

# MEDIUM EXPANSION FOAM BRANCHPIPE

## foam branchpipe EN 16712-3



## MEDIUM EXPANSION FOAM NOZZLES DATA SHEET

**AWG**

A Unit of IDEX Corporation



Medium expansion foam pipes according to EN 16712-3 are for producing fire-extinguishing foam, especially medium expansion foam. The water/foam agent mixture will be foamed by suction of air and bring out in a free jet stream. Throughout the integrated refiner screen a high expansion ratio is possible.

Medium expansion foam is defined after EN 1568-3 as foam with an expansion ratio from  $\geq 20$  to  $< 200$ .

# MEDIUM EXPANSION FOAM BRANCHPIPE

## Characteristics:

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

## Technical Data:

- Colour Cod:
  - M2 (200 l/min) = Yellow Product labelling
  - M4 (400 l/min) = Red Product labelling
  - M8 (800 l/min) = Blue Product labelling
- Max operating pressure: 16 bar
- Performance data:

Type	Foam expansion ratio*		Water foam solution flow at p <sub>R</sub> (5 bar) [l/min]	Effective throw* at p <sub>R</sub> (5 bar) [m]	
	Low expansion	Medium expansion		Schwerschaum	Low expansion
M2	-	50	200	-	7
M4	-	50	400	-	10
M8	-	60	800	-	13

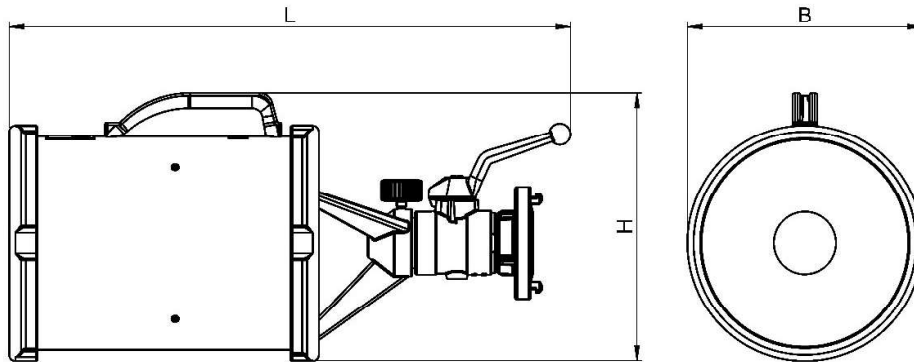
\* measured with foam concentrate: STHAMEX®-K 1% F-15 #9143  
STHAMEX® 3% F-15 #9348

Id.-Nr.	Type:	Water foam solution flow [l/min]	Inlet	Length [mm]		Width [mm]		Height [mm]	Weight [kg]
				L	B	H	H		
60386699	M2	200	DSP 40 OV	533	194	232	3,9		
60562999	M2	200	Storz 45	553	194	232	4,3		
60395499	M2	200	Storz 65	533	194	232	4,4		
60251699	M2	200	Storz 52 (C)	533	194	232	3,6		
60351699	M2	200	BSP G2" male	533	194	232	3,4		
60382499	M2	200	Inst. 2 1/2" male	533	194	232	3,5		
60251899	M4	400	Storz 75 (B)	632	265	302	5,6		
60314199	M4	400	Storz 52 (C)	632	265	302	4,8		
60351799	M4	400	BSP G2" male	632	265	302	4,7		
60528299	M4	400	Gost 50	632	265	302	4,8		
60756033	M4	400	Gost 70	632	265	302	5,0		
60382599	M4	400	Inst. 2 1/2" male	632	265	302	5,6		
60373299	M8	800	Storz 75 (B)	765	304	350	7,5		
60400399	M8	800	BSP G2" male	765	304	350	6,1		
60587099	M8	800	Inst. 2 1/2" male	765	304	350	6,3		

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

# MEDIUM EXPANSION FOAM BRANCHPIPE

Sketch:



General data:

<b>Manufacturer</b>	AWG Fittings GmbH		
<b>Type</b>	Medium expansion foam branchpipe		
<b>Flowrate (l/min) at <math>p_R</math> (5 bar)</b>	M2	M4	M8
	200	400	800

Requirements:

		DIN EN 16712-3	Item	Required by this European Standard			Result		
Operating and handling elements	Mass [kg]	M2	M4	M8	M2	M4	M8		
		<6	<7	<10	3,6	5,6	7,5		
	Torque, required for moving controls [Nm]	M2	M4	M8	M2	M4	M8		
		< 20		<35	10				
Performance	Effective throw (m) at $p_R$ (5 bar)	M2	M4	M8	M2	M4	M8		
	- with water (except type M)	-	-	-	-	-	-		
	- with foam concentrate	>7	>8	>12	7	10	13		
Physics	Sensitivity to heat (°C)	≥ +55			+80				
	Sensitivity to frost (°C)	≤ -15			-25				