

FAST SPIN WASHER EXTRACTORS

**WFF65**

**WFF75**

**WFF100**

**WFF135**

**WFF150**

**WFF165**

**WFF185**

**WFF235**

**WFF305**





# WFF 65 - 75 - 100 - 135 - 150 - 165 - 185 - 235 - 305

## **WFF: Hard mount & frequency controlled**

- New range of standard frequency controlled hard mount washer extractors
- WFF-models: fast spin speeds (145-165G)



## **Door**

- Easy loading & unloading
- Over-dimensioned hinges
- Stainless steel with a matt finish
- Door handle: safe, ergonomic & comfortable

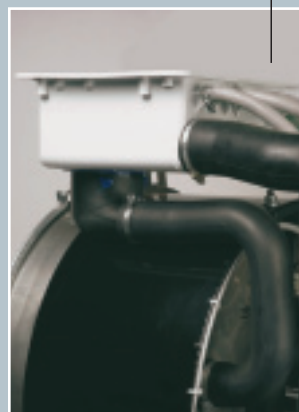
## **PVC connection**

- Simple and efficient connection of the soap pumps



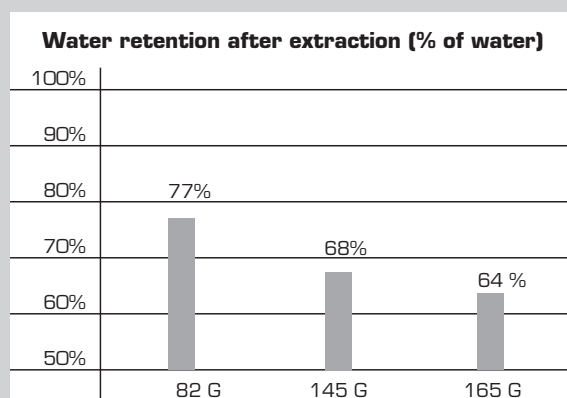
## **Connection from the soap box to the tub**

- Connection at the back of the tub
- No aggressive detergents directly on the linen
- Less noise

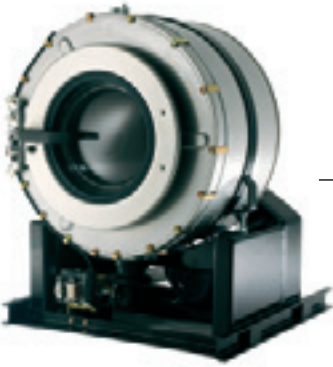


## **Extraction vs residual moisture**

- The higher the G-Force during extraction, the lower the water retention of the fabrics being processed
- A higher G-Force will reduce the gas or electricity used during the drying process
  - > reduced drying and finishing time
  - > reduced linting
  - > extended linen life
- High speed extraction can eliminate preconditioning of items to be ironed
  - > energy save
  - > increased production

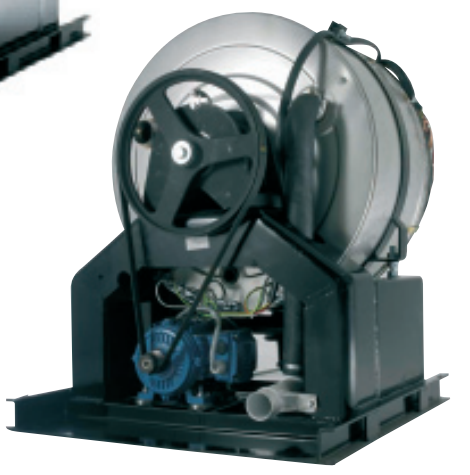


\* Test done with load of 30kg (100% cotton)



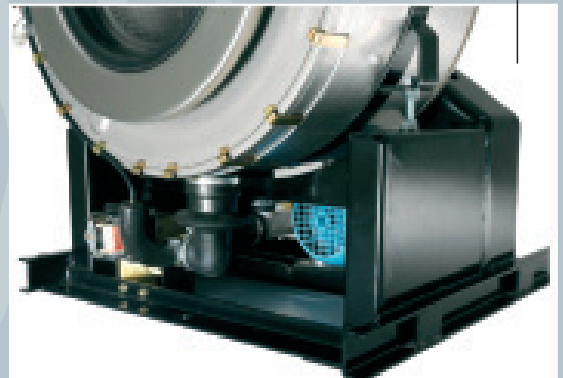
### **Famous A-frame construction**

- Very solid construction
- Frame: made out of welded structural steel
- Conducts the vibrations straight into the ground & maximizes stability



