

## FIXED INLINE INDUCTOR

SS316, 80 NB SIZE



Fixed Inline Inductors are used in fixed foam systems for inducing the correct amount of foam concentrate into the water stream. For correct operation, the Inductor flow and pressure must be matched to the discharge devices such as Foam Chambers, Foam Pourers or Spray nozzles

**Brief Description :** AAAG Fixed Inline Inductor, made of SS316, Flow range – 400 to 900 lpm, Inlet-Outlet size 80 NB, flanges as per ANSI 16.5 150# (or as per request), with suitable size Foam compound inlet for specified induction rate. Inline Inductors shall have hydraulically efficient design, with maximum pressure drop across inductor not exceeding 35%.

### 1.0 GENERAL DATA

1.1	Make	AAAG
1.2	Model	ILF80
1.3	Inlet/Outlet	80 NB Flange (ANSI 16.5 150#)
1.4	Foam Compound Inlet	1¼" Threaded connection (FBSP)
1.5	Material of Construction	Stainless Steel (SS 316)
1.6	Induction Rate	3%/ 6%
1.7	Reference	--

### 2.0 MATERIAL OF CONSTRUCTION

2.1	Body/Pipes	SS 316 IS:3444 Grade IV
2.2	Flanges	SS 316 IS:3444 Grade IV (ANSI 16.5 150lbs)
2.3	Foam Compound Inlet	Gunmetal IS:318 LTB2
2.4	Nozzle/Diffuser	Gunmetal IS:318 LTB2

### 3.0 TESTING AND QUALITY CONTROL

3.1	Dimensional check	See Drawing below
3.2	Operational test	Flow test (specified flow@7 kgf/cm <sup>2</sup> )
3.3	Documentation	Internal inspection report, supplier's certificates, approved laboratory test certificates

### 4.0 OPERATIONAL/ TECHNICAL DATA

4.1	Working pressure	5 to 12 Kgf/cm <sup>2</sup>
4.2	Length (Approx.)	375 mm
4.3	Weight (Approx.)	---

### 5.0 FINISH

5.1	Inductor	Natural/polished
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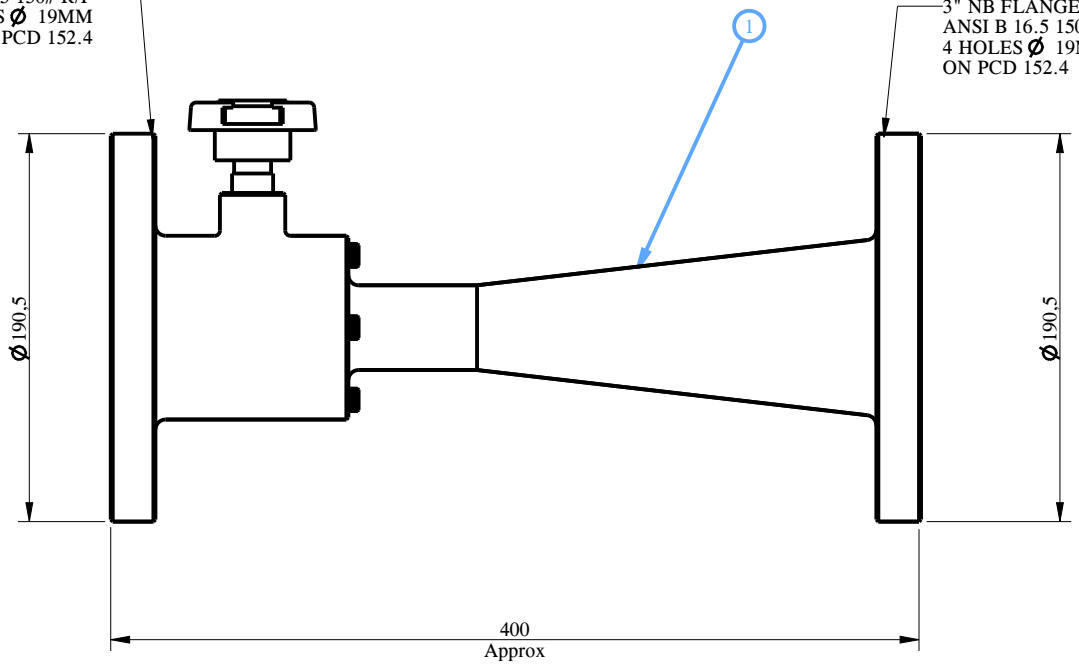
### 6.0 APPROVALS & MARKING

6.1	Approvals	--
6.2	Marking	AAAG/ Year of Mfg./ Capacity/ Sl. No

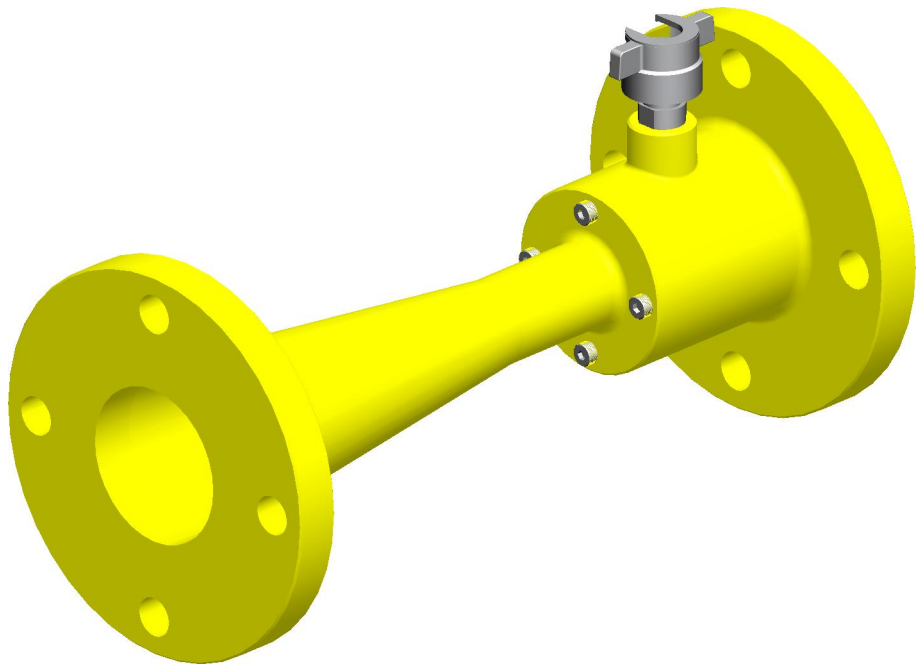
### 7.0 WARRANTY

7.1	Warranty & Guarantee	12 Months from the date of supply
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3" NB FLANGE AS PER  
ANSI B 16.5 150# R/F  
4 HOLES Ø 19MM  
ON PCD 152.4



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**Notes :**  
Capacity : 400 To 900 Lpm @ 7 Kgf/Cm2  
Induction : 3% / 6%

**AAAG** SINCE 1933 **Shah Bhogilal Jethalal & Bros.**  
AHMEDABAD

**TITLE :** Fixed Inline Inductor, 400-900 Lpm Capacity,  
SS 316, Conventional Design

1	Fixed Inline Inductor	SS 316 IS:3444 Gr-4
NO.	DESCRIPTION	MATERIAL
PART LIST		

SCALE	DRAWING NO:	SHEET	REV.
N. T. S	SM285-80BJ	1 OF 1	0