

HARSTRA INSTRUMENTS

Harstra Instruments was founded in 1940 in Utrecht, The Netherlands by the sirs Harderwijk and Van Straaten. The current director Jan Roland van der Ham has taken over the company in 1983 from his father Jan van der Ham.

Nowadays Harstra Instruments is an expanding company in Zeewolde. We work with the newest equipments, like CNC machines and CAD drawing software but we still have the old fashioned service.

Harstra Instruments originally is a manufacturer of laboratory equipment and nowadays one of the most important providers of cleansing machines and drying cabinets in the safety branch in Europe.

Harstra Instruments co-operates with one of the best providers of breathing masks-, C.A.B.A and clothing, whom mostly deliver to municipal fire brigades, company fire brigades and petrol-chemical industry.



SAFETY DIVISION

Cleansing machines for breathing masks/face pieces.

Cleansing machines for C.A.B.A.(with cylinders)

Drying cabinets for breathing masks/face pieces.

Drying cabinets for C.A.B.A

Drying cabinets for clothes.

BREATHING MASKS / FACE PIECES DRYING CABINETS

Harstra Instruments manufactures drying cabinets which dry fully automatically whether there are one or more products in the cabinet. The electronics in combination with the software determine when the products are dry and stop the program. This could be a great advantage for unmanned fire houses.

We have two types of drying cabinets for drying of breathing masks / face pieces.



Type M18

This bench mounted drying cabinet is provided with two wire baskets which can fit 18 breathing masks or face pieces. This drying cabinet is perfectly fit for smaller fire brigades cramped for room for a drying cabinet. This type can be set on top of a WASH 9 cleansing machine. We also provide stainless steel support frames.

Type M45

This drying cabinet can fit 45 breathing masks in 5 wire baskets. We provide racks which make it possible to hang the C.A.B.A easily in the cabinet.

CLOTHES DRYING CABINETS



There are three types of clothes drying cabinets, all are in and externally made of electro statically steel with a scratch free and a powder coating.

Type K3

Type K3 is internally 1.40 m high and can fit 3 coats or trousers with one stainless steel rod.

Type K6

Type K6 can fit 6 till 9 coats or trousers. This drying cabinet is delivered with one stainless steel rod.

Type K8

Type K8 is internally 1.40 m high and can fit 6 -9 coats or trousers with one stainless steel rod.



Type K10

Type K10 can fit 10 coats / trousers or 5 suits. This drying cabinet is delivered with 2 stainless steel rods.

We provide stainless steel clothes hangers of 40 and 60 cm.

ADVANTAGES OF HARSTRA INSTRUMENTS DRYING CABINETS

- Drying cabinets from Harstra Instruments can dry fully automatically as well on a time base. It is also possible to ventilate without heating.
- Our electronics make it possible to set the temperature till 58°C.
- The drying cabinets are easily manned. The digital display shows the temperature or humidity during the drying program.
- The drying cabinets are practically free of maintenance, The air is filtered and cleared by a filter.



DRYING CABINET WITH TROLLEY



Type F12

This specially customized drying cabinet is made for professional drying of C.A.B.A after cleaning. This drying cabinet has the advantage to dry fully automatically and is in and external made of stainless steel. The with the cabinet delivered trolley can fit 12 C.A.B.A's



Optional is a steel trolley with 4 wire baskets, fit for drying breathing masks.

CLEANSING MACHINES



For the safe cleaning of breathing masks, face pieces and C.A.B.A we have 2 types of cleansing machines. The cleaning is done by a cleansing fluid on a mildly alkaline and phosphate and chlorine free base, while the neutralization liquid is on a citric acid.

Type Wash9

This machine it fit for safe cleaning of max. 9 masks when there placed in the belonging wire basket. This wire basket is comparable the wire baskets in the drying cabinets. The product doesn't have to be switched over from basket to basket.

Type Wash4

Specially for professional cleaning of C.A.BA with cylinders, Harstra Instruments manufactured the WASH 4.

This fully equipped machine has circulation pumps and a installable dosage pump for the cleansing fluid.

After the recommended cleaning time of 22 minutes, the C.A.B.A and the cylinders are separated and can be placed in a special made drying cabinet and trolley.

For optimal use of the machine it is possible to replace the frame for 2 wire baskets, for the cleaning of max. 18 breathing masks.

Both machines are made of Stainless steel.



TECHNICAL NOTES**CLEANSING MACHINES**

Measures externally in mm.	W4	W9
Height	1800 (2410*)	850
Width	1335	600
Depth	850 (1445**)	620
Measures internally in mm.		
Height	685	340
Width	1030	540
Depth	610	480
Tank content in litres	90	22
Cleansing program in minutes	5, 10 of 22	22
Maximum capacity	4 C.A.B.A with cylinder	9 breathing masks
Mains connection	3x400 Volt, 50 Hz.,3-Ph	400 Volt, 50 Hz.,3-Ph

*when open

**with open drawer

DRYING CABINETS

Measures externally in mm.	M18	M45	F12
Height	960	1680	2130
Width	602	602	1100
Depth	600	600	755
Measures internally in mm.			
Height	680	1400	2000
Width	542	542	1000
Depth	500	500	650
Tank content in litres	185	380	1300
Drying program in ours	ca. 2	ca. 2	
Maximum capacity	18 masks	45 masks	12 C.A.B.A
Mains connection	230 Volt	230 Volt	400 Volt, 50 Hz.,3-Ph

DRYING CABINET FOR CLOTHES

Measures externally in mm.	K3	K6	K8	K10
Height	1680	2120	1680	2300
Width	602	1260	1260	860
Depth	600	730	730	900
Measures internally in mm.				
Height	1400	1800	1400	2100
Width	542	1200	1200	800
Depth	500	600	600	800
Tank content in litres	380	1296	1008	1344
Maximum capacity	3 coats/trousers	6 coats/ trousers	6-9 coats/ trousers	10 coats/trousers 5 suits
Mains connection	230 Volt	230 Volt	230 volt	230 Volt

Harstra
I N S T R U M E N T S

Giek 11 – 3891 KA Zeewolde – P.O.box 186 – NL-3890 AD Zeewolde – Holland
Telephone: +31 (0)36 5222142 – Fax: +31 (0)36 5222152
E-mail: info@harstra.nl – Web site: www.harstra.nl