SIGG Strahltechnik
Wet blasting cabinets WA 70, WA 80, WA 110, WA 140

Sludge
for finest matting

WA 70

Wet blasting refines jewelry and watches

Finest matting for sensitive surfaces can be achieved with the wet blasting systems by SIGG Strahltechnik. Watches, jewelry, scalpels or implants are precisely refined and smoothed. The wet blasting systems are available in various sizes (700 – 1400 mm). Optionally, in addition to this robust agitator, a sludge pump can be delivered. Through the pump and a small tank, the abrasive-water-mixture is conveyed to the blasting gun at circa 2 bar. Attached to this tank are also connection pipes for several blasting guns. The cascade separator, in which the used blasting abrasive is collected, is mobile in the large versions.

The crane-accessible system can be charged with up to 200 kg when uniformly loaded. This is ensured not least because of the weight balance by means of pneumatic springs, which can be locked at the top position. The blasting gun is mounted to the on all sides adjustable fixture. The blasting gun as well as the flushing of the double-glazed viewing window is operated by means of an electrical dual foot switch. The double-leaf frontage cabin door is pushed up vertically with two handles. The control cabinet for the electrical equipment is attached to the cabin.

Your benefits:

- **Finest matting**
- **Robust agitator**
- **Crane-accessible**
- **Weight balance through pneumatic springs**
- **Flushing of the double-glazed viewing window**
- **Double-leaf frontage cabin door**

Did you know?

SIGG Strahlentechnik also provides matching accessories and spare parts for your blasting system. In case your machine needs maintenance or repair, it would also be our pleasure to submit you an offer. Simply give us a call, tel. +49 (0) 7741 808 93 0 .

Oberflächen
für Industrie
und Technik

SIGG STRAHLTECHNIK GMBH

Technical Data

Wet blasting cabinets WA 70, WA 80, WA 110, WA 140

Typ	WA 70	WA 80	WA 110	WA 140
Outer dimensions	Length: 700 mm + 120 mm for control cabinet Width: 600 mm + 250 mm for agitator engine Height: 2200 mm offen	Length: 800 mm + 120 mm for control cabinet Width: 900 mm + 250 mm for agitator engine Height: 2200 mm offen	Length: 1100 mm + 280 mm for control cabinet Width: 900 mm + 250 mm for agitator engine Height: 2200 mm offen	Length: 1400 mm + 280 mm for control cabinet Width: 900 mm + 250 mm for agitator engine Height: 2200 mm offen
Inner dimensions (effective space)	Length: 680 mm Width: 550 mm Height: 450 mm	Length: 780 mm Width: 800 mm Height: 650 mm	Length: 1080 mm Width: 850 mm Height: 720 mm	Length: 1380 mm Width: 850 mm Height: 720 mm
Weight	ca. 100 kg	ca. 140 kg	ca. 200 kg	ca. 220 kg

WA 80

Connections	Compressed air 1/2" with screw coupling
Water connection	3/8" G hose 13 mm L. W. exhaust fan
Agitator motor	WA 70: 0,37 kW WA 80 - 140: 0,75 kW 230/400 V, 1400 UPM
Blasting gun	Based on the injection principle, nozzle combination 3 mm air nozzle or 8 mm ceramic nozzle
Air requirement	ca. 20 m^3/h up to 5 bar
Lighting	Lamp with 11 W for WA 70, 38 W for WA 80 – 140
Hand holes	LATEX-gloves, directly flanged
Color	Hammer finish green or hammer finish grey
Accessories	Mobile cascade collector in large and small version
small version	Length: 800 mm Width: 400 mm Height: 200 mm
big version	Length: 800 mm Width: 400 mm Height: 350 mm

Sludge blasting technique for fine surfaces

In wet blasting systems, the blasting abrasives and water are stirred up in a vessel and then blasted at the work piece by means of injector technology. The result is a flawless, fine surface. In case a higher pressure or a larger volume flow is required, the blasting machine is equipped with a sludge conveyor pump.

Suspended blasting abrasives

Wet blasting systems imply particularly fine blasting abrasives suspended in water. During the blasting, a liquid film builds up on the surface to be processed. This protects the surface from abrasion by damping the blasting action. Particularly spared are the microscopically small cavities (pores), since they fill up with water immediately when starting work. The raised and edged parts of the surface are more strongly removed through the wet blasting process. This results in a reduction of the surface roughness, which for example cannot be achieved to this extent by means of dry blasting.

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