

# LOW EXPANSION FOAM BRANCH

450 LPM, ALUMINIUM, NON SELF-INDUCTING



LX (Low Expansion) Foam Branches are handheld equipment, used to project mechanical foam from a distance onto fires which involve flammable liquids. Non Self-Inducting Foam branches have to be fed with foam solution, either using Inline inductors, or directly from Foam Tenders.

**Brief Description :** AAAG LX (Low Expansion) Foam Branch of nominal foam solution capacity 450 lpm (FB 10X) at 7.0 Kg/cm<sup>2</sup>, constructed of Aluminium material. Branch shall produce good quality low expansion foam (min. 10 times expansion) and have effective throw.

## 1.0 GENERAL DATA

1.1	Make	AAAG
1.2	Model	Foam Making Branch Pipe FB 10X (450 lpm)
1.3	Inlet	63mm Instantaneous Male Inlet
1.4	Outlet	Foam Discharge Pipe
1.5	Material of Construction	Aluminium
1.6	Reference	IS: 2097

## 2.0 MATERIAL OF CONSTRUCTION

2.1	Pipe	Aluminium IS:7882
2.2	Inlet body	Aluminium Gr. 4450 IS:617
2.3	Holding Ring & Handle	Aluminium Gr. 4450 IS:617
2.4	Inlet Male Instantaneous	Gunmetal IS:318 LTB2

## 3.0 TESTING AND QUALITY CONTROL

3.1	Dimensional check	As per IS:2097 (See Drawing Below)
3.2	Performance Requirements	Flow: 450 lpm at 7.0 kgf/cm <sup>2</sup> , Range 18 Mtrs (min) Foam expansion 1:10 (min).
3.3	Documentation	Internal inspection report, supplier's certificates, approved laboratory test certificates

## 4.0 OPERATIONAL/ TECHNICAL DATA

4.1	Working pressure	5.0 to 10 Kgf/cm <sup>2</sup>
4.2	Length (Approx)	930 mm
4.3	Weight (Approx.)	5.2 Kgs.

## 5.0 FINISH

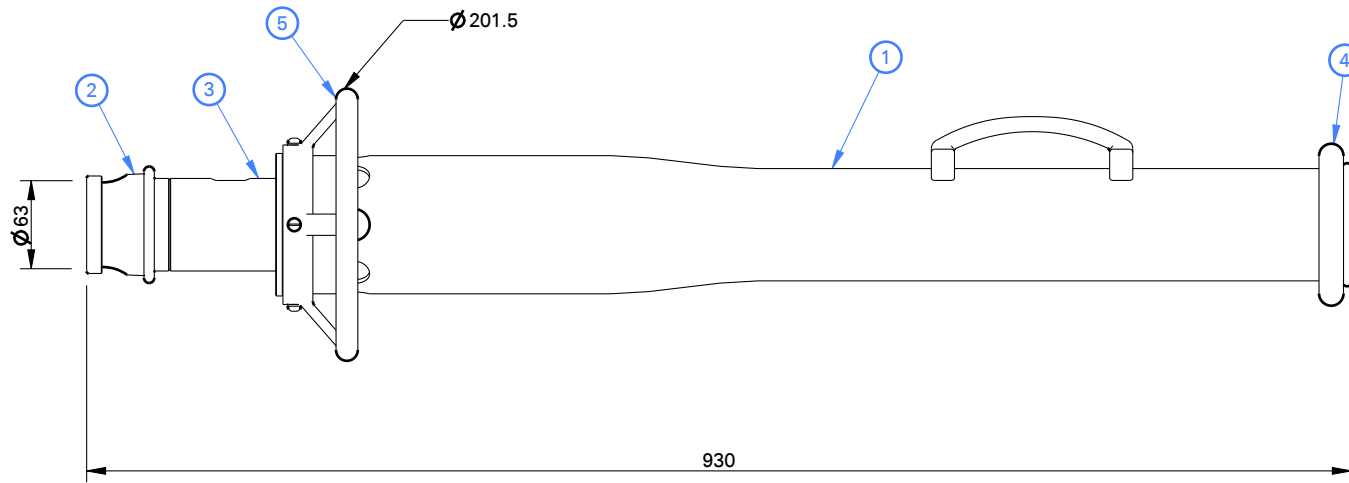
5.1	Branch	Painted - Fire Red Color as per IS: 5 Shade No. 536
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## 6.0 APPROVALS & MARKING

6.1	Approvals	--
6.2	Marking on Nozzle	AAAG/ Year of Mfg./ Capacity/ SL. No

## 7.0 WARRANTY

7.1	Warranty & Guarantee	12 Months from the date of supply
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PERFORMANCE DATA						
TYPE	PRESSURE (KGF/CM2)	DISCHARGE CAP. LPM WATER		FOAM %	THROW Mtrs.	EXPANSION Min.
		Min.	Max.			
FB 10 X	7 TO 7.5	450	500	3 TO 4	18	10 TIMES

1	Pipe	Alu. IS: 738
2	Male Inst.	G.M IS: 318 LTB-2
3	Body	Alu. IS: 617
4	Oring	Rubber IS: 937
5	Handle/Grip	Alu. IS: 617
NO.	DESCRIPTION	MATERIAL
PART LIST		



**Shah Bhogilal Jethalal & Bros.**

AHMEDABAD

**TITLE :**

Low Expansion Foam Branch, 450 Lpm Capacity,  
Aluminium, Non Self-Inducting

**SCALE**

N.T.S

**DRAWING NO:**

A262-450BJ

**SHEET**

1 OF 1

**REV.**

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