



The fully automated premium solution with the best features of superior hose maintenance technology for fire departments and industrial service providers with 40 m long A-hoses and F-hoses in the tightest space:

With 100% stainless steel static components, a hose maintenance capacity of up to 16 hoses per hour, the most effective safety concept, unbeatable low power consumption and a top-class ergonomic design for a superior cleaning process in one man operation - without bending, folding and long walking distances!

PRO 1 - the Mammut: The most powerful hose maintenance center worldwide!

The F-hose maintenance compact unit from PREY - PRO 1 Mammut for short - sets standards in space utilization, ergonomics, design quality, and water and energy consumption.

With an installation area of only 22.7 m² including operator station, the PRO 1 Mammut fits into a room niche of only 3.83 m width and 5.92 m depth. The only on-site requirements are water, wastewater and three-phase current connections and a floor suitable for hose maintenance rooms and rinsing water.

The fully automated system performs all hose maintenance functions from pre-soaking, uncoiling, washing, dragging in, laying out, flooding, pressure testing, pulling out, emptying and drying to coiling without operator intervention in the permanently closed test chamber.

The basis of the automation was the invention and development of the unique test table by PREY in 1998, which allows the test table including the hose to be rotated under test pressure, thus enabling safe visual inspection and marking from the operator's station - without any additional walking distances. During normal operation, the test chamber is not opened at any time, neither for inserting nor removing the hose.

Only the PRO 1 and the PRO 1 Mammut can do this - the only true fully automatic compact systems with only four handling steps on the hose in an uninterrupted care process!

The differences and unique selling points compared to comparable technologies in detail:

The PRO 1 Mammoth is ...

the most compact: It can be installed ready for operation within two days on a total footprint of only 22.7 m² including operator station in a three-sided closed room niche of 4.0 m width in one piece - operation, cleaning and maintenance are carried out exclusively from the front.

the most highly automated: From pulling in to ejecting the hoses, everything is done automatically, with the exception of coupling and uncoupling. Accordingly, a hose is only touched four times, and the protective chamber is not touched at any time during regular operation - everything else is done via user-guided operation on the touchscreen. This practically rules out operating errors and eliminates the need for walking.

the most powerful: with a flow rate of 70,000 l/h, the new test pump technology takes just 28 seconds to fill a 40-meter-long A-hose with a volume of over 360 liters up to the test pressure of 16 bar. The advantage is correspondingly clearer when it comes to servicing large-volume A and F hoses.

the most ergonomic: without exception, all work steps are performed at waist height without ever lifting the hose up or down during the care process. Before, during and after the cleaning process, there is no need to bend down or move loads above shoulder height. Doors and flaps also do not have to be opened and closed either during regular operation or for maintenance.

the most economical: With almost 100% test water recovery and an average power consumption of 5.12 kW per hour, it is the world's most energy-efficient F-hose maintenance compact system - requiring less than 320 W per 20 m hose at a throughput of up to 14 hoses per hour.

the safest: All work steps take place outside the plant technology. Before pressure tests, the hose inlet side is automatically closed to create a completely enclosed test cell. The test chamber does not need to be opened during normal operation, neither for inserting the hoses nor for removing them.

the most transparent: the glass dome, which can be rotated through 360°, has no cross bracing whatsoever for optimum viewing from any angle. All sides of the compact system can be viewed equally openly at viewing height when the machine is stationary. Neither side nor rear walls, nor washer, winder, doors, flaps, struts, turntables, pipe racks or other constructions block the operator's horizontal view of the hose - more insight is not possible.

the most durable: All static components and almost 100% of all metallic parts are made of high-quality, resistant stainless steel (alloy 1.4301) in the most precise manufacturing quality - for unrivaled durability and optimum corrosion protection even when using foam concentrate. No other compact system achieves such a long service life and thus value security, and no purchase price, no matter how cheap, ultimately matches the economic efficiency of the PRO 1 Mammut.

the most complete: Hose data is recorded and managed via the interactive large-area touchscreen with Windows interface during the entire life cycle directly in the system control with integrated USB interface and direct data import into all common fire department data management programs. An additional, separate computer is not required for this.

The PRO 1 Mammoth is unbeaten in all categories listed!

Technical data:

Artikel number:	1-003-030010
Description:	F-Hose maintenance compact unit
Typ:	PRO 1 Mammoth
Dimensions:	3830 x 4515 x 2275 mm (BxLxH)
Gewicht:	1.500 kg
Electrical connections	
	400V AC/50Hz/35kW
Water connections:	1 1/4"
Test connection:	1 x B (75 mm)
Test pressure:	0-16 bar
Washing pressure:	0-100 bar
capacity	
- hose size:	1F / 1A / 1B / 1C / 1D
- hose length:	until 40m A, to 20m F
- hose kinds:	all known material
Functions:	pre-soaking
	unwinding
	import
	washing
	disengage
	pre-flooding
	test-water-reutilize
	pressure testing
	in sight running
	export
	draining
	hose-width-adaption
	moisture-suction
	hose-measure
	hose-middle-calculation
	winding

Safety functions:	automatic winding-speed adaption
	automatic winding-overload shutdown
	automatic pressure-test- shutdown
	personal protection dome
	wear-function overload shutdown
Operating Mode:	one man operation
System:	automatic mode
Winder:	automatic mode
Type of installation:	freestanding
Combination with:	Revolving Fire Hose Dryer
	all Fire Hose Hanging Systems
Standard equipment:	pre-soaking-container
	user guided process control
	touchscreen-control panel
	high pressure washing mashine
	hose-moisture-suction
	pressure pump compact station
	automatic-hose-winder
	pressure-bench with base frame
	personal protection dome
	rotating assembly-towing device
	process-water-tank
	automatic level control
	stainless steel tubing
	anti-drumming-coating
Optional equipment:	high-pressure-spray lance
	suction hose test equipment
	hose-data-management