

Barrier washer extractors

WS4/WSB4250H, WS4/WSB4350H,

WS4/WSB4500H, WS4/WSB4650H

Features and benefits

- Suitable for hygienic or clean room installations
- Suspended construction - no special foundation required
- Clarus Control microprocessor with nine fixed wash programs and up to 192 programs, free programming
- 5 compartment soap box for manual supply or connection to automatic liquid system
- Frequency controlled motor for variable drum speeds
- Interference filters and armoured cables for optimum safety and reliability
- Electric, gas, steam or thermal fluid heating

Main options

- Integrated load cells showing the weight in the display
- Stainless steel panels
- Clean room application
- Indirect steam heating



Images shown are a representation of the product only and variations may occur.

| Main specifications | | | | 250 | | | 350 | | | 500 | | | 650 | | |
|--|-------------|-------|--|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|------|
| Max. capacity | | kg/lb | | 25/55 | | | 35/77 | | | 50/110 | | | 65/143 | | |
| Drum | volume | litre | | 250 | | | 350 | | | 500 | | | 650 | | |
| Drum | diameter | ø mm | | 770 | | | 770 | | | 770 | | | 770 | | |
| Extraction | | rpm | | 910 | | | 910 | | | 910 | | | 910 | | |
| G-factor | | | | 350 | | | 350 | | | 350 | | | 350 | | |
| Heating alternatives | electricity | kW | | 18 | | | 27 | | | 36 | | | 54 | | |
| | steam | | | x | | | x | | | x | | | x | | |
| | gas | Btu/h | | 136500 | | | 136500 | | | 136500 | | | 136500 | | |
| Consumption data "Normal 60°C" with pre-wash* | | | | El | Steam | Gas | El | Steam | Gas | El | Steam | Gas | El | Steam | Gas |
| Water consumption (cold) | | litre | | 340 | 340 | 360 | 470 | 470 | 495 | 610 | 610 | 638 | 977 | 977 | 1005 |
| Energy consumption (motor/heating)* | | kWh | | 6 | 0.6 | 0.8 | 9.2 | 1 | 1.2 | 13.4 | 1.2 | 1.4 | 21 | 2 | 2.16 |
| Steam consumption | | kg | | - | 12 | - | - | 18 | - | - | 24.5 | - | - | 36 | - |

* Water temperature 15°C cold water.

Produced according to ISO 9001 and ISO 14001.

Certified with CB certificate for Low Voltage Directive and S-mark according to the Machinery Directive. Protection class IP X4D.

| Electrical connections* | | 250 | 350 | 500 | 650 | |
|---------------------------------------|---------------------------|----------------------------|----------|----------|------------|----------|
| Heating Voltage | | | | | | |
| El. | 400-415V 3 AC 50 Hz kW(A) | 21.7 (40) | 32 (63) | 42 (80) | 61.5 (100) | |
| Steam or gas | | 400-415V 3 AC 50 Hz kW(A) | 3.7 (16) | 4.8 (16) | 5.8 (16) | 7.8 (16) |
| Water, steam, gas and air connections | | | | | | |
| Water valves | DN | 20 | 20 | 20 | 20 | |
| Water pressure | kPa | 50-300 | 50-300 | 50-300 | 50-300 | |
| Capacity at 250 kPa | l/min | 70 | 70 | 70 | 70 | |
| Drain valve | ∅ mm | 75 | 75 | 75 | 75 | |
| Draining capacity | l/min | 240 | 240 | 240 | 240 | |
| Steam valve | DN | 20 | 20 | 20 | 20 | |
| Steam pressure | kPa | 300-600 | 300-600 | 300-600 | 300-600 | |
| Gas valve | DN | 20 | 20 | 20 | 20 | |
| Gas evacuation | ∅ mm | 125 | 125 | 125 | 125 | |
| Floor requirements | | | | | | |
| Frequency of the dynamic force | Hz | 0.767 | 0.767 | 0.767 | 0.767 | |
| Max transmitted floor load | daN | 935 | 1164 | 1547 | 2055 | |
| Sound levels | | | | | | |
| Airborne sound level | dB(A) | 73 | 73 | 73 | 73 | |
| Heat emission | | | | | | |
| % of installed power, max | | 5 | 5 | 5 | 5 | |
| Shipping data | | | | | | |
| Shipping volume | net, kg | 670 | 760 | 920 | 1080 | |
| | crated, kg | 820 | 895 | 1090 | 1255 | |
| | m ³ | 2.71 | 3.2 | 3.88 | 4.81 | |
| Dimensions in mm | | | | | | |
| A | Width | 1045 | 1285 | 1565 | 2000 | |
| B | Depth | 980 | 980 | 980 | 980 | |
| C | Height | 1610 | 1610 | 1610 | 1610 | |
| D | | 870 | 870 | 870 | 870 | |
| E | | 190 | 190 | 190 | 190 | |
| F | | 440 | 560 | 700 | 915 | |
| G | | 200 | 200 | 200 | 200 | |
| 1 Electrical connection | | 7 Liquid supply connection | | | | |
| 2 Cold water | | 8 Soap box | | | | |
| 3 Hot water | | 9 Loading door | | | | |
| 4 Cold soft water | | 10 Control panel | | | | |
| 5 Steam connection | | 11 Vent connection | | | | |
| 6 Drain | | | | | | |

* Other voltages available, see installation manual.

