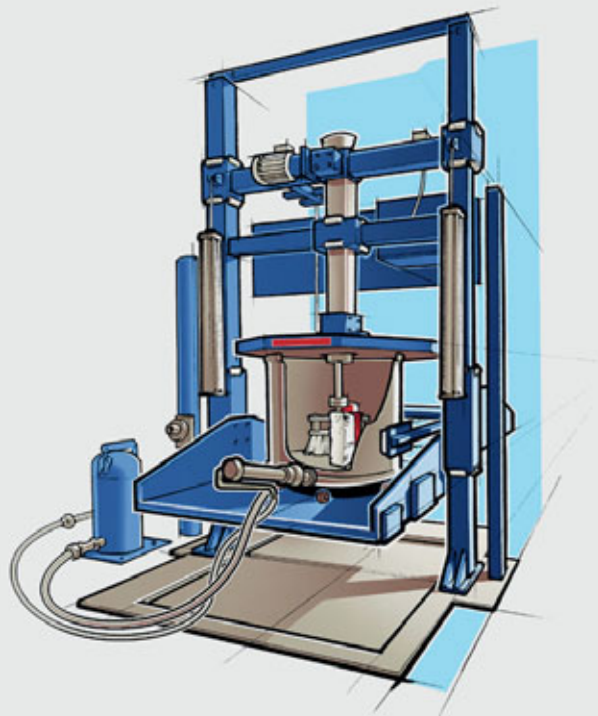
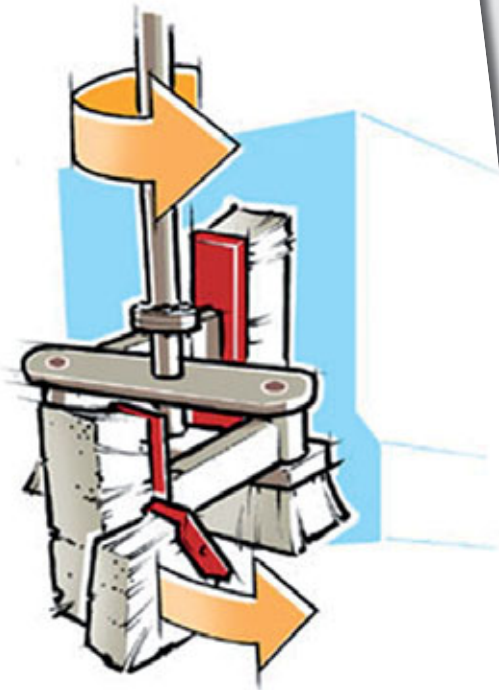




# Type Robus



## TYPE ROBUS

- Robust and user-friendly washing machine for inside cleaning of cylindrical and rectangular containers with brushes and simultaneous spraying with solvent, conductive brushes with type examination according to ATEX → no nitrogen inerting required
- Very good inside cleaning of cylindrical containers with a centrifugal folding brush.
- Inside cleaning of rectangular containers by a centrifugal brush with long bristles; by pressing a button on a rapid-action coupling, the operator can easily exchange the brush for a centrifugal folding brush
- Spraying system for washing with circulated solvent and rinsing with clean solvent.
- The brush is lowered into the container, and the upper container opening closed by the machine lid, by means of a pneumatic lifting frame
- Position sensor for the lid; spraying and brush rotation do not begin until the lid rests on the container
- Washing solvent in separate container, level switch for filling and draining
- Dirt resistant diaphragm pump as washing pump, separate pump for rinsing, pneumatic diaphragm pump for draining

- Filter with removable basket for protecting the evacuation pump and the solvent tank
- Flow monitor; the brush rotation does not start until solvent has been sprayed on the container to prevent dry friction
- Automatic washing program: washing – draining – rinsing – internal air extraction; program steps can be selected individually
- Explosion protection according to ATEX, category 1 (with type examination) for zone 0 inside, category 2 for zone 1 outside

## ACCESSORIES

- Centrifugal folding brush with active, reinforced contact pressure and much higher driving power, removes even very difficult residues
- 3D cleaning of rectangular containers with brushes rotating around 2 axes with variable speed and angle, better cleaning of inside container surfaces that are hard to reach for a conventional brush, such as corners, lid and floor
- Outlet cleaning system, manual or automatic
- Floor pan for the working area under the lifting frame

- Pneumatic lifting platform; the suction hose can be connected at a user-friendly height
- Pneumatic tilting of the machine (with the pneumatic lifting platform), better draining of containers with unfavorable floor/outlet geometry
- Electric clamping device
- Internal air extraction system, optionally with warm air drying for nonvolatile solvents
- Brush housing in the lid, reduced emissions during internal air extraction and drying
- External air extraction system, supplements/replaces the air extraction in the room/at the workplace
- Solvent concentration measuring and regulating system for connection to an exhaust air cleaning system

#### TYPE ROBUS-W

like model ROBUS, but with the following differences:

- Suitable for water-based/alkaline media
- Heating of the washing agent, heat insulation of the washing agent container
- Rinsing with water
- Explosion protection that is adapted to the washing agent with the washed-off contamination and to the requirements of the installation site

#### OPTION:

#### BRUSH WITH STAINLESS STEEL BRISTLES

The folding brush is not pressed against the container's lateral area just by centrifugal force but also by the driving torque of the brush shaft. The contact pressure on the bottom will also be increased.

The execution of the centrifugal force folding brush with stainless steel bristles can improve the washing result particularly with rough inner surfaces. This can be tested during trials in our show room. NOT suitable for aluminium containers or containers with smooth surfaces (surfaces will be roughed up by the stainless steel bristles).



# ROBUS

Washing machine type ROBUS	Size 1	Size 2	Size 3
Diameter container (inside)	600 – 1200 mm	750 – 1600 mm	900 – 2000 mm
Diameter container (outside)	1250 mm	1650 mm	2050 mm
Height of container (inside)	500 – 1300 mm	500 – 1500 mm	500 – 1700 mm
Max. total height	1500 mm	1700 mm	1900 mm
Capacity of wash pump	3 bar, 4 m³/h	3 bar, 4 m³/h	3 bar, 4 m³/h
Inner exhaust ROBUS	400 – 2200 m³/h, 2,5 kW	400 – 2200 m³/h, 2,5 kW	400 – 2200 m³/h, 2,5 kW
Inner exhaust ROBUS-W	600 m³/h, 1,5 kW	600 m³/h, 1,5 kW	600 m³/h, 1,5 kW
	<b>L x W x D</b>	<b>L x W x D</b>	<b>L x W x D</b>
Dimensions mm	2500 x 2020 x 4250	2800 x 2310 x 4650	3350 x 2650 x 6150
Required space mm	5500 x 4000 x 4500	5800 x 4500 x 5000	6300 x 5000 x 6500
Clearance for installation mm	4400 x 2700 x 1900	4900 x 3000 x 2200	5800 x 3500 x 2700