

Technical data



AbraPol-30

Advanced semi-automatic machine for grinding and polishing of specimens in specimen holders up to 200 mm/8" dia. Removal rate sensor and transparent safety cover included. Suspension/lubricant and oxide suspension pump units, recirculation cooling tank, pump and filter, grinding/polishing discs and specimen holders are available separately.

Voltage

3 x 200 - 240 V / 50 - 60 Hz
3 x 380 - 480 V / 50 - 60 Hz

Cat. no.

06306129
06306146

AbraPol-30 with shift valve

Advanced semi-automatic machine for grinding and polishing of specimens in specimen holders up to 200 mm/8" dia. Removal rate sensor, transparent safety cover and shift valve for recirculation or drain included. Suspension/lubricant and oxide suspension pump units, recirculation cooling tank, pump and filter, grinding/polishing discs and specimen holders are available separately.

Voltage

3 x 200 - 240 V / 50 - 60 Hz
3 x 380 - 480 V / 50 - 60 Hz

Cat. no.

06306229
06306246

Disc	Diameter Speed Rotational direction Motor power, continuous (S1)	300 mm / 12" or 350 mm / 14" 40 - 600 rpm, adjustable in steps of 10 rpm Counter-clockwise 2.2 kW
Specimen holder	Speed Rotational direction Force Max. size sample holder	50 - 300 rpm, adjustable in steps of 10 rpm Clockwise, Counter-clockwise 50 - 700 N 200 mm / 8"
Positioning of specimen holder	X- direction	65 mm
Operation Modes	Semi automatic and manual preparation	
Process mode	Time Removal	5 sec. - 10 min 0.05 - 5 mm
Safety	Please refer to the Declaration of Conformity	
Noise level	At idle running, at a distance of 1.0 m / 39.4" from the machine	52 db (A)
Surrounding temperature	5 - 40 °C / 41 - 104 °F	
Humidity	Non condensing 0 - 95 % RH	
Software and electronics	Controls Memory LC Display	Touch pad and turn/push knob FLASH-ROM / RAM / NV-RAM TFT-colour 320x240 dots with LED back light
Supply	Voltage / frequency Power inlet Power, nominal load Pressure for tap water Flow for tap water Water inlet diameter Water outlet diameter Compressed air inlet diameter Compressed air pressure Compressed air flow Compressed air quality	3x200 - 240 50/60Hz, 3x380 - 480 50/60Hz 3 phase (3L + PE) 3 kW 1 - 4 bar / 14.5-58 psi min. 10 l/min (2.6 gpm) 3/4" 50 mm (2") 6 mm (1/4") 6 - 9,9 bar (w87-145 psi) 30 l/min (6,6 gpm) ISO 8573-1, class 3
Recirculation unit	Optional	
Pump for recirculation	Optional	
Drain	Diameter	50 mm / 2"
Exhaust	Diameter Recommended capacity for exhaust system	50 mm (2") 1000 l/m (265 gpm)

PHYSICAL SPECIFICATIONS

Dimensions and weight	Width Depth Height closed Height open Weight	84 cm (33") 98 cm (39") 156 cm (62") 187 cm (74") 390 kg (860 lbs)
Beacon	Optional	Sound, Red/Yellow/ Green light

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards (please contact your local supplier for details).