

Protecting the Protectors

Laundry solutions for the
emergency services



Shaping the Sustainable Laundry

Our commitment to firefighters' well-being

Their uniform is their shield - but if it's not cleaned properly dangerous toxins can build up inside the layers and threaten the firefighter's health.

Electrolux Professional develops reliable solutions to remove most residual toxins, far surpassing market expectations.



Process Control

International standards recommend protecting your fire brigades by washing PPE and uniforms after each and every fire (ISO 23616).

Monitor your equipment status and performance. You can export wash history to a spreadsheet for easy auditing and to verify if the machines and cycles used comply with legal standards.



Peace of mind

with maximum quality and hygiene control



High efficiency

with unique programs and accessories



Maximum flexibility

with uniquely designed machines and special programs for everything from workout clothes to helmets, masks and boots.



Best utility cost optimisation

thanks to the Automatic Saving System for washers and faster drying processes.



We are member of CTIF

working to better understand and continuously improve the working conditions for firefighters through ongoing dialogue, analysis and sharing of lessons learned from incidents, accidents and fires throughout the world.

Round-the-clock Protection



1
Alarm received - when the alarm sounds, all equipment is ready - clean and safe - for action!

2
On site - Dangerous particle contamination

3
Remove the safety equipment on site after operations. Place the safety equipment into soluble bags for the washing process.

4
 When you come back to the station bring the laundry bags into the **DIRTY ZONE**.

Fill the Barrier Washers (or Front-Loaded Washers) with the uniforms and start the program.

Then, place the personal protective equipment inside the PPE Washer for the best decontamination results.

5
 The Barrier Concept acts as a protective shield: the contaminated items are completely separated from the **CLEAN ZONE**.

When the washing cycle is completed, take out the clean and re-impregnated safety equipment and dry them in a special designed **Drying Cabinet** (or Tumble Dryer).



6
 Now the safety equipment is ready for the next call-out



Optimize your cleaning process

Whether you require specialized cleaning of Personal Protective Equipment or the laundering of workout gear, our wide range of washing solutions and programs provides targeted results.



Put your safety in the hands of experts

Our decontamination system significantly reduces the dangerous health risks posed by exposure to carcinogens and other toxic substances. Effective decontamination also helps preserve the protective integrity of PPE fabrics, safeguarding your team day after day.



The ideal couple!



► Barrier Washers

Take total control of contamination in sensitive laundry environments. Line 6000 Barrier Washers provide a physical barrier between dirty and clean laundry zones and sit flush with the wall for easy cleaning.

► Drying Cabinets

Reliable drying results with specially designed airing hangers that facilitate the flow of air. Warm air is blown first through the hangers straight into the garment and then around the outside.



This unique feature ensures that the wash programme is brought to completion before allowing the washer to be unloaded on the clean side.



When hygiene is critical, consistent practice and discipline are a must: the dirty linen is loaded on one side and the clean linen is unloaded from another door opening into a separate room, giving functional separation



► **Washers**

High productivity front-load washers designed to make laundry operations safe, fast and cost controlled - Built for people and the planet.



It weighs the load and adjusts the water intake based on that. This saves water, energy and money.



► **Tumble Dryers**

Line 6000 Dryers stand out for their energy efficiency, speed, and certified ergonomic design, offering a smooth experience and easing the physical strain on laundry operators. This combination of features distinguishes them from other dryers on the market.

ClarusVibe control, the newest of the interfaces, guarantees an intuitive experience and smooth interaction, providing a **smart and effortless way to manage the wash process.**

**But it's not only about the uniforms!
What about cleaning equipment and respiratory protecting devices?**



► **PPE-L**
Personal Protective Equipment washer - large



► **PPE-UC**
Personal Protective Equipment undercounter washer

This special solution washes personal protective equipments in steel, composite, rubber, fabric, plastic etc. from oily substances, residue of combustion gases, toxins and other highly hazardous substances



Helmets



Masks



SCBA - self contained breathing apparatus



Gloves



Boots

Exploring the range



Line 6000

Pocket and Evolution Barrier Washers

	WB6-13	WB6-18	WB6-20	WB6-27	WB6-35
Drum volume (l)	130	180	200	270	350
Dry weight capacity (kg/lb)	13 / 30	18 / 40	20 / 44	27 / 60	35 / 77
G-factor	300	300	350	350	350
Width (mm-in)	910 - 35 13/16"	970 - 38 3/16"	915 - 36"	1050 - 41 5/16"	1270 - 50"
Depth (mm-in)	875 - 34 7/16"	975 - 38 3/8"	1030 - 40 9/16"	1030 - 40 9/16"	1030 - 40 9/16"
Height (mm-in)	1325 - 52 3/16"	1410 - 55 1/2"	1620 - 63 3/4"	1620 - 63 3/4"	1620 - 63 3/4"
Non-heated / Electric / Direct steam / Indirect Steam / Lowpressure steam / Electric & steam / Gas	✓ / ✓ / ✓ / X X / ✓ / X	✓ / ✓ / ✓ / X X / ✓ / X	✓ / ✓ / ✓ / ✓ / ✓ / ✓ ✓ / ✓	✓ / ✓ / ✓ / ✓ / ✓ / ✓ ✓ / ✓	✓ / ✓ / ✓ / ✓ / ✓ / ✓ ✓ / ✓
Detergent box	○	○	○	○	○
Compass Pro®	●	●	●	●	●
ClarusVibe	X	X	X	X	X
Double screen	○	○	○	○	○
Integrated Weighing System	X	X	○	○	○
Power balance	●	●	●	●	●
Automatic Inner Door Opening (AIDO)	X	X	○	○	○
Clean room construction	X	X	○	○	○
Ergonomics rating	★★★	★★★	★★★★★	★★★★★	★★★★★

