

# Washer extractor

## W4600H, W4850H, W41100H

### Features and benefits

- High extraction force for efficient dewatering
- Clarus Control® fully programmable, microprocessor with up to 192 programs
- Large door opening for easy loading/unloading
- Prepared for 13 liquid detergent signals
- Eight liquid supply connections
- Stainless steel in all vital parts for high degree of rust protection
- Stainless steel front panels and powder painted side panels
- Direct steam heating
- Electrical heating (only W4600H)
- Frequency controlled motor for max. versatility
- Oil lubrication of bearing gaskets
- Designed for easy service and maintenance
- SuperBalance™ guarantees the correct extraction force

### Main options

- Forward tilting or forward/backward tilting with full controlled reversing action
- Noise/heat insulation, <70 dB(A)
- Test tap with level tube
- Dual drain valves for water/solvent recovery
- Five-compartment supply injector
- Third water valve
- Large water valves (DN 50/2") (not W4600H)
- Integrated Weighing System™ (IWS)
- Oil lubrication of bearing gaskets with warning for empty container
- Connection of intelligent detergent systems (DMIS)



| Main specifications                |             |  |    | W4600H        | W4850H         | W41100H        |
|------------------------------------|-------------|--|----|---------------|----------------|----------------|
| Max. capacity                      | kg/lb       |  |    | 65/135        | 90/200         | 120/250        |
| Drum, volume                       | litre/ft³   |  |    | 600/21.2      | 850/30         | 1100/38.8      |
| diameter                           | ø mm/inch   |  |    | 980 / 38 9/16 | 1220 / 48 1/16 | 1220 / 48 1/16 |
| Extraction                         | rpm         |  |    | 800           | 720            | 663            |
| G-factor                           |             |  |    | 350           | 350            | 300            |
| Heating alternatives               | steam       |  |    | x             | x              | x              |
|                                    | non-heated  |  |    | x             | x              | x              |
|                                    | electricity |  | kW | 36 or 54      | -              | -              |
| Consumption data "WARM" (7G02) *   |             |  |    | Steam**       | El 36 kW       | El 54 kW       |
| Total time (cold+hot/cold)         | min         |  |    | 42/49         | 44/-           | 43/-           |
| Water consumption (cold+hot)       | litre       |  |    | 563+171       | 563/171        | 563/171        |
|                                    | gallon      |  |    | 149+45        | 149+45         | 149+45         |
| Energy consumption (motor/heating) | kWh         |  |    | 1.2/-         | 1.2/2.4        | 1.2/2.4        |
| Steam consumption (cold+hot)       | kg/lbs      |  |    | 3.6           | -              | -              |
| Steam consumption (cold)           | kg/lbs      |  |    | 19            | -              | -              |
|                                    |             |  |    |               | 4.8/10.6       | 6.4/14.1       |
|                                    |             |  |    |               | 25.8/57        | 30.9/68.1      |

\* Water temperature 59°F cold water and 149°F hot water.

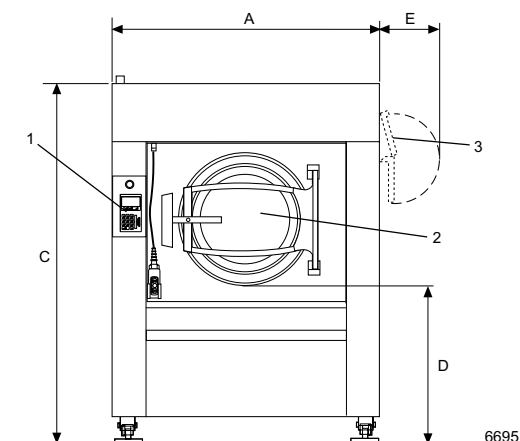
\*\* Steam at 44-58 psi.

