



The fully automated premium solution with the best features superior hose maintenance technology for fire departments and industrial service providers in confined spaces:

with static components of 100% stainless steel, a hose maintenance capacity of up to 14 hoses per hour, the most effective safety concept, unbeatable low power consumption and ergonomic design in a class for a superior cleaning process in one-man operation - without bending down, flaps and long walkways !

PRO 1 – the Comapct: The most energy-efficient hose maintenance center in the world!

The hose maintenance compact system by PREY - short PRO 1 - sets new standards in the use of space, ergonomics, design quality and the water and energy consumption.

With an installation surface of only 9 sq including operation area the PRO 1 fits into a niche area of only 2.45 m wide and 3.50 m depth. As on site requirements only water and wastewater, as well as three-phase connections and a suitable floor for a hose maintenance room and rinse water are required.

The fully automated system performs all hose maintenance functions from pre-soaking, up to unwinding, washing, import, disengage, flood, the pressure testing, the export, draining and drying up to the winding without the intervention of the operator in the ever closed test chamber.

Basis of the automation was the invention and development of unique test bench by PREY in 1998. This allows the turning of the test bench with the pressurized hose and thereby the secure visual inspection and marking right from the operating area - no additional running paths. The test chamber is opened at no time in control mode, not to insert nor for withdrawing the hose.

This can be managed just by the PRO 1 – the only true fully automatic compact system with just four steps on the hose in a continuous maintenance process!

The differences and unique features compared to similar techniques in detail:

The PRO 1 is ...

the most compact: It can be installed ready for operation within a day on a total installation area of only 9 sq including operating area in a three-sided enclosed space niche of 2.50 m width in one piece - operation, cleaning and maintenance can be made exclusively from the front - and thus requires the effective lowest space for installation and work space among all compact systems.

the most automated: From the import to the export of the hoses, except for the coupling and uncoupling, all automatically. A hose is handled only four times, the protective chamber at no time during the regular operation - everything else is done via the user-driven operation on the touch screen. This precludes faulty operation and makes walking distances superfluous.

the most ergonomic: Unfailingly all steps are carried out at waist level without ever lifting the hose up or down in the maintenance process. Before, during and after the cleaning process neither bending nor the handling of loads above shoulder height is necessary. Furthermore there are no doors and flaps which need to be opened and closed in the regular operation nor for the service.

the most economic: With almost 100% test-water-retrieval and an average power consumption of 2.43 kW per hour, it is the most energy-efficient compact system worldwide - and requires at a performance of up to 14 hoses per hour per 20 m hose less than 180 W.

the most secure: All operations take place outside of the system. The hose inlet side is automatically closed so that a completely closed test cell is produced before the pressure testing process. Opening the test chamber is not required in a regular operation neither to insert the tubes, even for removal.

the most transparent: The 360 ° rotatable glass dome has no cross-bracing for optimum view from every angle. All sides of the compact system are in stand at an eye level equally accessible. Neither side or rear walls nor the washing machine, winder, doors, flaps, struts, turntables, tube racks or other structure block the operator the horizontal view to the hose - more insight is not possible.

the most durable: All static components and nearly 100% of all metal components are made of high quality, durable stainless steel (alloy 1.4301) produced in-house in precise processing quality - for unmatched durability and optimum protection against corrosion even with a use of foam concentrates. No other compact system reaches such a lifespan and thus value certainty, not even the cheapest purchase price reaches the economic efficiency of the PRO 1.

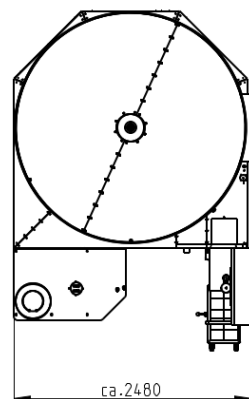
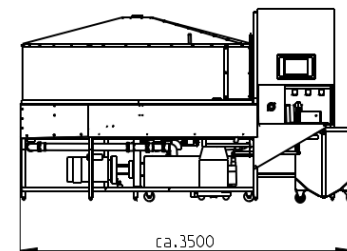
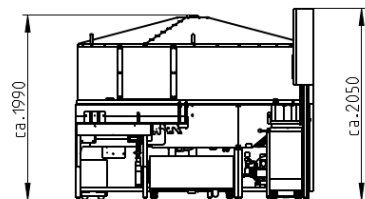
the most complete: The collection and management of hose data takes place via the interactive large touch screen with a Windows-surface during the entire life cycle directly into the system control with an integrated USB interface and direct data import in all common fire service data management programs. An additional, separate computer is not required.

The PRO 1 is unbeaten in all listed categories!

Technical specifications:

Order number:	1-003-030009
Indication:	Fire Hose Maintenance Compact System
Type:	PRO 1
Measurements:	2480 x 3500 x 1990 mm (WxLxH)
Weight:	750 kg
Connected load:	400V AC/50Hz/12,5kW
Water connection:	3/4"
Testing connection:	1 x 45 mm
Test pressure:	0-16 bar
Wash pressure:	0-100 bar
Capacity	
- hose size:	110mm / 75mm / 45mm / 25mm
- hose length:	up to 40 m (75mm)
- hose material:	all known materials
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
(variable)	
	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



PRO 1

Datum: 27.06.2022

Maßstab: 1:50

Technische Details

Netzwasseranschluss:	3/4"	Stromanschluss:	AC / 400 V / 50 Hz
Gewicht:	750 kg	Leistung der Leitung:	12,5 kW

Schlauchpflege-Kompaktanlage