HARSTRA

K8

DRYING CABINET

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Function

This Harstra drying cabinet is designed and built for safe and fast drying of clothes in a static way. The advantage of less wear and tear than in a tumble dryer.

Description

The great advantage of this drying cabinet is that it dries fully automatically, irrespective of whether 1 or more clothes pieces are in it. The electronics in combination with the software determine when the clothes are dry and at that moment the machine switches off automatically.
If you wish to dry on a time basis, a shorter or longer period, it is possible to set the time between 1 minute and 99:58 hours.
During development, we opted for a low temperature with a large air vortex in the cabinet. (This was because a higher temperature damages the clothes).
This drying cabinet has an energy saving capacity of approx. 80% in respect of existing models, which use a system of air suction, heating the air by blowing it through the cabinet and then expelling it.

Our cabinet works differently: the warm air re-circulates in the cabinet, while the damp air leaves the cabinet via the top. This air does not need to be expelled.

The new drying cabinets are provided both internally and externally with Metalco steel (thermo-galvanized steel). The RAL 9016 paint coating is scratch free and applied electro statically by means of a structure powder. After that it is heated in a furnace causing the powder to melt on the galvanized steel.

There is an optimal heat insulation with a minimum thickness of 30 mm between the inside and outside walls. This has the additional advantage that the cabinet is also user-friendly as far as the noise level is concerned.

Four sturdy, adjustable feet ensure the stability of the cabinet.

In the K8 drying cabinet there is placet o dry 6-9 coats/trousers on the stainless steel rod.

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Technical details:

All electronic switching is done by a micro-controller that processes the data for both the thermostat, temperature gauge, humidity measurement, timer, heating element and fan.
The temperature range of the cabinet goes up to 58°C and is adjusted to 40°C.
The temperature is read by digital LED display with an accuracy of 1°C
Temperature protection is provided by an additional thermostat (switch-off point approx. 62°C).
The timer is adjustable from 1 minute to 99:58 hours, the time to elapse can be read on the LED display.

Thanks to a unique recirculation system as well as optimum insulation, energy consumption of approx. 0,8kW/h (measured over 3 hours including warm-up time) can be achieved.
The dryers can be connected to the normal 230 V mains supply and are fused at 16 amps.

Maintenance:

The drying units are extremely easy to maintain and hygienic to use.
The lifespan of the heating element is extended and maintenance costs are kept low because the heating element is controlled by a solid state relay (without mechanical parts).

The inlet filters should be replaced at least twice a year or when the message CHANGE FILTER appears on the screen. This message appears after 500 operating hours.

Model:

K8 for a maximum of 6-9 coats or trousers

Advantages compared to other drying cabinets:

- Fully automatic drying of time-based drying
- Designed for drying masks and devices
- Extremely low consumption of electrical energy
- Easy to operate; one-button operation
- Quiet during operation
- Maintance-free
- Long life cycle

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DRYING CABINET TYPE K8

Specifications

Dimensions	:height x width x depth in mm.
External	: 1680 x 1260 x 730
Internal	: 1400 x 1200 x 600
Content	: 1008 liter
Net weight	: 200 kg.
External	: Stainless steel
Internal	: Stainless steel
Coating	: RAL 9016
Doors	: 2 piece
Door sealing	: magnetic strip
Drip tray	: polished stainless steel
Adjustable legs	: 4 pieces., adjustable for stability and spirit level
Insulation	: glass wool, min. 30 mm thick
Temperature range	: up to 58°C. set at 40°C. by manufacturer
Second temperature	: self-adjustable
Temperature reading	: digital LED reading
Expiring time clock	: digital LED reading, set between 1 minute and 99:58 hours
Electronic temperature control	: 2 pieces PTC sensors, solid state relay
Electronic moisture measure	: capacitive sensor
Temperature safeguard	: extra thermostat (max. 60°C.)
Heating	: direct heating, approx. 2 kW
Air circulation	: by means of 2 low-noise ventilator
Air refreshment	: by air outlet on top of the cabinet, PVC tube of Ø 32 mm
Air inlet	: at bottom of the cabinet through a filter
Filter	: Class F5, EN 779
Capacity	: maximum 6 to 9 coats or trousers
Clothes rail	: 1 piece, stainless steel and removable
Drying time	: approx. 4 hours

Connections

Mains connection	: 230 Volt AC, N + PE, 50-60 Hz.
Power	: approx. 2,2 kW, secured 1 x 16 Ampere
Electricity consumption	: average 0,8 kWh

Delivery terms

Times of delivery	: 6-8 weeks
Terms of delivery	: ex-factory Zeewolde, the Netherlands
Guarantee	: 12 months for materials