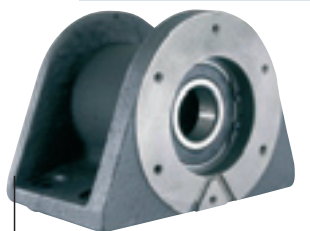
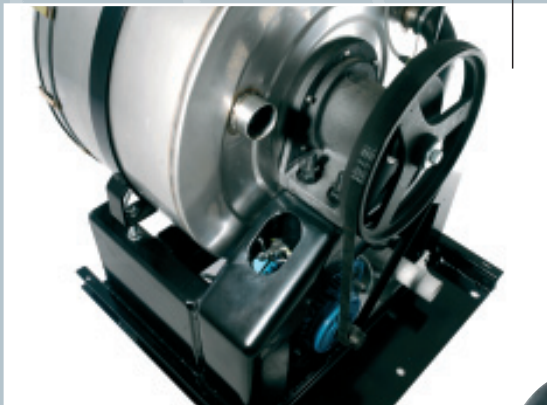
### **Drain valve in front directly under the tub**

- Less water consumption
- Easily accessible from the front
- Self-cleaning water level hose



### **Poly V-belt: Unique concept:**

- Elastic
- Self tensioning
- Easy to install/replace
- Longer life span
- Less noise



### **Heavy-duty bearing house**

- Oversized industrial bearing house
- Single piece of cast iron
- Rigid support to the basket
- High quality industrial bearings
- Axial sealing made out of graphite: proven IPSO concept

### **Standard inverter drive**

- Washing and spin speeds freely programmable
- Rotation and stop time freely programmable from 0,1 till 60 sec
- Low sound level
- Less unbalances
- Less current peaks
- ⇒ Longer life span of your IPSO washer extractor





# WFF 65 - 75 - 100 - 135 - 150 - 165 - 185 - 235 - 305

## **MICRO 20**

- Easy to use
- Up to 99 programmes
- Temperature and water level freely programmable
- Time delay start-up feature

## **MICRO 20 coin**

- Up to 20 programmes

## **SIGMA**

- Same features as Micro 20
- Infra-red port:  
easy downloading of programmes from laptop
- Serial port RS 485:  
machines can be put in a network
- 1000 programmable sections divided over 100 programmes

## **SIGMA coin**

- Alarm can be activated



## **PS40**

- Freely programmable
- 10 standard programmes
- 40 freely programmable wash programmes
- Temperature, water level, cycle time and rpm freely programmable
- Connection up to 12 pumps for liquid soap
- Control of 2 drain valves (option)
- Infra-red port facilitates the downloading of programmes

