

# HWM 21 / 200 and HWM 28 / 200



## The *real* power packs among the hot waterhigh pressure cleaners!

The hot water high pressure cleaners HW 21 / 200 and HW 28 / 200 are used in areas where high performance is required.

Heavy duty components ensure long life and safe use. The crankshaft pump with only 1,450 rpm is equipped with three all-ceramic pistons and stainless steel check valves. The valve housing is made of forged brass. As a result of the elaborate design principle and the flexible coupling between electric motor and high pressure pump, the machines run very smoothly.

Well-thought-out control mechanisms ensure reliable operation of the machines.

The high pressure pump provides high water capacities of 21 or 28 l / min at a maximum working pressure of 200 bar for excellent cleaning results. Strong impact forces make the machines even in cold water mode to real power packs.

The powerful boiler with stainless steel housing in vertical construction is designed for high flow rates. The boiler works very efficient.

In hot water mode even the most stubborn dirt has no chance. High-quality materials and numerous surveillance mechanisms ensure safe operation and long life.

The jetting equipment is functional and ready for hard work. If needed, the jetting equipment can be easily adapted to your needs.



| Technical Data                  | HWM 21/200          | HWM 28/200   |
|---------------------------------|---------------------|--------------|
| Maximum working pressure        | 200 bar / 2,900 psi |              |
| Flow rate                       | 1.260 l/h           | 1.680 l/h    |
|                                 | 4.62 gpm            | 6.16 gpm     |
| Maximum impact force            | 72 N                | 95 N         |
| Maximum water inlet temperature | 45°C / 113°F        |              |
| Maximum water temperature       | 65°C / 149°F        | 62°C / 144°F |
| Heating power                   | 81.000 kcal         | 88.000 kcal  |
| Voltage                         | 3~ 400 V - 50 Hz    |              |
| Rotary speed of pump            | 1,450 rpm           |              |
| Driving power                   | 7,5 kW              | 11 kW        |
| Current consumption             | 20 A                | 25 A         |
| Weight (ca.)                    | 212 kg              | 231 kg       |
| Dimensions ( L x B x H )        | 115 x 95 x 76 cm    |              |
| Standard Equipment              |                     |              |
| High pressure hose NW 10        | 20 m                |              |
| Electric cable                  | 5 m                 |              |
| Jetting gun with quick coupler  | +                   |              |
| Stainless steel twin lance      | +                   |              |
| Flat jet nozzle                 | +                   |              |
| Pressure gauge                  | +                   |              |
| Detergent Injector              | +                   |              |
| Adjustable thermostat           | +                   |              |
| Delayed automatic switch-off    | +                   |              |
| Safety valve                    | +                   |              |
| Stainless steel boiler housing  | +                   |              |
| Fuel control                    | +                   |              |
| Flame control                   | +                   |              |
| Decalcification appliance       | +                   |              |
| Integrated detergent tank       | +                   |              |

Changes reserved!

### دفتر مرکزی:

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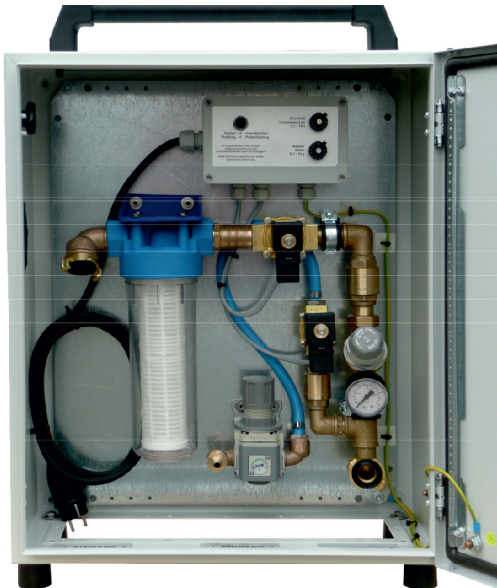
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## Air-water flushing unit DWS



Air-water flushing unit DWS

Water pipes tend over time to add deposits on the inside. Depending on the water quality, this can lead to complete blockage of the water pipes. The deposits also form an ideal breeding ground for germs and bacteria.

By (partially-) clogged and contaminated water pipes problems are preassigned - health problems caused by germs and bacteria, as well as technical problems on machines and equipment due to lack of water.

To counteract these problems, the air-water flushing unit DWS was developed. Deposits of all kinds can be removed from water pipes with little effort only.

The applied pulse flushing ensures reliable cleaning of the pipe network - in many cases without the addition of chemical products.

For operating of the air-water flushing unit DWS only one air compressor is needed.



Air-water flushing unit DWS

### Industry plants

### Sewage treatment

### Animal husbandry and hatcheries

### Food industry and food processing

### Hospitals and care facilities

- Reliable cleaning of the pipe network, e.g. from the water meter to all taps.
- Removal of biofilms and deposits from alluvial particles and chemical precipitates (rust, minerals, chalk).
- By eliminating the bacteria and potential pathogens from the pipe surface the breeding ground for them is removed. This ensures always clean and safe pipe networks.
- Many deposits can be flushed out without the addition of chemical products.
- The load on the pipe network is kept low because the process operates at the rated pressure of the pipe to be purged.
- Also applicable for hot water areas.
- Technical data:  
Dimensions: 27 x 50 x 71 cm  
Weight: 24 kg  
Voltage: 1~ 230 Volt  
Compressed air: max. 6 bar / min. 200 l/min

