

## MANUAL GRINDING &amp; POLISHING MACHINES

## QPOL 300 M1 / QPOL 300 M2



The Qpol 300 M1 is a manual single wheel grinder & polisher and the Qpol 300 M2 is a manual twin wheel grinder & polisher for working wheels with  $\varnothing$  250/300 mm. The impact-resistant plastic bowl, the powder-coated aluminium housing and the high-quality components inside the device are the basis for smooth running and best preparation results.

The robust device can be retrofitted with the Qpol GO automatic grinding and polishing head and combined with the Qdoser GO manual dosing unit. Thus, it offers a high degree of flexibility as well as ease of use for sample preparation.


**ROTARY SWITCH & BOOST FUNCTION**

The start/stop button with illuminated status display as well as the rotary switch with scale and integrated boost button allow for intuitive operation of the manual machines. The set speed remains constant throughout the entire grinding and polishing process. At the end of the preparation procedure, the boost function may be activated to discharge any liquid left on the grinding and polishing medium in 3 seconds at 750 rpm.

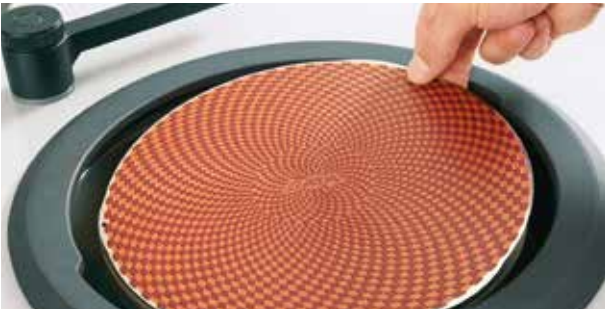

**SINGLE-DISC DESIGN**

After removal of the splash protection ring, the working wheel is freely accessible. The wheel is automatically arrested when placed on the new mounting system. On lifting the wheel, all parts below are accessible for easy cleaning.



### FOR REPRODUCIBLE PREPARATIONS

The time setting and torque display to visualize the current contact pressure are the basis for easy and reproducible manual preparation steps. The water valve is automatically activated at the beginning/end of the preparation process, if required.



### ERGONOMICALLY SHAPED SPLASH GUARD RING

The machine design with its new splash guard ring, clearly laid out working area, water tap and sloping control panel convincingly meets all the requirements for comfortable operation. The new mounting system for the working wheel (single disc principle) saves time when changing the grinding and polishing media and cleaning the machine.



### INTUITIVE PARAMETER SETTING

The machine is operated and programmed via the 4.3" touch screen. All process parameters can be saved as a preparation method.



### COMBINABLE WITH DOSING UNIT QDOSER GO

The dosing unit Qdoser GO has been adapted to the new design and is now even more user-friendly and robust. Four 500 ml glass bottles with screw caps hold 3 x suspension and 1 x lubricant or oder 4 x diamond suspension Dia-Complete and can be filled via a separate lid. They are easily removed for cleaning.



### COMBINABLE WITH GRINDING/POLISHING HEAD Qpol GO

The perfect solution for automated sample preparation. The Qpol 300 M machines can be equipped with the optional Qpol Go grinding/polishing head.


**BASIC MODULE**
**Qpol 300 M1/M2**

- | Qpol 300 M1: single wheel grinder & polisher
- | Qpol 300 M2: twin wheel grinder & polisher
- | Variable speed
- | Clockwise and counter-clockwise rotation
- | Working wheels separately controlled (Qpol 300 M2)
- | Spin cycle feature (Cleaning Boost)
- | 4.3" Touch-Screen with intuitive QATM user software
- | Timer function for manual grinding/polishing
- | Torque display for visualizing the grinding pressure
- | Programs storable (parameters and notes)
- | Automatic water valve
- | Easy, fast and tool-free change of working wheel
- | Easy cleaning/rinsing of bowl by lifting the working wheel (single-disc design)
- | Aluminium case, powder coated
- | Impact-proof plastic bowl
- | Basin rinsing tube
- | Incl. splashing ring and cover
- | Start-Stop function with status indication
- | Combinable with polishing head Qpol GO
- | Combinable with manual dosing unit Qdoser GO

