



OWM Parts Washer

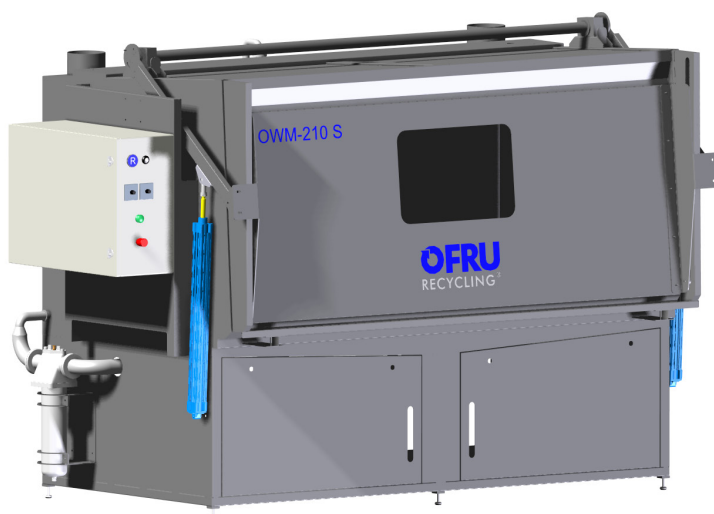
Function

The washing machine OWM is used as a parts washer to clean parts from the printing and converting industry. The parts washer is designed to wash parts including ink and coating pans, doctor blades, chambers, ink trays, pots and press and coating parts. The loading of the parts washer takes place from the front. The wash basket is driven out of the machine by hand of the wash chamber. After the loading the wash basket is pushed into the wash chamber and firmly locked. The front door is closed by two-hand control by means of press buttons and pneumatic cylinders. The wash process can be started.

The technical equipment includes several wash programs::

- Wash cycle, adjustable: 0-100 Minutes
- Drip off, adjustable: 0-10 Minutes
- Optional: Rinsing with fresh wash liquid, adjustable: 0-10 Minutes
- Waiting time or local customer provided exhaust ventilation, adjustable: 0-2 Minutes

The wash and the optional rinsing cleaner in the washing machine are stored in two separated stainless steel tanks. After starting of the wash programm a diaphragm pump pumps the liquid into the nozzle system. A stainless steel fine filter prevents a clogging of the nozzles.



During washing and optional rinsing a nozzle arm/frame constantly moves over the wash parts. The nozzles spray from different direction. Thus the wash process is optimal and the wash parts are better sprayed.

The sprayed wash liquid is collected in the bottom part of the wash chamber and flows back by natural inclination into the respective tank. If the wash liquid is too strongly polluted, it can be recycled by a OFRU distilling plant (Option).

Nozzel frame alarm:

In event of blocking at wash parts, an optical signal is displayed. The parts can be repositioned and the washing process can continue.

Pneumatic control:

Laterally at the washing machine are operating buttons for the door, timer module for the wash programs and emergency switch off.

Solvent extraction / Ventilation:

The washing machine has standard air vents that can be connected to a local suction-side construction. During the washing operation, this valve is closed. After wash process end this opens for 2 minutes. The door is unlocked and can be opened.





Technical Data

| Technical Data | OWM-150 S | OWM-210 S | OWM-250 S | OWM-270 S | OWM-380 S | OWM-540 S |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Protection class | Ex II 1 G c T6 | Ex II 1 G c T6 | Ex II 1 G c T6 | Ex II 1 G c T6 | Ex II 1 G c T6 | Ex II 1 G c T6 |
| Wash basket inside W x D x H approx. (Loading capacity) | 1500 x 1000 x 600 mm | 2100 x 1000 x 600 mm | 2500 x 1000 x 600 mm | 2000 x 1800 x 700 mm | 2500 x 1800 x 700 mm | 3000 x 1800 x 700 mm |
| Wash machine W x D x H approx. | 2500 x 1600 x 2600 mm | 3100 x 1600 x 2600 mm | 3500 x 1600 x 2600 mm | 3100 x 2200 x 2800 mm | 3600 x 2200 x 2800 mm | 4100 x 2200 x 2800 mm |
| Max. payload with parts | 200 kg | 300 kg | 300 kg | 500 kg | 500 kg | 500 kg |
| Wash tank volume approx. | 140 l | 220 l | 260 l | 400 l | 400 l | 400 l |
| (Optional) Rinse tank volume approx. | 140 l | 220 l | 260 l | 400 l | 400 l | 400 l |
| Feed pump for spray system | Pneumatic 300 l/min. | Pneumatic 300 l/min. | Pneumatic 300 l/min. | Pneumatic 300 l/min. | Pneumatic 300 l/min. | Pneumatisch 300 l/min. |
| Connection | Pneumatic processing | Pneumatic processing | Pneumatic processing | Pneumatic processing | Pneumatic processing | Pneumatische Steuerung |
| Air pressure consumption approx. | 6 bar max., 1500 l/min | 6 bar max., 1500 l/min | 6 bar max., 1500 l/min | 6 bar max., 1500 l/min | 6 bar max., 1500 l/min | 6 bar max., 1500 l/min |
| Exhaust air volume* | 1500 m³/h | 1500 m³/h | 1500 m³/h | 2000 m³/h | 2000 m³/h | 2000 m³/h |
| Noise | < 75 db(A) | < 75 db(A) | < 75 db(A) | < 75 db(A) | < 75 db(A) | < 75 db(A) |
| Weight approx. | ~1000 kg | ~1200 kg | ~1500 kg | ~1500 kg | ~1800 kg | ~2000 kg |

*Optionally, exhaust system provided by customer necessarily

Product benefits

- Automatic wash cycle in basic configuration with pneumatic timer setting
- Wash cycle, adjustable: 0-100 Minutes
- Drip off, adjustable: 0-10 Minutes
- Optional: Rinsing, adjustable: 0-10 Minutes
- Reliable pneumatic door opening with two-hand operation at the end of the washing process
- Moving nozzle frame/arm over wash parts
- Powerful diaphragm pump, for constant nozzle pressure, stainless steel fine filter in front
- Flat nozzles with high cleaning power
- Construction in stainless steel, AISI 1.4301
- One wash tank (wash process) with easy access for cleaning
- Integrated rinse tank with additional pump, piping and programm extension for rinsing optionally available.
- Integrated filter system for cleaner liquid (two filters in the rise option)
- Nozzle frame alarm in event of block of spray system on parts (light signal)

Manufactured by: FLEXO WASH ApS



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