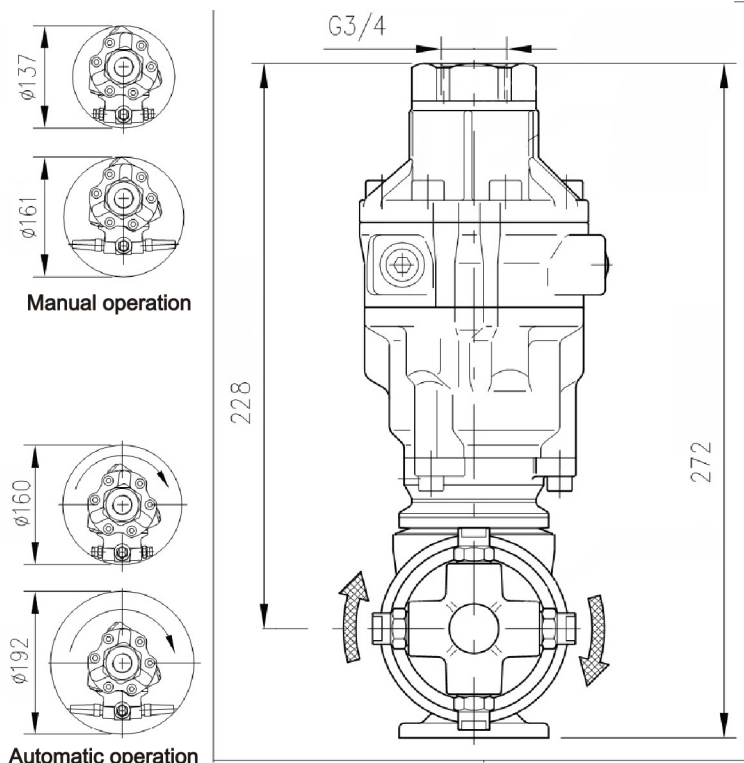
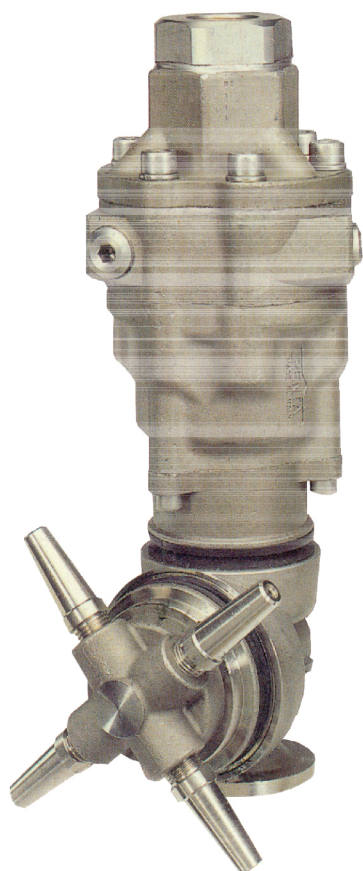
### Four pictures say more than words...



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نمابر: ۸۶۰۸۲۵۳۳

# Rotating tank cleaner, large



|                         | SDT 20-20                      | SDT 25-20   | SDT 30-20   | SDT 40-20   | SDT 50-20   | SDT 60-20   |
|-------------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Flow rate               | 15-21 l/min                    | 20-25 l/min | 25-30 l/min | 30-40 l/min | 40-50 l/min | 50-60 l/min |
| Min. operating pressure | 30 bar / 435 psi               |             |             |             |             |             |
| Nominal pressure        | 140 bar / 2,030 psi            |             |             |             |             |             |
| Max. pressure           | 160 bar / 2,320 psi            |             |             |             |             |             |
| Max. temperature        | 90°C / 194°F                   |             |             |             |             |             |
| Material                | Stainless steel (303 / 1.4305) |             |             |             |             |             |
| Rotating speed          | 10 - max. 20 rpm               |             |             |             |             |             |
| Weight                  | 6.100 g                        | 6.100 g     | 6.100 g     | 6.150 g     | 6.150 g     | 6.100 g     |

|                         | SDT 70-20                      | SDT 85-20   | SDT 120-20   |
|-------------------------|--------------------------------|-------------|--------------|
| Flow rate               | 60-70 l/min                    | 70-85 l/min | 85-120 l/min |
| Min. operating pressure | 30 bar / 435 psi               |             |              |
| Nominal pressure        | 140 bar / 2,030 psi            |             |              |
| Max. pressure           | 160 bar / 2,320 psi            |             |              |
| Max. temperature        | 90°C / 194°F                   |             |              |
| Material                | Stainless steel (303 / 1.4305) |             |              |
| Rotating speed          | 10 - max. 20 rpm               |             |              |
| Weight                  | 6.100 g                        | 5.900 g     | 6.900 g      |

|                         | SDT 50-120                     | SDT 70-120  |
|-------------------------|--------------------------------|-------------|
| Flow rate               | 40-50 l/min                    | 60-70 l/min |
| Min. operating pressure | 30 bar / 435 psi               |             |
| Nominal pressure        | 140 bar / 2,030 psi            |             |
| Max. pressure           | 160 bar / 2,320 psi            |             |
| Max. temperature        | 90°C / 194°F                   |             |
| Material                | Stainless steel (303 / 1.4305) |             |
| Rotating speed          | 60 - 120 rpm                   |             |
| Weight                  | 5.900 g                        | 6.700 g     |

## دفتر مرکزی: