

Miele
PROFESSIONAL

Water is our element ...

... in producing energy!

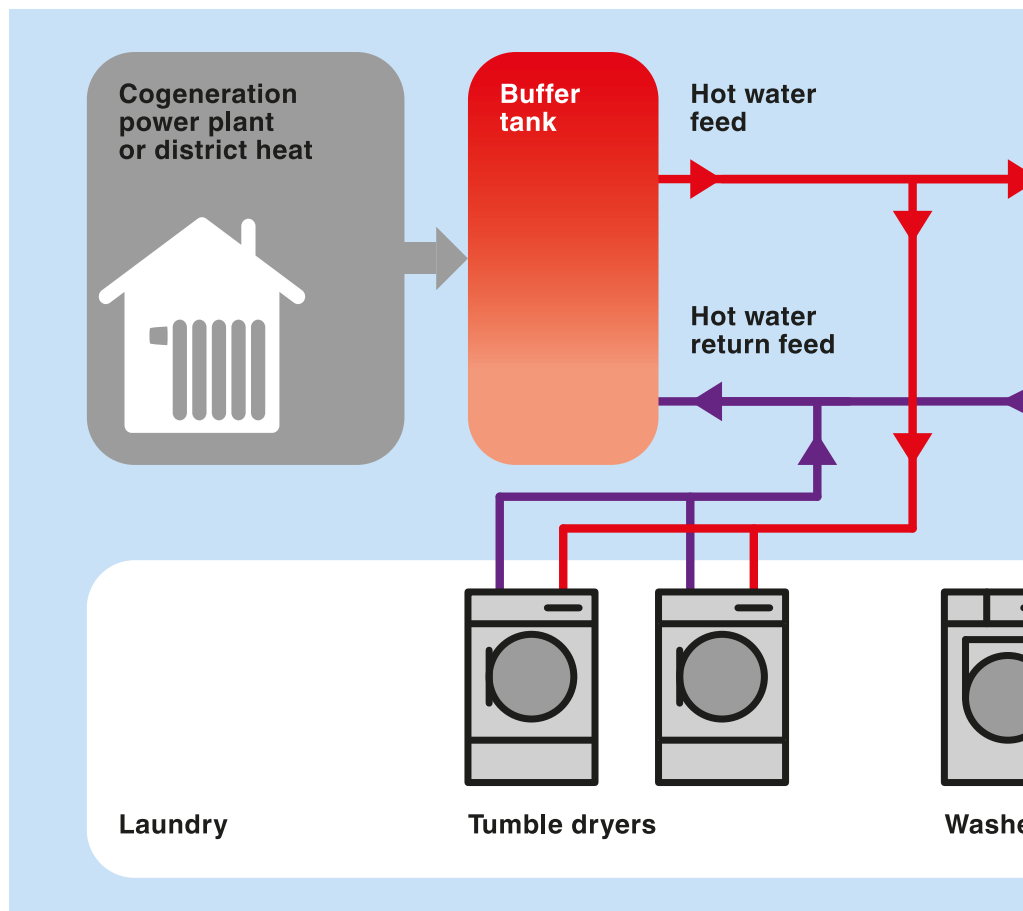
The new H₂O dryer from Miele Professional



Efficiency and sustainability in perfection with H₂O dryers from Miele Professional

Highest efficiency

The H₂O dryer can be put to use wherever hot water is available. This can take the form of an on-site co-generation plant, district heating or alternative sources of energy. But similarly, water from other sources and systems where hot water is a by-product can be used to cut the cost of drying. Drying times are very much influenced by framework conditions. Ideally, the drying time for 10 kg of laundry is approx. 35 minutes¹. Should the initial parameters change (lower feed temperatures and/or flow rates), cycle times may be extended to up to 62 minutes. Optimum installation conditions obviously make for shorter drying cycles. Thanks to its energy-efficient technology, the H₂O dryer excels in terms of low rated loads and excellent sustainability. When run on district heat costing around 0.069 €/kWh, annual running costs amount to only EUR 821. This represents only around half the current cost of electricity². When fed with hot water from an existing co-generation plant, annual running costs drop to about EUR 85. This is little more than the cost of the electricity needed to operate the dryer as hot water is available free as a by-product of co-generation. Compared with the use of a conventional Miele vented dryer of the same size, this equates to significant cost savings. Thanks to low rated loads, H₂O dryers can, above all, be used where the electricity supply network is stretched or where there is a need to avoid load peaks.