Line 6000

ClarusVibe Washer Extractors Soft Mount H Spin Range



	WH6-7CV	WH6-14CV	WH6-20CV	WH6-27CV	WH6-33CV
Drum volume (l)	65	130	180	240	300
Dry weight capacity (kg/lb)	7 / 15	14 / 30	20 / 45	27 / 60	33 / 75
G-factor	450	450	450	450	450
Width (mm-in)	720 - 28 3/8"	910 - 35 13/16"	970 - 38 3/16"	1020 - 40 3/16"	1020 - 40 3/16"
Depth (mm-in)	720 - 28 3/8"	820 - 32 1/4"	945 - 37 3/16"	990 - 39"	1135 - 44 1/16"
Height (mm-in)	1130 - 44 1/2"	1325 - 52 3/16"	1410 - 55 1/2"	1460 - 57 1/2"	1445 - 56 7/8"
Electric / Steam / Non-heated	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓
Dual Heating alternative	X	○	○	○	○
Number of detergent pumps	15	15	15	15	15
Front loaded detergent box	X	○	○	○	○
Top loaded detergent box	○	○	○	○	○
Automatic Savings	●	●	●	●	●
Intelligent Dosing	●	●	●	●	●
Power Balance	●	●	●	●	●
Integrated Savings	○	○	○	○	○
Ergonomics rating	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

● standard ○ optional ✓ available X not available

The reassuring feeling of dry workwear any time, in and out, in no time



Line 6000 Drying cabinets	DC6-8 with shelves and pins	DC6-15WW with 4 hangers
Rated capacity (kg)	8	15
Evaporation* (g/min)	84	57
Impregnation program	X	●
Drying time* (min)	47	95
Rated input (kW)	6,2	Heater output 6
Energy/load of linen (kWh/kg)	0,6	0.66****
Energy/water evaporated (kWh/l)	1,14	1,9****
Sound power/pressure level at drying** dB(A)	<70	<70
Average heat emission per drying cycle***	/	/
Net kg weight	134	200
Width (mm)	1200	1200
Depth (mm)	580	750
Height (mm)	1820	1970



- * Applies to the rated capacity kg dry weight cotton with 50% residual moisture. (Less kg for the HP - consult the PDS for more details)
- ** Sound power levels measured according to ISO 60704.
- *** For assistance with dimensioning necessary ventilation needs, contact authorized ventilation technician.
- **** With impregnation program 75SDgrC.



Line 6000 Tumble dryers	TD6-7	TD6-14	TD6-20	TD6-30	TD6-37
Drum volume (l)	135	255	360	550	675
Dry weight capacity (kg/lb)*	7/15	14/30	20/44	37.5/82.7	37.5/82.7
Width (mm-in)	600 - 23 5/8"	790 - 31 1/8"	790 - 31 1/8"	960 - 37 13/16"	960 - 37 13/16"
Depth (mm-in)	845 - 33 1/4" (el) 875 - 34 7/16" (gas)	965 - 38" (el/gas/HP) 1105 - 43 1/2" (steam)	1202 - 47 5/16" (el/gas/HP) 1340 - 52 3/4" (steam)	1365 - 53 3/4"	1560 - 61 7/16"
Height (mm-in)	1050 - 41 5/16"	1770 - 69 11/16"	1770 - 69 11/16"	1855 - 73"	1855 - 73"
Electric/Gas/Heat Pump/Steam	✓/✓/✓/✗	✓/✓/✓/✓	✓/✓/✓/✓	✓/✓/✗/✓	✓/✓/✗/✓
Horizontal filter	●	●	●	●	●
Drum Speed control	X	○	○	X	X
Adaptive Fan control	X	○	○	X	X
Moisture Balance	○	○	○	○	○
Stainless steel drum	○	○	○	○	○
Galvanized steel drum	●	●	●	●	●
Compass Pro	●	●	●	●	●
Reversing drum	●	●	●	●	●
Ergonomics rating	★★★★	★★★★	★★★★	★★★	★★