**Qpol 300 M1**

 200-240 V / 50/60 Hz  
(1Ph/N/PE)

**Order No.: M5631060**

 100-120 V / 50/60 Hz  
(1Ph/N/PE)

**Order No.: M5631065**
**Qpol 300 M2**

 200-240 V / 50/60 Hz  
(1Ph/N/PE)

**Order No.: M5631070**

 100-120 V / 50/60 Hz  
(1Ph/N/PE)

**Order No.: M5631075**
**ACCESSORIES**
**SETTLING TANK**


- | 2-chamber-compartment, 45 ltr.
- | for System lab cabinet (insertion mechanism)

 referring height of System cabinet  
H 800 mm

**Order No.: A5810261**

 referring height of System cabinet  
H 900 mm

**Order No.: A5810237**


- | inlet sieve and filter bag
- | mobile

**Order No.: A5800496**
**WORKING WHEELS Qpol 300**


- | Single-disc design

Ø 250 mm

**Order No.: Z5631002**

Ø 300 mm

**Order No.: Z5631007**
**CLAMPING RINGS Qpol 300**

- | for working wheels Qpol 300 M/A
- | plastic

Ø 250 mm

**Order No.: Z5631004**

Ø 300 mm

**Order No.: Z5631009**

## ACCESSORIES

### CONNECTION SET

- 1 drain tube Ø 40 mm; 1.5 m long
- 1 pressure tube R ½"; 2 m long

Order No.: Z5600008

### CONNECTION-SET FOR AIR PRESSURE

- 1 pressure tube 3 m with coupling and connection thread R3/8"

Order No.: Z1320000

### BASIC SET Qpol 300 M1

- 1 splash guard ring, 1 cover, 4 sealings plugs for handles

Order No.: Z5631012

### BASIC SET Qpol 300 M2

- 2 splash guard rings, 2 covers, 4 sealings plugs for handles

Order No.: Z5631013

## OPTION

### GRINDING/POLISHING HEAD Qpol GO

| see page 3.24



Preparation Qpol GO for Qpol 300 M1

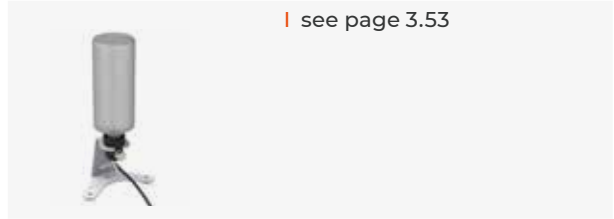
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Preparation Qpol GO for Qpol 300 M2

Order No.: A5631004

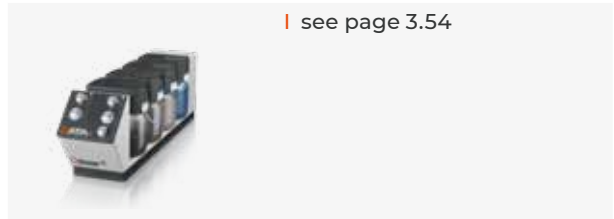
### DOSING BOTTLE Qdoser ONE

| see page 3.53



### DOSING UNIT Qdoser GO

| see page 3.54



## SPECIFICATIONS

	Qpol 300 M1	Qpol 300 M2
Working wheels	Ø 250/300 mm	Ø 250/300 mm
Connected load	1.8 kVA	2.3 kVA
Power supply	1 200-240 V / 50/60 Hz (1Ph/N/PE) 2 100-120 V / 50/60 Hz (1Ph/N/PE)	200-240 V / 50/60 Hz (1Ph/N/PE) 100-120 V / 50/60 Hz (1Ph/N/PE)
Speed	30-600 rpm	30-600 rpm
WxHxD	~ 511 x 265 x 710 mm	~ 901 x 265 x 710 mm
Weight	37-45 kg	57-65 kg