| Electrical connections*          |                       |       | W4600H               | W4850H               | W41100H              |
|----------------------------------|-----------------------|-------|----------------------|----------------------|----------------------|
| Heating<br>EI                    | Voltage               |       |                      |                      |                      |
|                                  | 208-240V 3AC 60 Hz    | kW(A) | 38 (100)             | –                    | –                    |
|                                  | 208-240V 3AC 60 Hz    | kW(A) | 56 (160)             | –                    | –                    |
|                                  | 440V 3AC 60 Hz        | kW(A) | 38 (63)              | –                    | –                    |
|                                  | 440V 3AC 60 Hz        | kW(A) | 56 (80)              | –                    | –                    |
| Steam or<br>non-heated           | 208-240V 3AC 60 Hz    | kW(A) | 4 (15)               | 6.7 (20)             | 5.3 (20)             |
|                                  | 440V 3AC 60 Hz        | kW(A) | 4 (15)               | 6.7 (15)             | 5.3 (15)             |
| Water, steam and air connections |                       |       |                      |                      |                      |
| Water valves                     | inch                  |       | 1 1/4                | 1 1/2                | 1 1/2                |
| Rec. Water pressure              | psi                   |       | 30-90                | 30-90                | 30-90                |
| Function limits for water valve  | psi                   |       | 10-145               | 10-145               | 10-145               |
| Capacity at 300 kPa              | l/min / gallon/min    |       | 150/37               | 200/53               | 200/53               |
| Drain valve                      | ø mm/inch             |       | 110 / 4 5/6          | 110 / 4 5/6          | 110 / 4 5/6          |
| Draining capacity                | l/min / gallon/min    |       | 400/100              | 400/100              | 400/100              |
| Steam valve                      | inch                  |       | 3/4                  | 1/2                  | 1/2                  |
| Rec. Steam pressure              | psi                   |       | 45-90                | 45-90                | 45-90                |
| Function limits for steam valve  | psi                   |       | 8-120                | 8-120                | 8-120                |
| Compressed air                   | inch                  |       | 1/8                  | 1/8                  | 1/8                  |
| Air pressure                     | psi                   |       | 30-60                | 30-60                | 30-60                |
| Air consumption                  | l/h / gallon/h        |       | 20/5                 | 20/5                 | 20/5                 |
| Floor requirements               |                       |       |                      |                      |                      |
| Frequency of the dynamic force   | Hz                    |       | 12.7                 | 12.0                 | 11.1                 |
| Max floor load at extraction     | kN                    |       | 15.9±6.4             | 22±7.3               | 24±7.3               |
| Sound levels                     |                       |       |                      |                      |                      |
| Sound level                      | dB(A)                 |       | 76                   | 73                   | 73                   |
| Sound level, with insulation     | dB(A)                 |       | < 70                 | < 70                 | < 70                 |
| Heat emission                    |                       |       |                      |                      |                      |
| % of installed power, max 90°    |                       |       | 6                    | 6.7                  | 6.8                  |
| Shipping data                    |                       |       |                      |                      |                      |
| Shipping volume                  | net, kg/lbs<br>m³/ft³ |       | 1380/3042<br>5.7/201 | 2200/4850<br>7.6/269 | 2300/5071<br>8.4/297 |

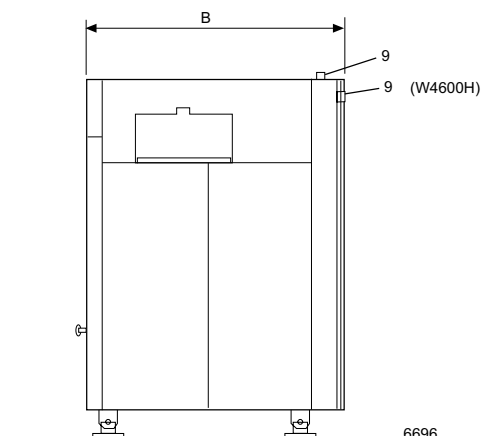
\* Other voltages available, see installation manual.

| Dimensions in mm/inch |        | W4600H         | W4850H          | W41100H         |
|-----------------------|--------|----------------|-----------------|-----------------|
| <b>A</b>              | Width  | 1390 / 54 3/4  | 1640 / 64 9/16  | 1640 / 64 9/16  |
| <b>B</b>              | Depth  | 1585 / 62 3/8  | 1635 / 64 3/8   | 1850 / 72 13/16 |
| <b>C</b>              | Height | 2015 / 79 5/16 | 2230 / 87 13/16 | 2230 / 87 13/16 |
| <b>D</b>              |        | 910 / 35 13/16 | 995 / 39 3/16   | 995 / 39 3/16   |
| <b>E</b>              |        | 300 / 11 13/16 | 380 / 14 15/16  | 380 / 14 15/16  |
| <b>F</b>              |        | 1865 / 73 7/16 | 2135 / 84 1/16  | 2135 / 84 1/16  |
| <b>G</b>              |        | 270 / 10 5/8   | 1070 / 42 1/8   | 1070 / 42 1/8   |
| <b>H</b>              |        | 660 / 26       | 830 / 32 11/16  | 830 / 32 11/16  |
| <b>I</b>              |        | 525 / 20 11/16 | 635 / 25        | 635 / 25        |
| <b>K</b>              |        | 425 / 16 3/4   | 445 / 17 1/2    | 445 / 17 1/2    |
| <b>L</b>              |        | 960 / 37 13/16 | 1140 / 44 7/8   | 1140 / 44 7/8   |
| <b>M</b>              |        | 1425 / 56 1/8  | 1660 / 65 3/8   | 1660 / 65 3/8   |
| <b>N</b>              |        | 420 / 16 9/16  | 435 / 17 1/8    | 435 / 17 1/8    |
| <b>O</b>              |        | 435 / 17 1/8   | 820 / 32 5/16   | 820 / 32 5/16   |
| <b>P</b>              |        | 2200 / 86 5/8  | 2410 / 94 7/8   | 2400 / 94 1/2   |
| <b>R</b>              |        | 1120 / 44 1/8  | 1175 / 46 1/4   | 1160 / 45 11/16 |
| <b>S</b>              |        | 2225 / 87 5/8  | 2480 / 97 5/8   | 2480 / 97 5/8   |
| <b>T</b>              |        | 935 / 36 13/16 | 960 / 37 13/16  | 955 / 37 5/8    |
| <b>U</b>              |        | 300 / 11 13/16 | 285 / 11 1/4    | 240 / 9 7/16    |
| <b>V</b>              |        | 325 / 12 13/16 | 400 / 15 3/4    | 335 / 13 3/16   |

