

EPCU control units



When to choose EPCU electropermanent magnet controllers:

The advanced EPCU series units are used to magnetize all Walmag EP chucks. They offer additional features compared to the standard LCC units. Available versions are EPCU 10, 20, 40 SW/DW.

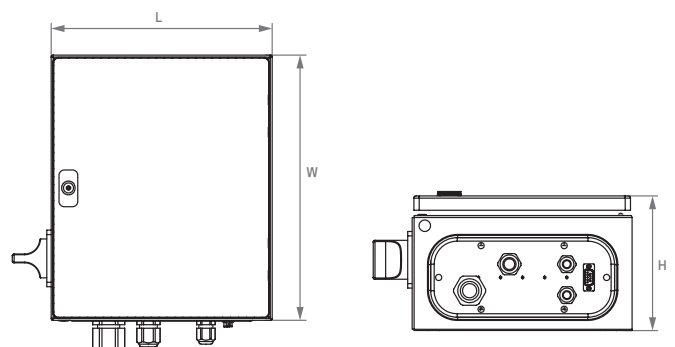
Basic functions of the EPCU control unit:

- + possibility to control up to 4 magnetic chucks at the same time
- + microprocessor controlled de/magnetization of workpiece and chuck
- + magnetization status check – connection to the machine safety contact
- + possibility of connection with a PLC machine
- + overheating protection (safety delay between cycles)
- + control by the U19 wired remote control with clamping force adjustment (optional RM remote control with selection of sections and magnetizing groups)

Other functions of the EPCU:

- + possibility to adjust the demagnetization cycle according to the material workpieces
- + full demagnetization of workpiece and chuck – for uncompensated EP chucks
- + networking support (connecting multiple units and fixtures in large assemblies)
- + remote connection function (demagnetization settings, firmware update, diagnostics)
- + magnetization credit function gives the possibility to shorten the safety delay between cycles

Catalog number (EPCU)	W (mm)	L (mm)	H (mm)	Weight (kg)
EPCU10 SW	300	250	150	6,4
EPCU20 SW	400	300	150	8,0
EPCU40 SW	400	400	200	13,3
EPCU10 DW	400	300	150	8,2
EPCU20 DW	400	400	200	13,5
EPCU40 DW	500	400	200	15,5



The above parameters apply to the IP54 version of the unit