

**SIMPLE OPERATION**

The bayonet connection enables easy loosening and swinging to the side.

Externally accessible closure components are PTFE-coated. After pressing the start key, the fully automatic program is executed with the preselected parameters.

The parameters can be changed and adjusted during the mounting process.

**MOULD ASSEMBLIES**

Our comprehensive selection of mould assemblies from Ø 25.2 - 40 mm enables optimum mounting of your sample.

Two mounts can be produced simultaneously with the use of a spacer.

ELECTRONIC CONTROL

With its clear LCD operation panel you can easily control the hot mounting press.

**OPAL 410**

The OPAL 410 is a fully hydraulic, water cooled hot mounting press for mounting samples before polishing.

The process sequence is executed automatically.

Mould assemblies can be exchanged quickly and without tools.

The robust aluminium construction is powder coated.

With its solid construction and ATM hydraulic system, the operating noise of the machine is minimized.

HEATING

Our high-power heating system gives a very short warm-up time.

COOLING WITH WATER-SAVINGFUNCTION

The mounting process is either cooled with continuous or pulsed water flow. Thereby, a considerably lower water consumption can be achieved by pulsed cooling.

PRESSURE CONTROL

Besides the standard operation, you can choose between six pressures depending on sample diameter.



BASIC MODULE



OPAL 410



Order No.: M0770000

- » automatic hot mounting press
- » fully hydraulic operation with automatic water cooling (with water saving function)
- » bayonet closure system
- » computer controlled
- » easy change of mould assemblies
- » aluminium case, powder coated

EQUIPMENT



POWER SUPPLY

Equipment 1

230 V/50 Hz (1Ph/N/PE)

Order No.: A0770000

Equipment 2

110 V/60 Hz (1Ph/N/PE)

Order No.: A0770001

ACCESSORIES



COOLING UNIT

Recirculation unit

- » extern

230 V/50 Hz (1Ph/N/PE)

Order No.: Z0730007

110 V/60 Hz (1Ph/N/PE)

Order No.: Z0730008

Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.
WxHxD	440x345x565mm



System cooling unit

- » integrated in drawer

230 V/50 Hz (1Ph/N/PE)

Order No.: A5810171

110 V/60 Hz (1Ph/N/PE)

Order No.: A5810172

Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.



INSERTS

Mould assemblies

- » cylinder, upper and lower ram

	Order No.:
Ø 25.2 mm (appr. 1")	Z0770101
Ø 30 mm	Z0770102
Ø 32 mm	Z0770103
Ø 31.75 mm (1¼")	Z0770104
Ø 38 mm (appr. 1½")	Z0770105
Ø 40 mm	Z0770106



Spacer

- » for double mounts

	Order No.:
Ø 25.2 mm (appr. 1")	00702113
Ø 30 mm	00702114
Ø 32 mm	00702115
Ø 31.75 mm (1¼")	00702141
Ø 38 mm (appr. 1½")	00702116
Ø 40 mm	00702117



CONNECTION SET



Order No.: Z0730003

2x pressure tube	R 1/2"; 2 m long
Adapter	for 3/4"

SPECIFICATIONS

Mould	Ø 25.2 - 40 mm
Connected load	3.1 kVA
Power supply	1 230 V/50 Hz (1Ph/N/PE)
	2 110 V/60 Hz (1Ph/N/PE)

Heating	4 x 500 Watt
Temperature range	0 – 200 °C
Heating time	variable / 0 - 30 min
Cooling time	variable / 0 - 30 min

Max. pressure	up to 450 bar depending on mould
---------------	-------------------------------------

WxHxD	350 x 400 x 450 mm
Weight	40 kg

