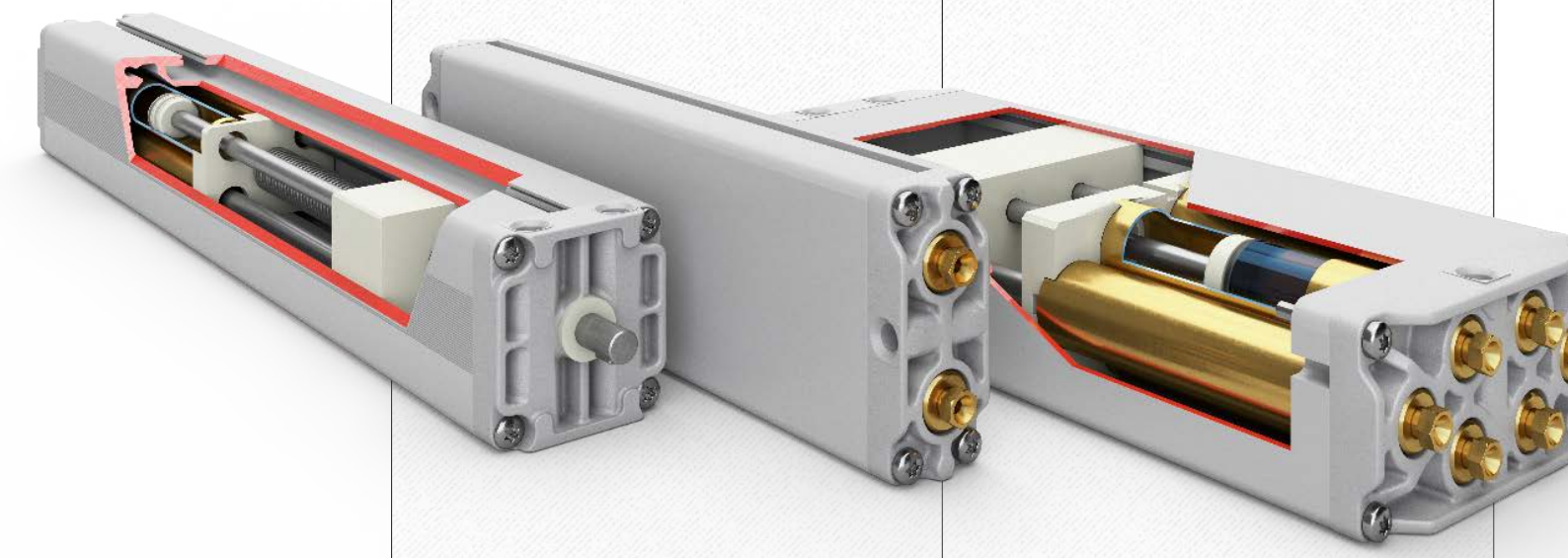
A restoring force of at least 70 N* should be available per cylinder to push the hydraulic oil back into the pump during retraction (single-acting hydraulics).

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.

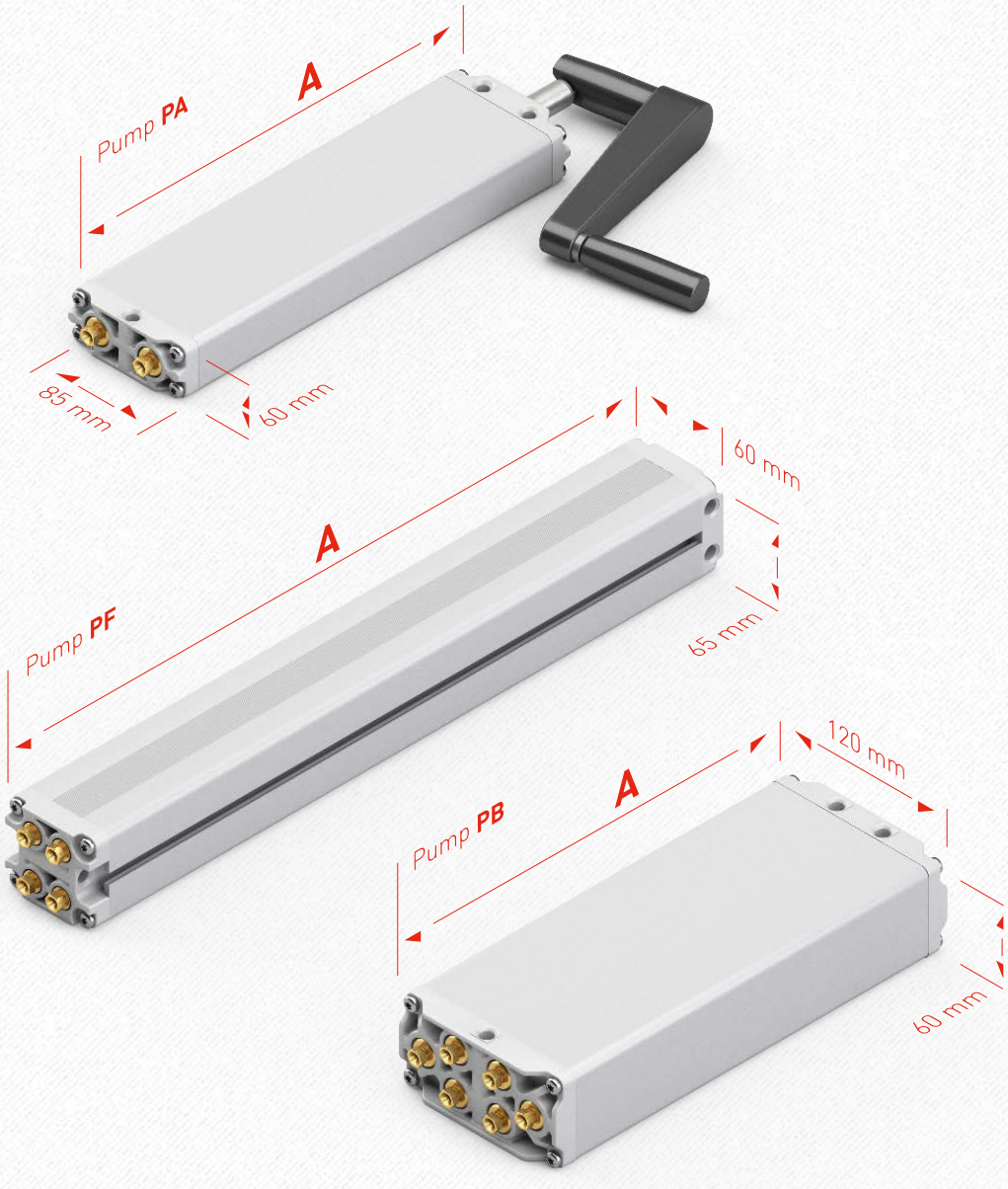
The pump housing is an extruded aluminium profile with a plain anodised finish.

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



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

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 fluids can also be used
- Other models on request

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