● standard ○ optional ✓ available ✗ not available



PPE Washer

	PPE-UC
Supply voltage	400 V/3N ph/50 Hz
Convertible to	230V 3~; 230V 1N~
Total Watts	7.35 kW
Tank Capacity (l)	23
Baskets per hour	8 / 5 / 3
N° of working cycles (duration)	3 (8/12/20 min.)
Wash temperature (°C)	53 - 60
Rinse temperature (°C)	84
Cell dimensions, width (mm)	500
Cell dimensions, depth (mm)	500
Cell dimensions, height (mm)	335
Ext. dimensions, width (mm)	600
Ext. dimensions, depth (mm)	615
Ext. dimensions, height (mm)	820
Water supply temperature (°C)	50
Water consumption per cycle (l)	6
Noise level (dBA)	62



PPE Washer

	PPE-L
Supply voltage	400 V/3N ph/50 Hz
Default Installed Power	17 kW
Tank Capacity (l)	150
Wash temperature (°C)	53 - 60
Rinse temperature (°C)	60
N° of working cycles	4 (8/12/20/∞ min.)
Cell dimensions, width (mm)	1340
Cell dimensions, depth (mm)	710
Cell dimensions, height (mm)	570
Ext. dimensions, width (mm)	1552
Ext. dimensions, depth (mm)	900
Ext. dimensions, height (mm)	1791
Net weight (kg)	300
Water supply temperature (°C)	50
Rinsing water consumption per cycle (l)	12

Smaller versions available on request. Contact your local sales.



Whatever the size of your station

Big Fire station

8 - 10 PPE sets*



Washer	2 x 27 kg (WB6-27/WH6-27)
PPE Washer	2 x PPE-L
Drying cabinet	2 x DC6-15
Drying cabinet for various fire equipment	DC6-8
Tumble Dryer	1 x TD6-20

Medium Fire station

4 - 5 PPE sets*



Washer	27 kg (WB6-27/WH6-27)
PPE Washer	1 x PPE-L
Drying cabinet	DC6-15
Drying cabinet for various fire equipment	DC6-8
Tumble Dryer	1 x TD6-14

Small Fire station

2 - 3 PPE sets*



Washer	14 kg (WH6-14)
PPE Washer	1 x PPE-UC
Drying cabinet	DC6-15
Drying cabinet for various fire equipment	-
Tumble Dryer	1 x TD6-7

* number of complete uniform sets turnaround time (cleaning + drying) within 4 hours



An inspirational story

Dresden Fire Department, Germany

The Dresden Fire Department is a large fire department with over **500 team members** on duty at the professional fire department and a further **650 volunteer team members** at the district fire departments.

In 2021, 774 fire calls and 6,097 calls for assistance/ABC were made.



Due to the constantly increasing number of operations, **a new, more efficient laundry had to be created in Dresden according to the latest requirements.**

For this reason, existing buildings in Dresden, including a vehicle hall, were converted.

The space concept therefore had to be integrated into the existing rooms.

Due to the size of the professional fire department, **2 Barrier Washers (WB6-27) were used.**

Thus, the personal protective equipment (PPE) laundry in Dresden meets the current requirements in terms of **hygiene.** Through practical planning, all connections were perfectly prepared on site, so that the installation could be completed quickly.



For the Dresden Fire Department, it is important to ensure process reliability around a hygienic and sustainable complete solution

During all operations, the firefighters wear special PPE to avert danger to life and limb of the rescue workers. **During each operation, the PPE is stressed and must be reconditioned as quickly as possible** in order to ensure the full protection of the staff again during the next operation.



Process safety includes **clearly defined washing programs** in which the detergents are dosed fully automatically. Since Line 6000 Washers have the **Integrated Savings feature** with load cells, the detergent is precisely dosed to the actual load weight.



This is very important for both hygienic washing and reimpregnation. Both underdosing and overdosing, are effectively prevented.

List of equipment

- 2 x WB6-27 Barrier washer
- 1 x WH6-27 Clarus Vibe washer
- 3 x DC6-15 Drying Cabinet





Excellence is central to everything we do.
By anticipating our customers' needs, we strive for
Excellence with our people, innovations, solutions and services.
To be the OnE making our customers' work-life easier,
more profitable – and truly sustainable every day.

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Excellence with the environment in mind

- ▶ The majority of Electrolux Professional Group factories are third-party certified according to ISO (International Organization for Standardization) standards ISO 9001 and ISO 14001, with some sites also certified ISO 5001 and ISO 45001.*
- ▶ We are focused on developing innovative and sustainable solutions designed for low water, energy and detergent consumptions and reduced emissions.
- ▶ Our products are tailored to human comfort based on ergonomic principles and according to the user's natural workflow, achieving maximum efficiency with minimum effort. We also perform third-party ergonomic certifications on certain products (ERGOCERT).
- ▶ The selection of materials and technologies for our products complies with REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) and RoHS directives (Restriction of Hazardous Substances 2011/65/EU) for the protection of human health and the environment



*for more details, refer to annual Sustainability Report at: electroluxprofessionalgroup.com