

# Manual shot-blasting unit for cylinder internal cleaning

## ICS80-M model

A cost effective solution  
for cylinder internal cleaning



### MAIN COMPONENTS

- > Shot-blasting unit
- > Separator
- > Self-cleaning filter
- > Microsphere recovery pump
- > Pneumatic inverter
- > Cylinder clamping device
- > Cylinder rotation device

### Description

The ICS-80-M is a shot-blasting unit suitable to clean inside the portable cylinders by means of metallic microsphere.

Rather than any other conventional methods, this unit will perfectly clean inside the neck and the bottom of the cylinder.

The accepted cylinder is up to 90 cm high and presents max diameter of 27 cm, as for example the SCUBA diving cylinders, the ones for portable medical oxygen and the CO2 fire extinguishers.

The metallic microspheres assure high quality cleaning of the cylinder internal surface, without leaving any residue. The closed cycle recovery system of the microsphere, allows minimising the consumption, reducing waste and saving money.

After the shot-blasting process, the cylinder is rotated upside down, on the pneumatic actuated inverter. The used metallic spheres and the residual of cleaning are recovered through the aspiration flow in the separator and then separated by means of the cyclone device, in order to reuse the microsphere for the next cycles. The residual of cleaning is filtered and then collected by the self-cleaning filter, very easy to be emptied.

ICS80-M is the cheapest version with manual cycle than the other unit working with fully automated cycle (mod. ICS80-A and ICS1850), however it can grant good productivity, with equivalent quality of internal cleaning.

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Cylinders before and after cleaning

## STANDARD ACCESSORIES

- > Shot-blasting nozzle for cylinders with M18, 25E and 17E threads
- > Shot-blasting pipe
- > Set of n° 1 bag of metallic microspheres
- > Inlet filter for air supply
- > Cartridge for separator filter
- > User manual



Complete view of the unit with the filter

## TECHNICAL SPECIFICATIONS

- > Required electric power supply: 400V 50Hz (different voltages on request)
- > Total installed power: ~6 kW
- > Air consumption: ~ 1500 l/min at 6-8 bar
- > Cylinder accepted diameters: 100 mm min / 270 mm max
- > Min accepted diameter with adapter on request: 70 mm
- > Cylinder height: 250 mm min / 850 mm max.

> PER MAGGIORI INFORMAZIONI:  
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