

# 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 |       |      |
| <b>Consumption data "Normal 60°C" with pre-wash*</b> |             |       | 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.

| Electrical connections*               |                     |       | 250       | 350      | 500      | 650        |
|---------------------------------------|---------------------|-------|-----------|----------|----------|------------|
| Heating Voltage                       |                     |       |           |          |          |            |
| EI.                                   | 400-415V 3 AC 50 Hz | kW(A) | 21.7 (40) | 32 (63)  | 42 (80)  | 61.5 (100) |
| Steam                                 | 400-415V 3 AC 50 Hz | kW(A) | 3.7 (16)  | 4.8 (16) | 5.8 (16) | 7.8 (16)   |
| or gas                                |                     |       |           |          |          |            |
| 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                           | ø 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                        | ø 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                         |                     |       |           |          |          |            |
|                                       | net, kg             |       | 670       | 760      | 920      | 1080       |
|                                       | crated, kg          |       | 820       | 895      | 1090     | 1255       |
| Shipping volume                       | m <sup>3</sup>      |       | 2.71      | 3.2      | 3.88     | 4.81       |
| Dimensions in mm                      |                     |       |           |          |          |            |
| <b>A</b> Width                        |                     |       | 1045      | 1285     | 1565     | 2000       |
| <b>B</b> Depth                        |                     |       | 980       | 980      | 980      | 980        |
| <b>C</b> Height                       |                     |       | 1610      | 1610     | 1610     | 1610       |
| <b>D</b>                              |                     |       | 870       | 870      | 870      | 870        |
| <b>E</b>                              |                     |       | 190       | 190      | 190      | 190        |
| <b>F</b>                              |                     |       | 440       | 560      | 700      | 915        |
| <b>G</b>                              |                     |       | 200       | 200      | 200      | 200        |
| <b>1</b> Electrical connection        |                     |       |           |          |          |            |
| <b>2</b> Cold water                   |                     |       |           |          |          |            |
| <b>3</b> Hot water                    |                     |       |           |          |          |            |
| <b>4</b> Cold soft water              |                     |       |           |          |          |            |
| <b>5</b> Steam connection             |                     |       |           |          |          |            |
| <b>6</b> Drain                        |                     |       |           |          |          |            |
| <b>7</b> Liquid supply connection     |                     |       |           |          |          |            |
| <b>8</b> Soap box                     |                     |       |           |          |          |            |
| <b>9</b> Loading door                 |                     |       |           |          |          |            |
| <b>10</b> Control panel               |                     |       |           |          |          |            |
| <b>11</b> Vent connection             |                     |       |           |          |          |            |

\* Other voltages available, see installation manual.

