



The smallest of the automatic hose suspension systems with only one lane for fire brigades with small hose maintenance towers.

With a unique suspension and lane carrier concept, a complete charging and discharging performance within 20 minutes, unbeatable space utilisation and conceivably the simplest handling of lightweight, small-scale suspension adapters with optimum integration into the cleaning process of conventional hose maintenance systems and equipment.

KSL - the original: The smallest hose suspension system worldwide ...

The compact hose lift from PREY - KSL for short - combines all the functions of modern suspension technology on just one track. It is based on the universal second-generation suspension adapter and sets new standards in terms of functionality, ergonomics, throughput and energy consumption.

The on-site requirements in the tower head are the pick-up points for load transfer, a service platform, UVV-compliant access and a three-phase current connection. The control is effected via supply lines belonging to the system control, which are laid by our fitters on site from the operating control in the tower base to the tower head.

The KSL automatically carries out the hose mounting and dismounting functions - depending on the requirements, also with electronic connection to a hose maintenance system and in coordination with its processing procedures.

The basis of this versatility is the invention of the second generation universal suspension adapter by PREY in the 1980s. The second generation followed the first generation, which in 1951 marked PREY's invention of the world's first automatic hose suspension system, in which the hoses were initially placed directly in the suspension tracks.

The KSL is usually installed in half towers and combined with maintenance equipment. However, it can also be installed in full towers and combined with full or half towers. Its maximum capacity is to be filled or emptied within 20 minutes.

The differences and unique selling points compared to other hose suspension techniques in detail:

The KSL is ...

the smallest: With variable installation options on the ceiling, walls or beams, a minimum required travel area of the infed drive and the special design of the suspension adapter, which is smaller than a C-coupling, the KSL requires by far the smallest footprint.

the most ergonomic: without exception, all work steps are carried out at waist height without placing the hose on the floor during the mounting and dismounting processes. The very handy, small and light suspension adapters allow you to work quickly and safely without damaging your joints.

the most economical: with minimal construction requirements, frequency-regulated control and an average power consumption of 1.62 kW per hour, it is the most energy-efficient compact hose suspension system in the world - and requires less than 405 W to suspend its maximum capacity of 20 hoses.

the safest: All drives of PREY units are frequency-controlled and load-monitored. The maximum drive forces can be individually adjusted to the existing hose materials and weights and limited by overload cut-offs. The simple designs and handling of the pick-up hook with safety catch and suspension adapter are type-tested and secure the hose pick-up by positive locking.

The KSL – the original!

Technical Data:

Artikelnummer:	1-001-010301
Designation:	Kompakt-Schlauch-Lift
Typ:	KSL
Dimensions:	165 x 1450 x 720 (BxLxH)
weight:	90
Electrical connection	
values:	400V AC/50Hz/0,25kW
Capacities	
- hoses:	A / B / C / D / F
- hose capacities:	until 20 B / 24 C
- hose material:	all materials
Function:	Towing out
	Hang up
	dry
	capture
	storage
	filing
safety functions:	automatic Conveyor overload cut-off
Operating mode:	One-man operation
System:	Automatic
Installation type:	ceiling/wall/floor mounted
	Remote control

combination with:	Hose maintenance system Typ PRO 1
	Hose maintenance system Typ PRO 2
	All Hose care combi units
	High pressure hose washing machine
	Mammoth hose winder
Standard equipment:	Automatic hose winder
	Conveyor and feed drive
	Web grating girders
	Grid
	Conveyor hook with safety catch
Optional accessories:	Support frame
	Revisionstableau
	Double gripper
	Diversion roller
	Adapter wall magazine
	Adapter driving magazine
	Hose suspension adapter