





Portable sandblaster
Model 400.415

Manual

KC Denmark

Research Equipment
Limnology • Oceanography • Hydrobiology

	<p align="center">Manual for portable sandblaster</p>	<p align="center">Model no. 400.415</p>
	<p><u>Application:</u> All kinds of restoration of metal and steel pieces, monumental rocks and church restoration. The machine can be used with glass powder, aluminium oxide (corundum) and granulated nutshells or similar. The powder container can hold app. 6 L of glass powder or similar.</p> <p align="center">  Caution </p> <p>KC Denmark A/S is not, and cannot be held, responsible for any damage(s) made to equipment or to operators who ignore safety precautions or because of misuse or wrong operation.</p>	
	<p>Preparation before use:</p>	
<p align="center">1</p>	<p>The powder is supplied at the top of the sandblaster. The machine can hold a maximum of approx. 7 kg powder.</p> <p>The machine can be used with glass powder, aluminium oxide (corundum) and granulated nutshells or similar.</p>	
<p align="center">2</p>	<p>Connect the air compressor to the sandblasting machine with proper fittings.</p> <p>The air compressor must have a capacity of 250 - 400 L/minute (app. 2 - 4 Hp), maximum pressure: 10 bar.</p> <p>IMPORTANT: You must ensure using a dryer/filter and/or a coalescer combo to provide water, oil and dirt free air.</p>	

3	Adjust the valve to the wanted pressure. If you are not quite sure for the pressure needed, start at a lower level and increase pressure for proper operation.	
4	<p>Activate the foot pedal and try to sandblast your material. Adjust the pressure to obtain the wanted effect of sandblasting.</p> <p> Caution Do not point the jet blower against humans or animals as it might cause injury to the body.</p>	
Troubleshooting		
5	If the powder flow stops, reduce the air pressure to approx. 1 bar. Hold your finger towards the end of the jet blower and activate the foot pedal momentary to release the blocking.	
Specifications		
6	<ul style="list-style-type: none"> • Power supply: 230 V AC • Power supply: (internal working voltage on the machine): 24 V DC • Capacity of powder container: Approx. 6 L • Capacity: 250 - 400 L/minute (app. 2 - 4 Hp) • Requisite air supply: Max. 10 bar air pressure • Dimensions: L x B x H: 40 x 20 x 10 cm 	

Technical information

General:

The portable sandblasting machine is built of 5 mm impact strengthened plastic plates.

An air regulator with a water filter, a manometer and a 24 Volt AC solenoid valve are mounted at the top of the front plate. A switch, an indicator lamp, a 24 Volt transformer and a socket for the foot switch are mounted at the bottom of the front plate.

The jet of the blasting pistol has an internal diameter of Ø4 mm, and the tubes between pistol and powder container are app. 1,5 m long.

The air regulator can regulate the flow of powder and the working pressure.

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