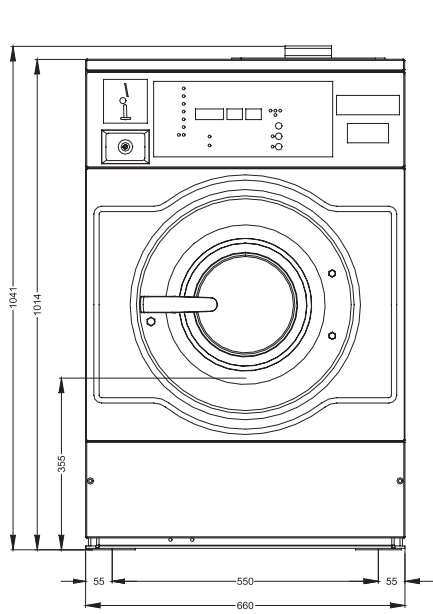


## **Cygnus Professional**

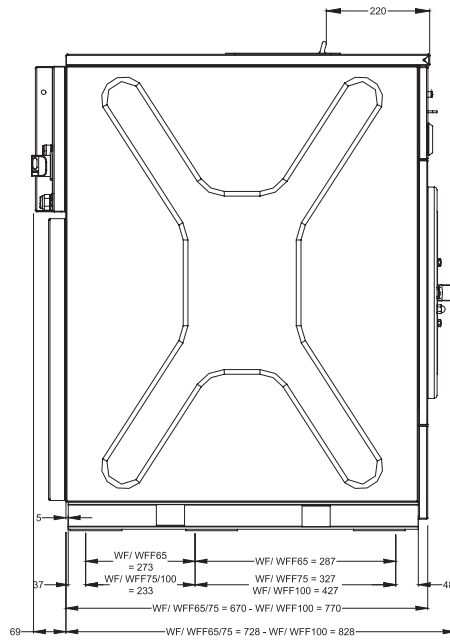
Cygnus Professional allows modification of wash data & parameters at any time, even during the wash cycle.

- Large LCD-display: easily understandable
- Possibility to consult the complete history/logbook of all wash facts on the display
- Extensive help-function: extensive assistance to solve the error

