

# Washer extractor

## FOM71 CLS

### Features and benefits

- Meets IEC and ISO international standards.
- Suitable for testing washing effects of detergents and chemicals and for textile quality control.
- Suspended drum construction allows a high extraction force. No foundation required.
- Small space between outer/inner drum for efficient use of water and detergent.
- Dual water control of volume (weight) and level.
- Built in scale for precise volume control, accuracy:
  - volume control +/- 0.2 litre/bath
  - level control +/- 0.8 litre/bath
- Equipped with Clarus Control® - a fully programmable electronic timer.
- Frequency controlled motor system for flexibility in programming and precise speed.
- Test tap for water samples.
- Stainless steel drum assembly, front, side and top panel.



### Main options

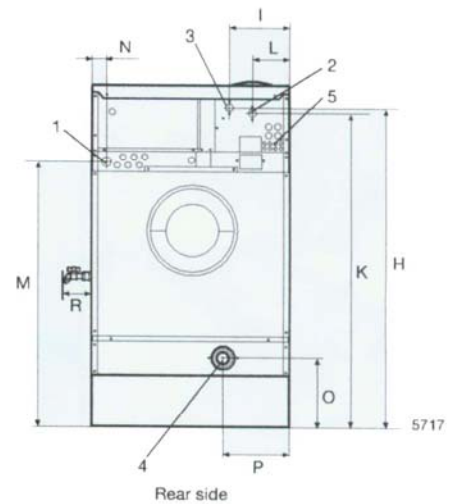
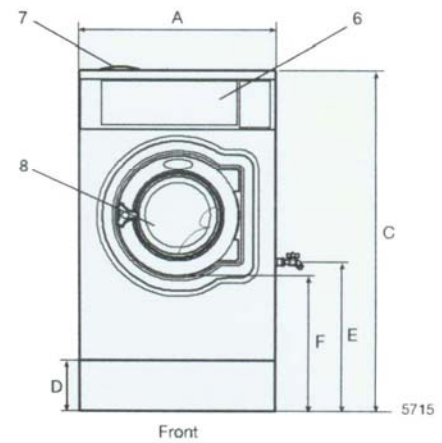
- WPM (Wash Program Manager) PC programming kit in Windows.
- Extra program memory cards.

Main specifications				FOM71 CLS
Drum, volume		litre		61
	diameter	ø mm		520
Extraction, max		rpm		1100
G-factor, max				350
Heating	electricity	kW		5.4

*Certified in accordance with ISO 9001 and ISO 14001 and approved IP 24D.*

Electrical connections*		FOM71 CLS	
Heating	Voltage		
El.	230V 3AC 50 Hz	kW(A)	5.7(16)
	400-415V 3N AC 50 Hz	kW(A)	5.7(10)
	415V 3N AC 50 Hz	kW(A)	5.7(10)
<b>Water and steam connection</b>			
Water valves	DN		20
Water pressure	kPa		150-400
Capacity at 300 kPa	l/min		20
Drain valve	ømm		50/75
Draining capacity	l/min		150
Liquid detergent supplies			4
<b>Floor requirements</b>			
Frequency of the dynamic force	Hz		18.3
Max floor load at extraction	kN		1.6±0.5
<b>Sound levels</b>			
Airborne sound level	dB(A)		71
<b>Shipping data</b>			
Weight	net, kg		195
	crated, kg		211
Shipping volume	m <sup>3</sup>		0.89
<b>Accessories</b>			
Hose connection kit for water			x
<b>Dimensions in mm</b>			
A	Width		720
B	Depth		690
C	Height		1315
D			200
E			750
F			555
G			720
H			1230
I			220
K			1010
L			135
M			825
N			45
O			100
P			240
R			135
1	Electrical connection	6	Control panel
2	Cold water	7	Soap box
3	Hot water	8	Door opening ø310
4	Drain		
5	Liquid supply connections		

\* Other voltages available



## Function/subsystem

<b>Ambient conditions</b>	
The machine shall be able to function during the same ambient conditions as normal washing machines. The functional values with tolerances will be valid if following ambient conditions are kept.	
Voltage	Nominal $\pm 2\%$
Frequency	Nominal $\pm 2\%$
Inlet water Cold	$(15 \pm 2) ^\circ\text{C}$
Hot	Max $(60 \pm 2) ^\circ\text{C}$
Water pressure	$(240 \pm 50) \text{ kPa}$
Ambient temperature	$(20 \pm 5) ^\circ\text{C}$
<b>Inner drum</b>	
Diameter	$(520 \pm 1) \text{ mm}$
Depth	$(315 \pm 1) \text{ mm}$
Volume	61 l
Lifting vanes: Number	3
Height	53 mm
Radius	17 mm
Base width	65 mm
Perforation: Diameter	5 mm
Depth of countersink	2.5 mm
Total hole area	600 cm <sup>2</sup>
Material: Stainless steel	2333 (SS 18/8)
<b>Outer drum</b>	
Diameter	554 mm
Sump	~ $(1300 \pm 25) \text{ ml}$
Material: Stainless steel	2333 (SS 18/8)
<b>Door opening</b>	
Opening diameter	310 mm
<b>Cabinet</b>	
Stainless steel	2333 (SS 18/8)
<b>Drum speed</b>	
Washing speed: Programmable	$(20 - 59 \pm 1) \text{ RPM}$
Extraction: Programmable	$(200 - 1100 \pm 20) \text{ RPM}$
<b>Reversing rythm</b>	
Programmable	$(0 - 250 \pm 0.1) = \text{sec.}$ (Tolerance area refers to timer intervals)
<b>Water level</b>	
Weight sensing	
Repeatability	$\leq \pm 0.1 \text{ kg/bath}$
Stepsize	0.05kg
Dosing accuracy weight control	$\leq \pm 0.2 \text{ kg/bath}$
Level sensing:	
Repeatability	$\leq \pm 5 \text{ mm}$
Stepsize	3 mm
Dosing accuracy level control	$\leq \pm 0.8 \text{ litre/bath}$
<b>Thermostat</b>	
Continuos variable in each wash sequence	Yes
Selectable interval	$(4-97) ^\circ\text{C}$
Programming steps	1 $^\circ\text{C}$
Switch off temperature accuracy in Interval 30-97 $^\circ\text{C}$	$\pm 1 ^\circ\text{C}$
Interval switch off temperature – switch on temperature	$\leq 4 ^\circ\text{C}$