

HLZ High Performance In-line Inductors

Application Description

The HL-Z2 and HL-Z4 inductors are developed for general fire brigade applications when long lengths of hoses or heights are to be used, generating high pressure losses.

On standard Inductors, high pressure losses can stop effective foam aspiration. HL-Z foam inductors can be used in combination with low (S) or medium expansion foam branchpipes (M) with same flow performance.

Operation

Variable in-line inductors are used to mix foam concentrate with water, when the foam concentrate is supplied from a tank or can at atmospheric pressure.

This in-line inductor has a better tolerance to back pressure and better foam concentrate suction than a standard in-line inductor.

The HL-Z2 and HL-Z4 inductors are connected to the water line. They can be placed at a distance from the foam branchpipe, as they can accommodate up to 5 bar pressure loss in the hose.

Construction

The HL-Z in-line inductor is constructed for a predetermined water flow at which it creates a drop of approx. 30% in the water pressure.

Foam is drawn through a 25 mm pick-up tube from a container at atmospheric pressure. The preset flow of foam concentrate is continuously added to the water stream.

Friction loss through the hose and static pressure loss of up to 5 bar does not influence the induction rate. This effect is produced by a special control valve built into the base of housing. A non-return valve prevents water flow back into the foam container once the water supply is turned off.

Recommended Foam Concentrate

The inductor is designed to perform with all types of foam concentrates, including high viscosity alcohol resistant concentrates at 1% to 6% proportioning rate.

NB: The foam concentrate used with HLZ High performance Inline inductors should be of a suitable type for the risk to be protected (e.g. ARC foam concentrates for water miscible liquid fires).

For more information or regarding specific guidelines please contact us or email info@skum.com



Product Features

- High Performance In-line inductor
- Fixed induction at 0% to 6%
- Available in 200 and 400 L/min
- Effective with 100m hose to 36m height
- Works with back pressure up to 5 bar
- Perform with all foams including AFFF-ARC

Specification

Inductors	HL-Z2	HL-Z4
Water flow	200 lpm	400 lpm
Length	355 mm	
Height	137 mm	
Proportioning ratio	0 to 6%	
Water Inlet	2" (DN50) female BSP	
Water Outlet	2" (DN50) male BSP	
Foam Inlet	Storz type D	
Weight	4.6kg	

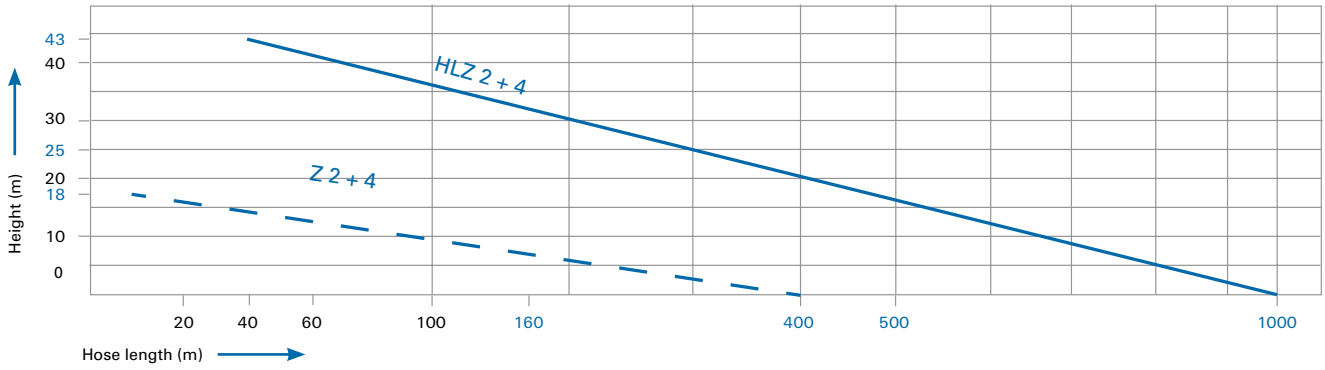
Ordering Information

Part No.	Description
■ 101825025	HL-Z2 Inductor 200 l/min
■ 101825020	HL-Z4 Inductor 400 l/min
■ 101825024	HLZ-Z2 200 l/min c/w C-coupling
■ 101825019	HLZ-Z4 400 l/min c/w B-coupling
■ 101625073	Pick-up tube, 1.5m, c/w D-coupling
■ 101625072	Pick-up tube, 1.0m, c/w D-coupling

Performance

Operating Height vs. Hose Length

Z2 = 42mm hose
Z4 = 72mm hose



Suction Height vs. Proportioning Rate