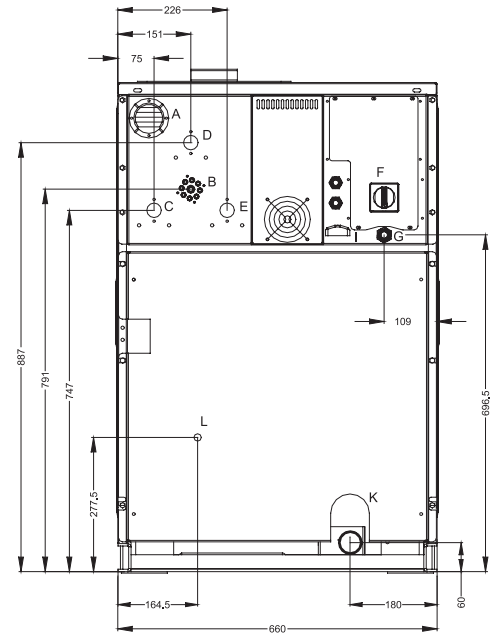
**front view WFF 65/75/100**



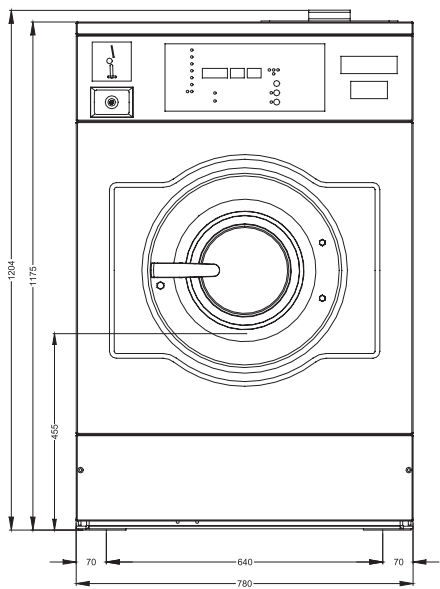
**side view WFF 65/75/100**



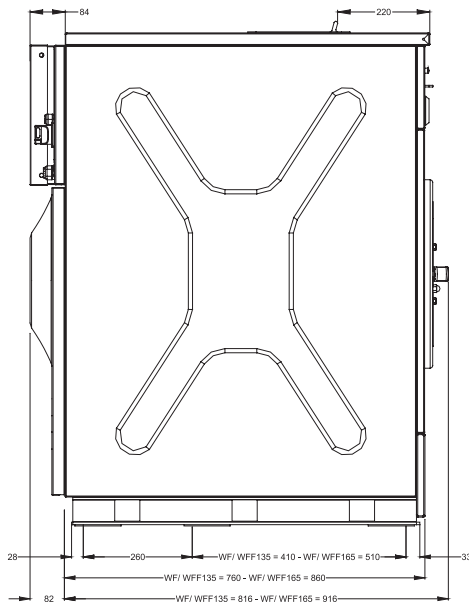
**back view WFF 65/75/100**



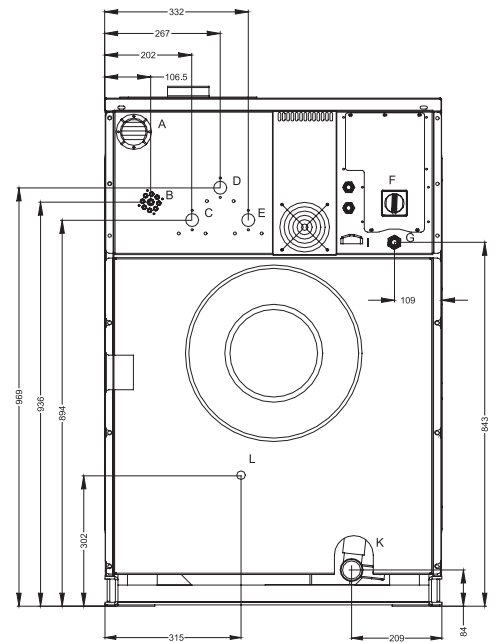
**front view WFF 135/165**



**side view WFF 135/165**



**back view WFF 135/165**



A. Ventilation soap dispenser  
 B. Liquid soap connetions  
 C. Hard water connections 3/4"

D. Warm water connections 3/4"  
 E. Soft water connections 3/4"  
 F. Connections clamps

G. Electrical connections  
 I. Ventilation tub  
 J. Bolt pattern for fixation  
 K. Drain valve

# TECHNICAL SPECIFICATIONS WFF 65 - 75 - 100 - 135 - 165

		WFF 65	WFF 75	WFF 100	WFF 135	WFF 165										
Cylinder	Capacity 1/9 (kg)	7,2	8,1	10,5	14,6	18,3										
	Capacity 1/10 (kg)	6,5	7,3	9,5	13,2	16,5										
	Volume (L)	65	73	95	132	165										
	Diameter (mm)	530	530	530	650	650										
	Depth (mm)	295	330	440	400	500										
	Perforations diam. (mm)	3	3	3	3	3										
Door opening diam. (mm)		300	300	300	300	300										
Height under door (mm)		282	282	282	377	377										
Speed	Spin (rpm)	250 - 700	250 - 700	250 - 700	250 - 632	250 - 632										
	Wash (rpm)	10 - 50	10 - 50	10 - 50	10 - 50	10 - 50										
G-Force		145	145	145	145	145										
Kinetic energy of the cylinder (N/m)		528	592	770	1035	1294										
Dynamic bottom load (N/Hz)		1550/11,7	1788/11,7	2383/11,7	2296/10,5	3003/10,5										
Power motor (kW)		0,55	0,55	0,55	1,1	1,1										
Water pressure (bar)		3 - 5	3 - 5	3 - 5	3 - 5	3 - 5										
Hot water temp (°C)		80	80	80	80	80										
Warm water need (Boiler fed) (L/cycle)		55	65	80	120	120										
Diameter drain (mm) **		50 (2")	50 (2")	50 (2")	50 (2")	50 (2")										
Drain by gravity (L/min)		80	80	80	80	80										
Steam connection (")		3/8	3/8	3/8	3/8	3/8										
Steam pressure (bar)		2,0 - 5,5	2,0 - 5,5	2,0 - 5,5	2,0 - 5,5	2,0 - 5,5										
Weight	Nett (kg)	174	181	200	280	298										
	Gross (kg)	192	196	209	293	310										
Dimensions	Height (mm)	1014	1014	1014	1175	1175										
	Width (mm)	660	660	660	780	780										
	Depth (mm)	670	670	770	760	860										
Packing dimensions	Height (mm)	1170	1170	1170	1350	1350										
	Width (mm)	730	730	730	850	850										
	Depth (mm)	840	840	950	950	1020										
	Volume (m <sup>3</sup> )	0,72	0,72	0,81	1,09	1,17										
Type of heating		POWER SUPPLY – FUSES														
		230V 3AC	230V tri+N	400V tri+N	230V 3AC	230V tri+N	400V tri+N	230V 3AC	230V tri+N	400V tri+N	230V 3AC	230V tri+N	400V tri+N			
Boiler fed		16A			16A			16A			16A			16A		
Steam heating		16A			16A			16A			16A			16A		
Electrical heating 3 kW		20A			20A			20A								
Electrical heating 4,2 kW		25A 20A 16A			25A 20A 16A			25A 20A 16A								
Electrical heating 6 kW		32A* 25A* 16A*			32A 25A 16A			32A 25A 16A			40A 20A 16A			40A 20A 16A		
Electrical heating 9 kW		50A 32A 20A			50A* 32A* 20A*			50A* 32A* 20A*			50A 32A 20A			50A 32A 20A		
Electrical heating 12 kW					25A			25A			25A			40A* 25A*		
Electrical heating 15 kW											40A 25A			50A 32A		
Electrical heating 18 kW											63A 32A			63A* 32A*		
Electrical heating 21 kW											40A			40A		
Electrical heating 24 kW											50A			50A		

