FIRETECH
Transforming Challenges with Expertise

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INLINE FOAM INDUCTOR - FIXED WAFER TYPE

SPECIAL FEATURES

- Fixed Wafer Type
- Working Pressure: 7 Bar to 12 Bar
- Model B Flow: 225 LPM, 350 LPM, 500 LPM
- Mode C Flow: 635 LPM, 770 LPM, 900 LPM
- MOC: Stainless Steel (SS304/SS304L/ SS316/SS316L)
- Finish: Painted Fire Red of Shade no: 536 of IS:5

DESCRIPTION

FIRETECH Wafer Type Inline Foam Inductor is designed primarily for usein fixed installations and provides a simple and reliable method of proportioning foam concentrate in constant flow applications.
The range contains two models - Model B delivers flow rates of 225, 350, and 500 LPM, whereas Model C is available in 635, 770, and 900 LPM capacities. Within this range, the induction range is 3% at inlet pressure between 7 BAR to 12 BAR. It is manufactured with body and nozzles made up of Stainless Steel (SS:304, 304L, 316, 316L). The principle of an inductor gives a specific characteristic for performance.

As there are no moving parts, this makes the device reliable and avoids fluctuation in performance. The inductor is therefore the most reliable fixed-flow proportioning device possible.

INSTALLATION GUIDE

During installation, the water line must be in nominal dimension and straight length for a minimum of 5 x DN at the inlet and 5 x DN at the outlet to ensure low turbulence through the inductor. Turbulence may cause the inductor to fail to induct foam. Flow resistance on outlet

FIRETECH EQUIPMENT & SYSTEMS PVT. LTD.
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piping and nozzles must be as low as possible. Foam suction line must be dimensioned for less than 2 m/sec foam velocity. No pipe fittings or parts with rough inside surfaces should be installed. Only full-bore valves must be used. No strainer or other restrictions must be installed. The normal pressure suction height should be less than 0.25 bar. Inductors can be installed both in horizontal and vertical positions.

APPLICATION

FIRETECH Wafer Type Inline Foam Inductor is a very versatile and reliable foam proportioning unit, which provides accurate and automatic foam proportioning with very low proportioning losses.

The Wafer Type Inline Foam Inductor is a self-inducting system that works on the principle of venturi to suck the foam concentrate from the foam storage tank for proportioning.

Wafer Type Inline Foam Inductor is most ideal for foam systems employed for the protection of hazardous areas, such as

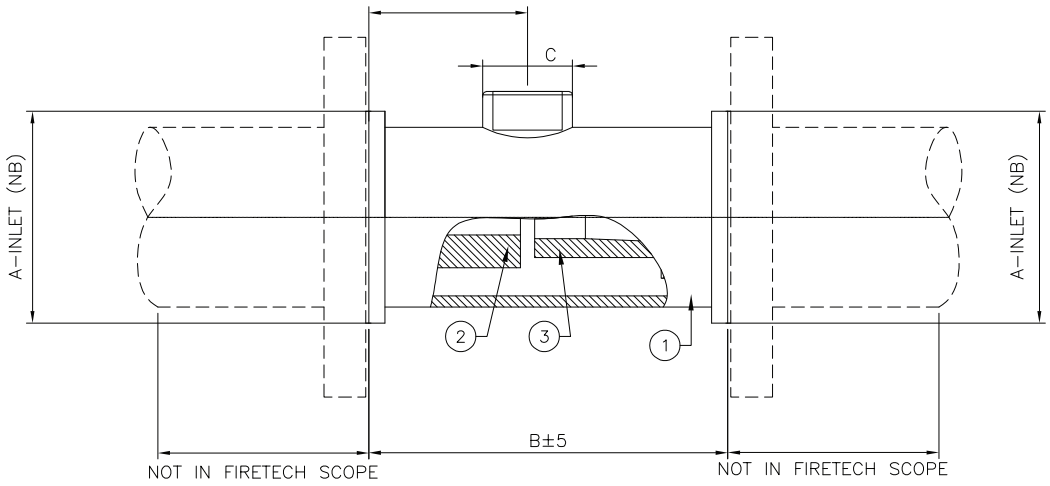
- Flammable Liquid Storage Tanks in Refineries and Petrochemical Units
- Chemical Process Plants
- Aircraft Hangars
- Loading & Unloading Gantries.
- Oil Jetties
- Off-Shore Platforms
- Warehouses
- Foam application through Spray Nozzle and Foam Sprinkler

ORDERING INFORMATION

While ordering a FIRETECH Wafer Type Inline Foam Inductor unit specify the following:

- Item Code
- Material of Construction for Various Components
- Optional Requirements
- Quantity
- Flanges are to be ordered separately

Please refer FIRETECH Product Datasheet for more technical details. For further details on application, installation, commissioning, and on-site testing, contact FIRETECH.



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MATERIAL OF CONSTRUCTION

S.NO:	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (SS304/SS304L/ SS316/SS316L)
2	PRIMARY NOZZLE	STAINLESS STEEL (SS304/SS304L/ SS316/SS316L)
3	SECONDARY NOZZLE	STAINLESS STEEL (SS304/SS304L/ SS316/SS316L)

Model B (DIMENSIONAL DETAILS)

ITEM CODE	FOAM SOLUTION FLOW IN LPM @ 7 BAR	FOAM INDUCTION IN %	A 'NB' IN mm	B IN mm	C 'NB' IN mm	D IN mm
WT-I-B1	225	3%	65	65	25	80
WT-I-B2	350	3%	65	65	25	80
WT-I-B3	500	3%	65	65	25	80

Model C (DIMENSIONAL DETAILS)

ITEM CODE	FOAM SOLUTION FLOW IN LPM @ 7 BAR	FOAM INDUCTION IN %	A 'NB' IN mm	B IN mm	C 'NB' IN mm	D IN mm
WT-I-C1	635	3%	80	180	25	80
WT-I-C2	770	3%	80	180	25	80
WT-I-C3	900	3%	80	180	25	80

TECHNICAL DETAILS

1	WORKING PRESSURE: 7 BAR TO 12 BAR
2	HYDRO TEST PRESSURE: 18 BAR FOR 5 MINS.
3	FINISH: PAINTED FIRE-RED TO SHADE NO:536 OF IS:5
4	INLINE FOAM INDUCTOR SHOULD BE USED IN HYDRAULICALLY DESIGNED SYSTEM ONLY.
5	MIN.STRAIGHT RUN PIPE OF 5D LENGTH TO BE PROVIDED AT INLET & OUTLET PIPING

NOTES:

1] WORKING PRESSURE SPECIFIED IS AT THE INLET OF INLINE FOAM INDUCTOR.

2] ALL DIMENSION ARE IN mm, UNLESS OTHERWISE SPECIFIED.

3] COMPATIBLE WITH 3% AFFF FOAM.

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