

LOW EXPANSION FOAM BRANCHPIPE

foam branchpipe EN 16712-3



LOW EXPANSION FOAM NOZZLES DATA SHEET



A Unit of IDEX Corporation

Low expansion foam pipes according to EN 16712-3 are for producing fire-extinguishing foam, especially low expansion foam. The water/foam agent mixture will be foamed by suction of air and bring out in a free jet stream.

Low expansion foam is defined after EN 1568-3 as foam with an expansion ratio from ≥ 20 .



LOW EXPANSION FOAM BRANCHPIPE

Characteristics:

- Low expansion foam branchpipe according European Standard EN 16712-3
- For the application of low expansion foam

Technical Data:

- Colour Cod:
 - S2 (200 l/min) = Yellow Product labelling
 - S4 (400 l/min) = Red Product labelling
 - S8 (800 l/min) = Blue Product labelling
- Max operating pressure: 16 bar
- Performance data:

Type	Foam expansion ratio*		Water foam solution flow at p _R (5 bar) [l/min]	Effective throw* at p _R (5 bar) [m]	
	Low expansion	Medium expansion		Low expansion	Medium expansion
S2	13	-	200	23	-
S4	10	-	400	25	-
S8	13	-	800	33	-

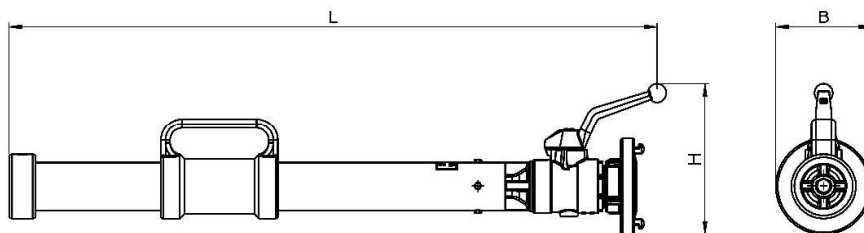
* measured with foam concentrate: STHAMEX®-K 1% F-15 #9143
 STHAMEX® 3% F-15 #9348

Id.-Nr.	Type:	Water foam solution flow [l/min]	Inlet	Length	Width	Height	Weight [kg]
				[mm] L	[mm] B	[mm] H	
60386234	S2	200	DSP 40 MV	738	78	177	2,4
60310899	S2	200	Inst. 2 ½" male	738	88	177	2,2
60460133	S2	200	Storz 45	738	88	177	2,0
10052734	S2	200	Storz 52 (C)	738	98	184	2,7
60351434	S2	200	BSP G2" male	738	88	177	2,3
60472534	S4	400	Storz 38	866	85	177	3,2
60395234	S4	400	Storz 65	866	118	196	3,5
10053834	S4	400	Storz 75 (B)	866	126	198	3,6
60313999	S4	400	Storz 52 (C)	866	118	184	3,4
60310999	S4	400	Inst. 2 ½" male	866	85	177	3,4
60386334	S4	400	DSP 40 OV	866	85	177	3,4
60621734	S4	400	DSP 65 OV	866	85	177	3,4
60351534	S4	400	BSP G2" male	866	85	177	3,1
60552534	S4	400	Gost 50	866	98	184	3,4
60644533	S4	400	Gost 70	866	128	186	3,5
60585433	S4	400	Gost 80	866	142	192	3,9
60483033	S8	800	Storz 65	975	118	196	4,3
60278299	S8	800	Storz 75 (B)	975	126	198	4,4
10066633	S8	800	BSP G2" male	975	90	177	4,0
60457133	S8	800	Inst. 2 ½" male	975	90	177	4,3

LOW EXPANSION FOAM BRANCHPIPE

Material: Aluminium anodized
 Stainless steel
 Seals & protective ring made of NBR

Sketch:



General data:

Manufacturer	AWG Fittings GmbH		
Type	Low expansion foam branchpipe		
Flowrate (l/min) at p_R (5 bar)	S2	S4	S8
	200	400	800

Requirements:

DIN EN 16712-3		Item	Required by this European Standard			Result		
Operating and handling elements	Mass [kg]	S2	S4	S8	S2	S4	S8	
		<3	<5	<6	2,7	3,6	4,4	
	Torque, required for moving controls [Nm]	S2	S4	S8	S2	S4	S8	
		< 20		< 35	10			
Performance	Effective throw (m) at p_R (5 bar)	S2	S4	S8	S2	S4	S8	
	- with water (except type M)	>15	>25	>30	25	27	35	
	- with foam concentrate	>12	>20	>25	23	25	33	
Physics	Sensitivity to heat (°C)	≥ +55			+80			
	Sensitivity to frost (°C)	≤ -15			-25			