

AWG Z-Select

Adapter for adding wetting agents

- Inductors supply liquid foam concentrates of a certain admixing rate to the hose. They are installed in the hose line between the pump and the foam nozzle and can be used with both medium and heavy foam nozzles. Based on an injection principle, a vacuum is created in the suction chamber of the inductor and this in turn suctions the foam concentrate via a suction hose DN 19 with a D-coupling. The foam intake to the inductors is generally System Storz 25=D. It is possible to regulate the inductor between 0 % and 6 %. On request, AWG inductors are also available with other admixing rates.

Less is more? – Effective extinguishing thanks to finely dosed addition of wetting agents for burning solids of class A fires. Especially in combination with hollow stream nozzles DIN 14 367.



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Dosing attachment



Adding wetting agents to the extinguishing water reduces the surface tension of the water considerably and therefore increases the extinguishing effect.

The dosing attachment AWG Z-Select is suitable for all common Z2 and Z4 DIN 14 384 inductors and has an integrated return valve. This means that all these inductors are also capable of exact setting rates of 0.1 %, 0.5 % and 1 %.

The stopping points for the respective settings can be clearly felt. The inductor's control valve is set to > 1 %.

If admixing rates of between 1 % and 6 % are required because a different foam concentrate is used, select the setting Z2/Z4. The dosing process is then regulated via the inductor's control valve.

Working principle

- Connect the Z-Select to the D-coupling of the inductor foam inlet.
- Set the inductor size Z2 or Z4.
- Connect the suction hose D – the coupling on this side can be turned.
- Select admixing rate 0.1 %, 0.5 % or 1 %.

Operating information

The Z-Select works in every installation position just like an inductor in accordance with DIN 14 384. A fitted spring-loaded return valve prevents the water running back into the foam concentrate tank.

The working principle and properties of the inductor Z2 or Z4 are not impaired by the dosing attachment.

When using medium to heavy foam and admixing rates of 3 - 6 %, medium to heavy foam hoses M2, M4 and/or S2, S4 are usually used (flow rate 200 and/or 400 l/min at 5 bar on the foam nozzle).

Therefore when using wetting agents with admixing rates of 0.1 % and 0.5 % and hollow stream nozzles, the flow rates at Z2 need to be at least 200 l/min and at Z4 at least 400 l/min (e.g. Turbo Nozzle 2235 setting 235 l/min, Turbo Nozzle 2400 setting 400 l/min).

Similar to all units that work with foam concentrates, the dosing attachment needs to be cleaned thoroughly – and rinsed with water whilst switching through all the setting points. Also, it can be easily dismantled and reassembled using standard tools. Readjustments are not necessary. The Z-Select can of course be coupled into the foam feed line between two D-suction hoses.

Please observe the recommendations of the foam concentrate manufacturer!

- Fine dosage 0.1 % or 0.5 % for synthetic foam concentrate/wetting agent or foam concentrates class A.
- 1 % for concentrated synthetic foam concentrates or foam concentrates class B.

The operator needs to ensure that the suctioned quantities of foam concentrate are adequate for the respective applications.

Product information

Inlet/outlet	Storz D	Storz D/G1
Length	142 mm	118 mm
Diameter	64 mm	64 mm
Weight	0,700 kg	0,620 kg
Ident-No.	60664933	30004633

Materials

Setting sleeve	Aluminium wrought alloy anodised
Connection piece	Technical plastic
Inner parts	Stainless steel, technical plastic
Couplings	Aluminium wrought alloy