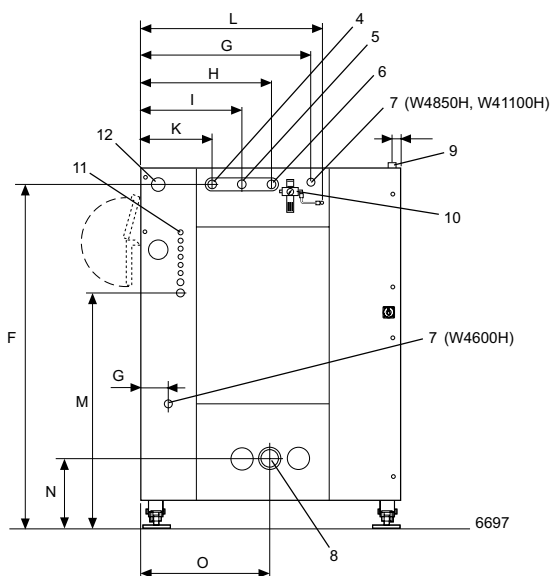
- 1** Control panel
- 2** Door opening  $\varnothing$  700 / 27 9/16 inch (W4850H, W41100H),  $\varnothing$  535 / 21 1/6 inch (W4600H)
- 3** Soap supply injector, powder (optional)
- 4** Cold water connection
- 5** Hot water connection
- 6** Third water connection (optional)
- 7** Steam connection
- 8** Drain
- 9** Electrical connection
- 10** Compressed air
- 11** External liquid supply, 6 pcs  $\varnothing$  10, 1 pc  $\varnothing$  16 and 1 pc  $\varnothing$  20
- 12** Water connection, soap supply injector (optional)



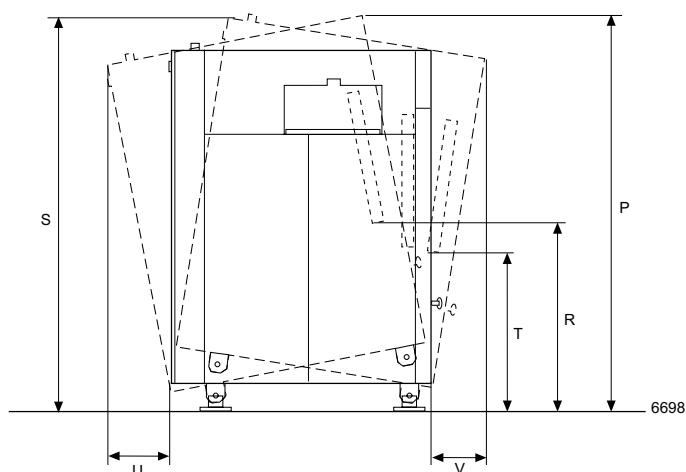
Front



Right side



Rear side



The movement when tilting

## Options

- Forward or forward/backward tilting device – for easy unloading with drum reversing into trolley.
- Noise/heat insulation – reduce the airborne sound to less than 70 dB(A).
- Test tap with level tube – gives possibilities to take samples from the wash liquid.
- Water/solvent recovery system – two drain valves to be able to recover water from the rinses and reuse it in the wash.
- Five-compartment supply injector (5x2 litres), right hand side (only W4850H, W41100H).
- Five compartment supply injector (5x1 litre), front mounted (only W4850H, W41100H), front or side mounted (only W4600H).
- Oil lubrication of bearing gaskets with warning for empty container.
- Large water valves (DN 50/2") (not W4600H).
- Connection of intelligent detergent system (DMIS).
- Third water valve - electrically controlled water valve for e.g hard water.
- Connection details for steam.
- Connection details for 2 water.
- Connection details for 3 water.
- Integrated Weighing System (IWS) – shows the weight of the load on the program display.
- Combined steam and electrical heated - gives possibilities to choose between electrical or steam heating by using a switch (only W4600H).
- Water inlet via pump-extra water inlet for water supply controlled by a pump from a recovery system.

## Accessory

- Kit for connection to CMIS (Certus Management Information Systems) network. CMIS provides vital statistics, error codes, maintenance intervals, process receipt, etc.



CMIS can be fitted to washer extractors with Clarus Control, tumble dryers with Selecta Control and ironers with electronic control system. All you need to access and view the statistical feedback is a normal PC.