

Systematic solutions for rescue services

Professional reprocessing of
protective workwear and breathing masks



Professional reprocessing of protective workwear



The protective gear worn by fire-fighters and rescue services is subject to considerable wear and tear and is therefore specially designed for the purpose. For better heat insulation, most garments are multi-ply and include a wicking membrane made from Gore-Tex®, Sympatex® or a similar material. Retro-reflective strips on the surface of the material make for better visibility in hazardous conditions.

Highly specific and gentle solutions are needed for fast turnaround times without any loss in functionality. The benefits of commercial machines in an on-site laundry are convincing.

Proper reprocessing to meet individual site needs cannot otherwise be achieved.

As rescue services are on call around the clock, fast laundry turnaround, including washing and drying and even disinfection and reproofing of heavily soiled garments and sensitive breathing masks is of the essence. This is not always possible or is prohibitively expensive when working with contract laundries.

Modern laundry machines from Miele always offer the perfect solution to meet individual needs – a worthwhile investment both in terms of initial outlay and ongoing running costs.

And remember: The same machines are available for other, more general clothing, such as jeans, T-shirts and towels, etc.

Washing machines



PW 6101-PW 6201



PW 6241 and PW 6321

PW 6101

- Honeycomb drum, drum volume 100 l
- Spin speed 1200 rpm
- Profitronic M controls**
- Electric, gas or steam heating

PW 6131

- Honeycomb drum, drum volume 130 l
- Spin speed 1100 rpm
- Profitronic M controls**
- Electric, gas or steam heating

PW 6161

- Honeycomb drum, drum volume 160 l
- Spin speed 1150 rpm
- Profitronic M controls**
- Electric, gas or steam heating

PW 6201

- Honeycomb drum, drum volume 200 l
- Spin speed 1100 rpm
- Profitronic M controls**
- Electric, gas or steam heating

PW 6241

- Honeycomb drum, drum volume 240 l
- Spin speed 1100 rpm
- Profitronic M controls**
- Electric, gas or steam heating

PW 6321

- Honeycomb drum, drum volume 320 l
- Spin speed 1000 rpm
- Profitronic M controls**
- Electric, gas or steam heating



Washer-extractor:
Protective bag for breathing masks, BM 02

** Freely programmable

Load capacities in wash cycle

	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
Fire-fighting suits	1-2	2	3	3-4	4	5
Protective jackets	2	3	4	5	6-7	8-9
Breathing masks	9	12	13	16	19	25
Juniper suits	-	1	1-2	2	3	4

Tumble dryers



T 6251-T 6751 with conventional drum



PT 7251-PT 7801 with honeycomb drum

Vented dryer with conventional drum TROCTRONIC controls*

T 6251

- Drum volume 250 l
- Electric or gas heating

T 6351

- Drum volume 350 l
- Electric, gas or steam heating

T 6551

- Drum volume 550 l
- Electric, gas or steam heating

T 6751

- Drum volume 750 l
- Electric, gas or steam heating

* 9 sensor drying programmes and
2 programmable time-controlled drying programmes
** Freely programmable

Vented dryer with honeycomb drum PROFITRONIC M controls**

PT 7251

- Drum volume 250 l
- Drying in a single process, without turning items inside out
- Electric or gas heating

PT 7331

- Drum volume 325 l
- Drying in a single process, without turning items inside out
- Electric or gas heating

PT 7401

- Drum volume 400 l
- Drying in a single process, without turning items inside out
- Electric, gas or steam heating

PT 7501

- Drum volume 500 l
- Drying in a single process, without turning items inside out
- Electric, gas or steam heating

PT 7801

- Drum volume 800 l
- Drying in a single process, without turning items inside out
- Electric, gas or steam heating



Tumble dryer:
Patented mask holder, BHM

Load capacities in drying cycle

	PT 7251	PT 7331	PT 7401	PT 7501	PT 7801	T 6251	T 6351	T 6551	T 6751
Fire protection suits	1-2	2	3	3-4	5-6	1-2	2-3	4	5
Protective jackets	2	3	4	5	9	2	3-4	6-7	8-9
Breathing masks	8	12	16	12	16	8	12	12	16

Face mask cleaner



Illustr.: G 7856 with baskets (optional)

G 7856

Throughput per batch: 6-9 breathing masks

- Shortest cycle time 11 minutes*
- MULTITRONIC NOVO VARIO controls with programmable functions
- Water softener
- Hot and cold water connections
- Electric heating

* When connected to hot water (65°C) and 3-phase electrics



O 889 Upper basket/carrier

- Stainless steel
- With integrated spray arm
- For various inserts, e.g. E 379
- Height-adjustable by 20 or 40 mm
- Clearance 195 mm
- H 305, W 531, D 475 mm

