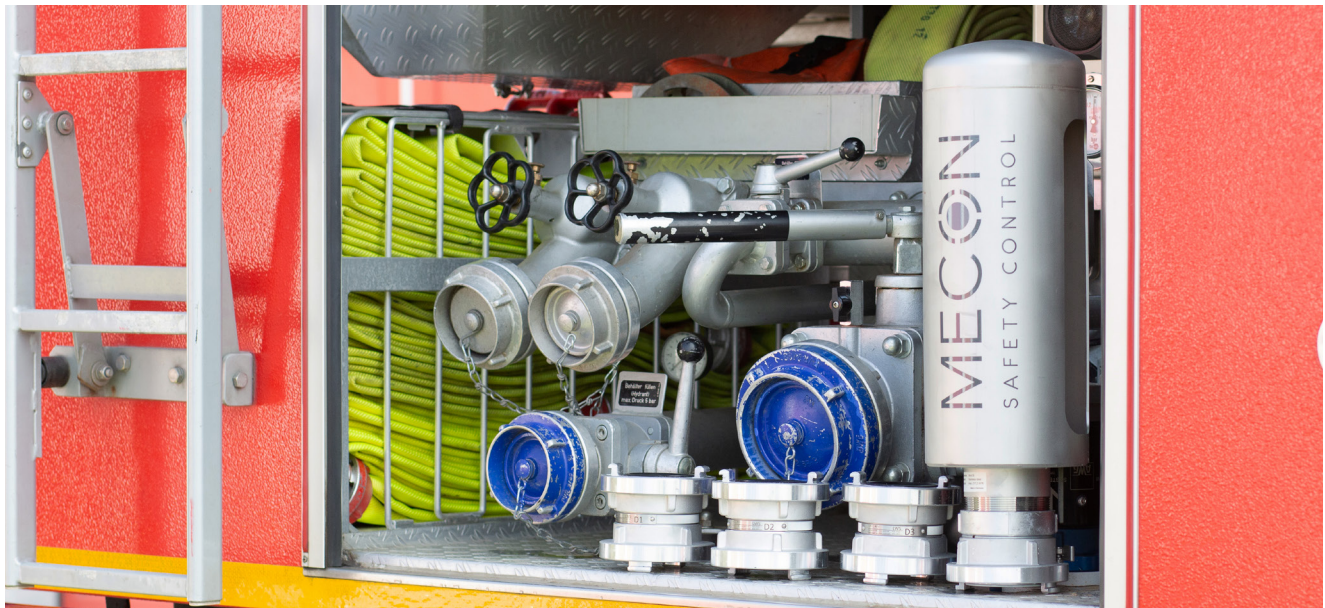




## LWS - RELAY PUMPING SIMULATION

Training system for practicing large-scale operations through the simulation of 2 000 meters (6 560 ft) with only 8 hoses



This innovative training system is specifically designed to optimally prepare firefighters for operations with long distances and to perfect communication between operators. The LWS enables effective training in various scenarios that realistically simulate emergency situations.

Equipped with 3 nozzles that simulate the friction losses of a 2 000 meter (6 560 ft) hose line at 800 l/min (211 USgpm) and a pressure reducer specifically designed for collapsible tanks, the LWS offers everything needed for comprehensive training.

Invest in the future of your fire department with the LWS – for better preparation and increased safety during operations!



### ADVANTAGES

- » Quick setup, short training times
- » Promotes precise radio communication between operators
- » Only three operators and one instructor required
- » Practically tested by operator trainers

## TECHNICAL DATA

### System

Operating pressure	Max. 16 bar (232 psi)
Flow rate pressure reducer	Max. 3 619 l/min (956 USgpm)
Medium	Water