All specifications subject to change without notice

\* Standard heating

\*\* Diameter drain 75 mm (3") optionally available from WFF75 till WFF 185

A. Ventilation soap dispenser  
B. Liquid soap connections  
C. Hard water connections 3/4"

D. Warm water connections 3/4"  
E. Soft water connections 3/4"  
F. Connections clamps

G. Electrical connections  
I. Ventilation tub  
J. Bolt pattern for fixation  
K. Drain valve





# TECHNICAL SPECIFICATIONS WFF 150 - 185 - 235 - 305

		WFF 150	WFF 185	WFF 235	WFF 305								
Cylinder	Capacity 1/9 (kg)	16,1	20,1	26	33,7								
	Capacity 1/10 (kg)	14,5	18,1	23,4	30,4								
	Volume (L)	145	181	234	304								
	Diameter (mm)	680	680	750	850								
	Depth (mm)	400	500	530	537								
	Perforations diam. (mm)	3	3	3	3								
Door opening diam. (mm)		400	400	400	400								
Height under door (mm)		298	298	411	402								
Speed	Spin (rpm)	250 - 659	250 - 659	250 - 628	250 - 590								
	Wash (rpm)	10 - 50	10 - 50	10 - 50	10 - 50								
G-Force		165	165	165	165								
Kinetic energy of the cylinder (N/m)		1237	1543	2305	2620								
Dynamic bottom load (N/Hz)		3267/11	4431/11	5231/10,5	7261/9,8								
Power motor (kW)		1,5	1,5	2,2	3								
Water pressure (bar)		3 - 5	3 - 5	3 - 5	3 - 5								
Hot water temp (°C)		80	80	80	80								
Warm water need (Boiler fed) (L/cycle)		110	130	150	180								
Diameter drain (mm) **		50 (2")	50 (2")	75 (3")	75 (3")								
Drain by gravity (L/min)		160	160	160	160								
Steam connection (")		3/8	3/8	1/2	1/2								
Steam pressure (bar)		2,0 - 5,5	2,0 - 5,5	2,0 - 5,5	2,0 - 5,5								
Weight	Nett (kg)	306	307	383	534								
	Gross (kg)	328	329	443	584								
Dimensions	Height (mm)	1175	1175	1351	1386								
	Width (mm)	780	780	860	990								
	Depth (mm)	760	860	927	1055								
Packing dimensions	Height (mm)	1350	1350	1550	1610								
	Width (mm)	850	850	970	1120								
	Depth (mm)	950	1020	1140	1300								
	Volume (m³)	1,09	1,17	1,71	2,34								
Type of heating		POWER SUPPLY – FUSES											
		230V	230V	400V	230V	230V	400V	230V	230V	400V	230V	230V	400V
			3AC	tri+N		3AC	tri+N		3AC	tri+N		3AC	tri+N
Boiler fed		16A			16A			16A			16A		
Steam heating		16A			16A			16A			16A		
Electrical heating 3 kW													
Electrical heating 4,2 kW													
Electrical heating 6 kW		40A	25A	20A	40A	25A	20A						
Electrical heating 9 kW		50A	32A	25A	50A	32A	25A	63A	40A	25A	63A	40A	32A
Electrical heating 12 kW		40A		25A	40A		25A	50A		32A	50A		32A
Electrical heating 15 kW		50A		32A	50A		32A	50A		40A	63A		40A
Electrical heating 18 kW		63A*		40A*	63A*		40A*	63A*		40A*	63A*		50A
Electrical heating 21 kW		40A			40A			50A			50A		
Electrical heating 24 kW		50A			50A			50A			50A*		

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\* Standard heating

\*\* Diameter drain 75 mm (3") optionally available from WFF 75 till WFF 185