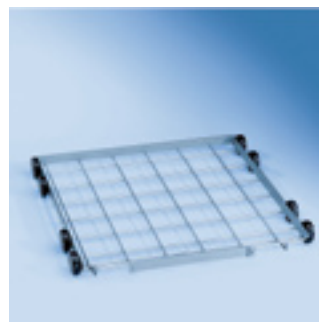


E 379 Insert

- For sundry small items
- 0.8 mm wire mesh
- 1.7 mm mesh size
- 2 handles
- H 80 (110), W 180, D 445 mm

A 2 / A 3 cover net (not illustrated)

- To cover various inserts, e.g. E 379
- Metal frame, plastic coated, with plastic netting
- 216 x 456 mm (A 2)
- 206 x 206 mm (A 3)



U 874/1 Lower basket/Open front

- Stainless steel
- Open front
- For various inserts, e.g. E 484
- Clearance in combination with upper basket
- O 889: 300 mm, -20/-40 mm
- H 50, W 534, D 515 mm



E 484 with E 488 insert

- E 484 for up to 3 inserts E 488
- E 488 insert with 3 holders for breathing masks
- 2 handles
- H 65 (150), W 470, D 480 mm (E 484)
- H 210 mm (E 488 holders)

Miele value-added benefits

More service

Excellent products, excellent service: Blanket service coverage provided by Miele factory service points and authorised service dealers ensures ease of access and a rapid service response. Spare parts are available for many years after the production of products has been discontinued. Miele Service has received many accolades for excellence. And special service and maintenance contracts offer peace of mind in all situations.

More quality

Made in Germany, certified according to DIN EN ISO 9001. Solid workmanship, highest quality materials, proven technology and a wide range of Miele-built components, including electronic controls, make for an extended product life and trouble-free operation. Dependable componentry and technology reflects Miele's superior quality and technological prowess.

More flexibility

Potential clients are given in-depth advice including a careful evaluation of on-site requirements and an economic feasibility study. Installation is planned meticulously, including all the necessary blueprints. And when it comes to planning investments, Miele is able to offer tailor-made hire-purchase and leasing models.



Systematic solutions for fire-fighting services

Hygienic and efficient reprocessing

For effective cleaning taking the specific needs of textiles into account, apparel must be washed both gently and thoroughly before reproofing. Simple drying in a domestic machine and occasional dry-cleaning is not acceptable from either a hygienic or economic point of view, and could compromise the protective qualities of the fabric. Even contracting work out to a commercial laundry involves considerable effort, distances and waiting times and often results in the need for double the amount of inventory.

On-site reprocessing represents a viable and efficient alternative:

- Effective
- Cost-efficient
- Extremely economic

Valuable protective garments are ready for reuse after only approx. 2.5 hours – washed, dried and with repellent properties fully reinstated. This is guaranteed by thorough but gentle wash processes together with Miele's patented honeycomb drum* ensuring that expensive garments retain their value. This is often not the case when laundry is farmed out to outside contractors!

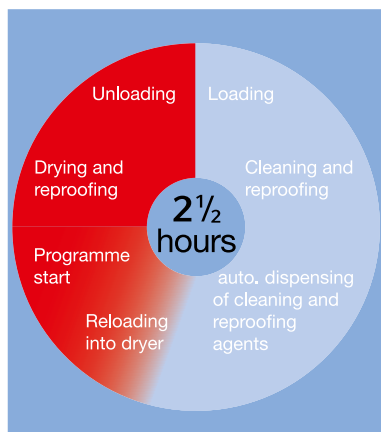
Systematic solutions for masks

And breathing masks, too, profit from the use of professional laundry machines. Miele has developed special cleaning processes, working in close cooperation with mask and detergent manufacturers. This offers key benefits compared with manual cleaning: Masks do not even have to be disassembled – a protective bag to prevent damage to the screens is sufficient. To ensure effective and gentle drying, masks are fitted on special-purpose braces – once again, a patented** Miele solution. Up to 16 masks can be reprocessed simultaneously per drying cycle. A PW 6161 washer-extractor and a PT 7401 tumble dryer, for example, represent the ideal team of commercial products for reprocessing:

- Protective clothing
- Breathing masks
- Protective chemical suits

Low consumption combines with the gentle treatment of fabrics to produce an unbeatably economic system. The drum speed, for instance, in programmes for reprocessing breathing masks is limited to 20 rpm to prevent any damage to valuable inventory. 15 to 20 protective masks can be dried in a mere 40 minutes. Far longer drying times in an airing cupboard are a thing of the past.

The G 7856 represents an alternative to reprocessing breathing masks in a washing machine, allowing up to 9 masks to be reprocessed in a single cycle. To avoid prolonged drying, Miele recommends the use of a Miele tumble dryer. This ensures that masks are ready for use again in next to no time.



Reprocessing of protective workwear

¹ except helmets

* European patent EP 0 935 687

** European patent EP 1 088 928 B1

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