



Description and Operation Instructions:

Foam liquid inductor DIN 14384 Z2 – Z4 – Z8, self priming

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Operational characteristics:

Through the injector effect, most of the water, which passes through the suction chamber at high velocity, creates a negative pressure which draws in the foam liquid. The residual water, whose quantity depends on the difference between inlet- and outlet pressure, passes via a strainer through the automatic control valve. In this way, the max. pressure loss of 38 % required by the standard is maintained in the inductor.

Application:

The Z2, Z4 and Z8 inductors are exactly matched to our foam pipe types S2, S4, S8 and M2, M4, M8 to DIN 14366 as well as to our changeover foam pipe types M2/S2 and M4/S4. With these you can be sure that the necessary water flow rates of 200, 400 or 800 ltr/min are achieved at 5 bar. The operation of the inductor is guaranteed in every position.

The foam liquid is drawn in via the 19 mm dia. suction hose with D-coupling.
The proportioning valve allows a variable admixture of 0 – 6 %. An accurately proportioned admixture is only guaranteed when the foam liquid suction head does not exceed 2 m.
Also, the 19 mm dia. suction hose should be shorter than 5 m.

A non-return ball at the suction inlet prevents the ingress of water into the foam line when the foam pipe is closed and the proportioning valve is open. The suction capacity of the inductors depends on the pressure loss in the line between inductor outlet and foam pipe inlet. This pressure loss should not exceed approx. 3 bar with 10 bar at the inductor inlet. However, if inlet pressures are still higher, a pressure loss of over 3 bar is possible in the line. The pressure up-stream of the inductor should be approx. 7.5 to 12 bar.



**Inductor "heavy" with grip,
casting copper alloy, powder coated
tube aluminium anodized**

Ausführung / Nenngröße	Ein- und Ausgang Storz / Gewinde	Gemischdurchfluss (l / min)	Länge (mm)	Breite (mm)	Höhe (mm)	Gewicht (kg)	Ident-Nr.	Hinweise
Z2R	2 x C	200	365	165	175	4,600	20019395	DIN 14 384
Z2R	2 x 65	200	365	165	175	4,700	60219995	
Z2R	2 x G 2 A	200	305	165	175	4,100	60227595	
Z4R	2 x C	400	365	165	175	4,600	20019495	
Z4R	2 x 65	400	365	165	175	4,700	60316595	
Z4R	2 x B	400	365	165	175	4,900	60305595	DIN 14 384
Z4R	2 x G 2 A	400	305	165	175	4,050	60227695	



**Inductor "L" without Grip,
Suction – part: Polyoxymethylen (POM)
Flange and tube: casting Aluminium, powder coated**

Ausführung / Nenngröße	Ein- und Ausgang Storz / Gewinde	Gemischdurchfluss (l / min)	Länge (mm)	Breite (mm)	Höhe (mm)	Gewicht (kg)	Ident-Nr.	Hinweise
Z2R	2 x 45	200	356	135	152	2,300	60561833	
Z2R	2 x C	200	356	135	152	2,220	60526033	DIN 14 384
Z2R	2 x C	200	356	135	152	5,800	60572199	
Z2R	2 x C	200	356	135	152	3,480	60526099	Kupplungen Messing
Z2R	2 x 65	200	355	141	152	2,400	60535533	
Z2R	2 x G 2 A	200	288	135	152	1,700	20201433	
Z4R	2 x C	400	356	135	152	2,200	60553633	
Z4R	2 x 65	400	355	141	152	2,400	60535633	
Z4R	2 x B	400	355	141	152	2,565	60526133	DIN 14 384
Z4R	2 x G 2 A	400	288	135	152	1,680	20201533	
Z8R	2 x 65	800	355	141	152	2,400	60535733	
Z8R	2 x B	800	355	141	152	2,565	60526233	DIN 14 384