Co-generation plant or district heat



Solar heat



Geothermal energy



Residual heat



Biomass

The principle of operation

Hot water, supplied for instance by a co-generation plant or district heating, is used directly as a source of energy for drying. At the same time, a washer-extractor can also be supplied with hot water via a buffer tank and a heat exchanger.

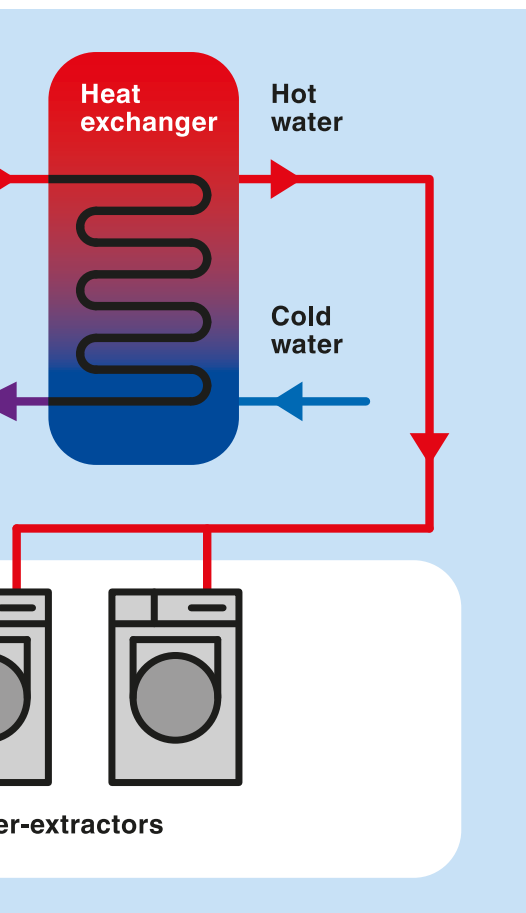
At the rear, the H₂O dryer has a hot water fitting for connection to the water supply. On entering the machine, water passes through a specially designed heater bank where the water is used to heat the process air for drying laundry. The water, which by this time has cooled down, is fed back to the heating system via the return line.

¹ Assuming a load ratio of 1:32, a room temperature of 23°C, a feed temperature of 90°C and a flow rate of 1.5 m³/h (lower feed temperatures or flow rates prolong cycles).
Reduction of moisture level from 50 to 0%.

² In Germany

* Based on 500 kg of laundry per week / Electricity costs: 0.19 €/kWh, free supply of hot water from co-generation plant, reduction in moisture level from 50 to 0%, figures rounded