### Weight

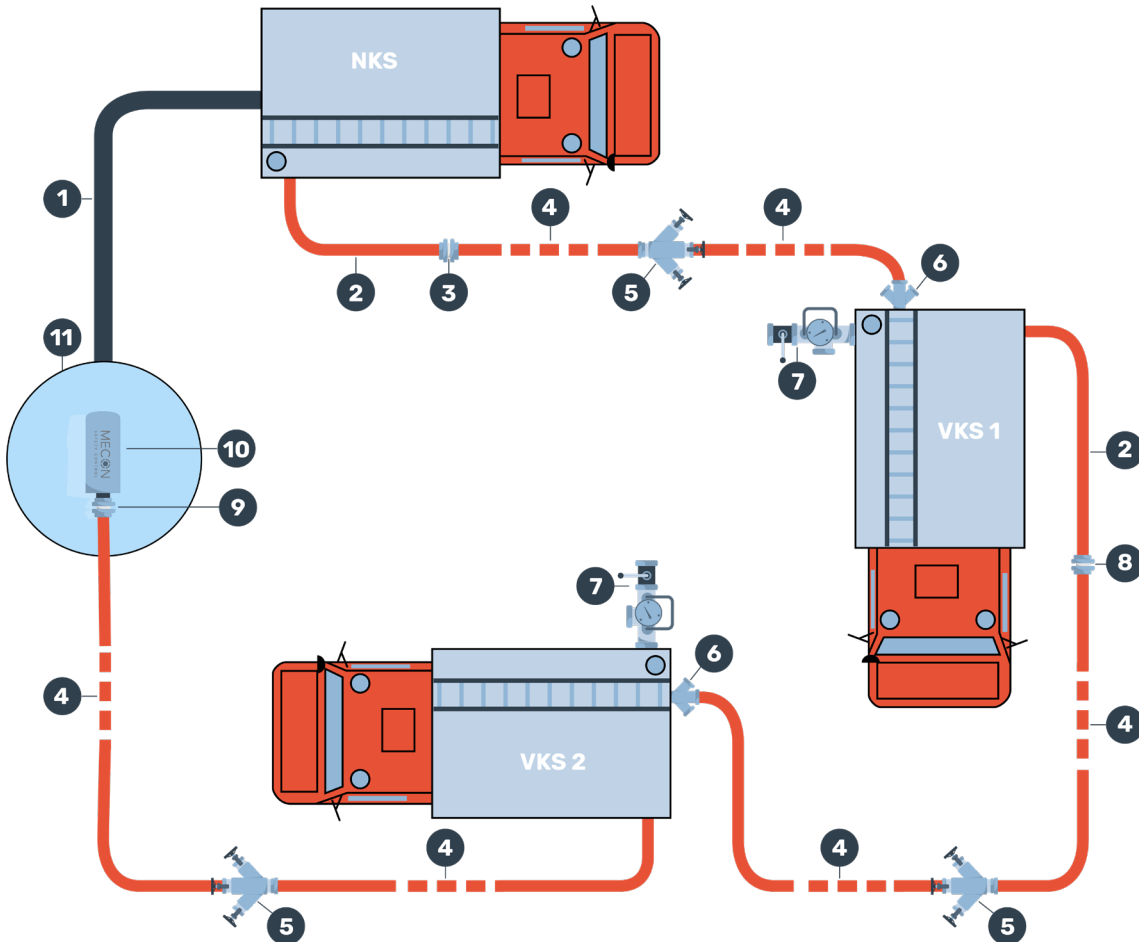
Pressure reducer	Approx. 8.7 kg (19.2 lbs)
Nozzles	Approx. 1.5 kg (3.3 lbs) per nozzle

### Dimensions

Pressure reducer	Approx. 590 x 170 x 170 mm (23.2 x 6.7 x 6.7 in)
Nozzles	Approx. Ø 130 x 110 mm (Ø 5.1 x 4.3 in)

### Pressure values at approx. 1 000 l/min (264 USgpm)

Pump station	P <sub>in</sub>	P <sub>out</sub>
Supply pump (NKS)	-	10 bar (145 psi)
Relay pump (VKS1)	2 bar (29 psi)	10 bar (145 psi)
Relay pump (VKS2)	2 bar (29 psi)	8 bar (116 psi)



- 1 A-suction hose
- 2 B-75 hose 5 m (16.4 ft)
- 3 Nozzle 1
- 4 B-75 hose 20 m (65.6 ft)
- 5 Water divider
- 6 Siamese coupling
- 7 Pressure safety valve + ball valve
- 8 Nozzle 2
- 9 Nozzle 3
- 10 Pressure reducer cylindric
- 11 Portable tank

Fig. 1: Setup LWS deployment simulation

## PRODUCT AND ACCESSORIES

Figure	Product	Order code
	4 Nozzles, pressure reducer Storz B cylindric	LWS0-Set1
	3 Nozzles	LWS0-Set2
	Nozzle, pressure reducer Storz B cylindric	HTLDV080/Z
	Connection pipe with Storz B	ZB-HTL-010
	Replacement nozzle for pressure reducer Storz B cylindric	ZB-LWS-001
	Regulation valve for installation in the simulation section	HTLAR080