

#### 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  $\emptyset$  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 robust aluminium construction is powder coated.

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

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.

### **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.





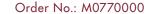




#### **OPAL 410**







- » 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





» 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.



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

## **INSERTS**

## Mould assemblies

» cylinder, upper and lower ram

Ø 30 mm

Ø 31.75 mm (11/4")



#### Spacer

» for double mounts

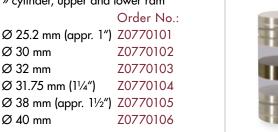
Order No:

Ø 25.2 mm (appr. 1") 00702113 Ø 30 mm 00702114

Ø 32 mm 00702115 Ø 31.75 mm (11/4") 00702141

Ø 38 mm (appr. 11/2") 00702116 Ø 40 mm 00702117









## **CONNECTION SET**



Order No.: Z0730003

2x pressure tube R  $\frac{1}{2}$ "; 2 m long Adapter for  $\frac{3}{4}$ "

## **SPECIFICATIONS**

Mould	Ø 25.2 - 40 mm
Connected load	3.1 kVA
	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