** 13 kg load capacity based on a load ratio of 1:25 *** 13 kg load capacity based on a load ratio of 1:32

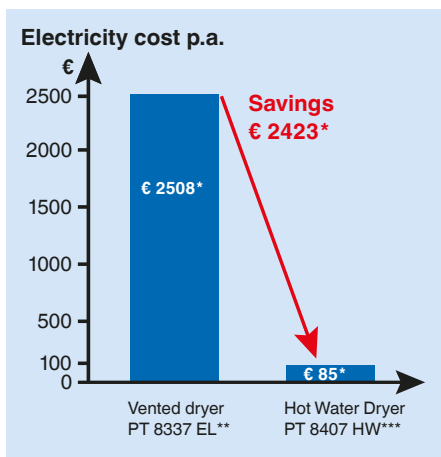


Gentle fabric care

Optimum process air temperatures guarantee high-level, gentle fabric care and ensure that even very delicate fibres are given the perfect finish they deserve. Only Miele tumble dryers use the patented honeycomb drum to take good care of garments and textiles. Laundry is carried high up the drum by the rounded SoftLift ribs and gently caught as it tumbles by pockets of air. Axial air flow in the drum results in longer exposure of tumbling laundry to warm air, resulting in thorough, uniform and gently drying. At the same time, PerfectDry is constantly monitoring the residual moisture content of the textiles to terminate drying once the selected drying stage has been reached.

The advantages

- Low energy costs thanks to use of hot water
- Low rated loads
- Excellent fabric care thanks to patented Miele honeycomb drum
- PerfectDry for spot-on drying



Potential savings with a hot water dryer result in a very short capitalisation period.



Hot water dryer

PT 8337 HW – PT 8807 HW

- Hot water drying system
- Load capacity 10 – 32 kg
- Profitronic M controls, freely programmable
- Honeycomb drum, Drum volume 325 l – 800 l



Hot water dryer

PT 8333 HW – PT 8803 HW

- Hot water drying system
- Load capacity 10 – 32 kg
- Profitronic B Plus controls with moisture detection
- Honeycomb drum, Drum volume 325 l – 800 l



Technical data

Dryers	PT 8333 HW	PT 8403 HW	PT 8503 HW	PT 8803 HW
Frontloader, door opening [Ø mm]	520	520	520	520
Drying system				
Air Recycling vented/recirculation system	•	•	•	•
Air intake/vent	DN 150	DN 150	DN 150	DN 150
Performance data				
Load capacity 1:32 - 1:25 [kg]	10–13	13–16	16–20	25–32
Drum volume, honeycomb drum ¹ [l]	325	400	500	800
Controls				
Profitronic B Plus	•	•	•	•
Moisture sensing	•	•	•	•
Communication module slot	•	•	•	•
Connection options				
Communication module with serial interface	o	o	o	o
Payment system	o	–	–	–
Electrical connection (hot water for heating)				
1N AC 220–240 V 50 Hz	0.8 kW/1 x 10 A	–	–	–
3N AC 380–415 V 50 Hz	–	1.3 kW/3 x 10 A	1.3 kW/3 x 10 A	1.9 kW/3 x 10 A
Dimensions, Weights (hot water heating)				
External dimensions H/W/D [mm]	1400/906/1035	1400/906/1164	1640/1206/1002	1640/1206/1384
Weight [kg]	201	216	265	318
Machines front				
Octoblu	•	•	•	•

Dryers	PT 8337 HW	PT 8407 HW	PT 8507 HW	PT 8807 HW
Frontloader, door opening [Ø mm]	520	520	520	520
Drying system				
Air Recycling Plus vented/recirculation drying ¹	•	•	•	•
Air intake/vent	DN 150	DN 150	DN 150	DN 150
Performance data				
Load capacity 1:32 - 1:25 [kg]	10–13	13–16	16–20	25–32
Drum volume, honeycomb drum ¹ [l]	325	400	500	800
Controls				
Profitronic M	•	•	•	•
Freely programmable	•	•	•	•
Card reader	•	•	•	•
Communication module slot	•	•	•	•
Connection options				
Communication module with serial interface	o	o	o	o
Payment system	o	–	–	–
Electrical connection (hot water for heating)				
1N AC 220–240 V 50 Hz	0.8 kW/1 x 10 A	–	–	–
3N AC 380–415 V 50 Hz	–	1.3 kW/3 x 10 A	1.3 kW/3 x 10 A	1.9 kW/3 x 10 A
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Weight [kg]	201	216	265	318
Machines front				
Octoblu	•	•	•	•

¹ patented

• = Standard, o = Optional, – = Not available

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