

# FOAM MAKER



IMEN MAHAN ARYA  
[www.lmacofire.com](http://www.lmacofire.com)

## TECHNICAL DATA

<b>MODEL</b>	IMF50-IMF65 Carbon Steel Stainless Steel
<b>INLET SIZE</b>	2" , 2 ½"
<b>WORKING PRESSURE</b>	Min 2.5 barg. Max 12 barg
<b>FLANGE CONNECTION</b>	ANSI B 16.5 class150#
<b>FINISH</b>	Red RAL 3000
<b>APPROVAL</b>	UL , FM , TUV , Knowledge Base, University of TEHRAN
<b>ORDERING INFORMATION</b>	Specify: 1 .Model 2 .Inlet size 3 .Inlet pressure 4 .Flow solution flow requirement 5 .Inlet and outlet flange 6 .Type of foam concentrate used



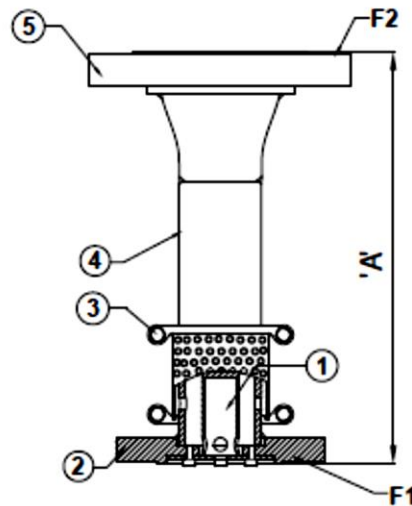
## Description

The ImacoFire Foam Maker is used for one of the most common applications of protecting tank seal in vertical liquid storage tank with internal floating roof with low expansion foam system. The application of aspirated foam is on the basis of the risk comprising the area in the annular ring between the rim of the floating roof and the tank shell. The Foam system design guidelines generally used are in accordance with NFPA11 standard. The Foam Makers are defined by NFPA 11 as Type II discharge outlets for delivering the low expansion aspirated foam to the seal. The Foam Makers are widely used with the Inline Foam Inductor, Balance Pressure Foam Proportioning system, Bladder Tank system and Foam tenders.



## TESTING AND MAINTENANCE

*Qualified and trained person must commission the system. After few initial successful tests, an authorized person must be trained to perform inspection and testing of the system. It is recommended to carry out physical inspection of the system regularly. The system must be fully tested at least once in a year or in accordance to standards of the organization having local jurisdiction. Do not turn off the system or any valve to make repair or test the system, without placing a roving Fire Patrol in the area covered by the system. The Patrol should continue until the system is put back in service. Also inform the local security guard and control alarm station, so as to avoid false alarm. Each system is to be flushed properly. To test the Foam Maker without discharging the foam into the tank seal area, the foam maker is to be rotated 180o away from the wind shield. The air screen is to be inspected periodically for obstruction of air inlet holes. If any obstruction is noticed, remove the same and flush if necessary. The foam maker outlet and pourer, if exposed to atmospheric condition, should be periodically inspected for nest and other obstructions. Any obstruction if noticed must be removed and flushed to clear the discharge path.*

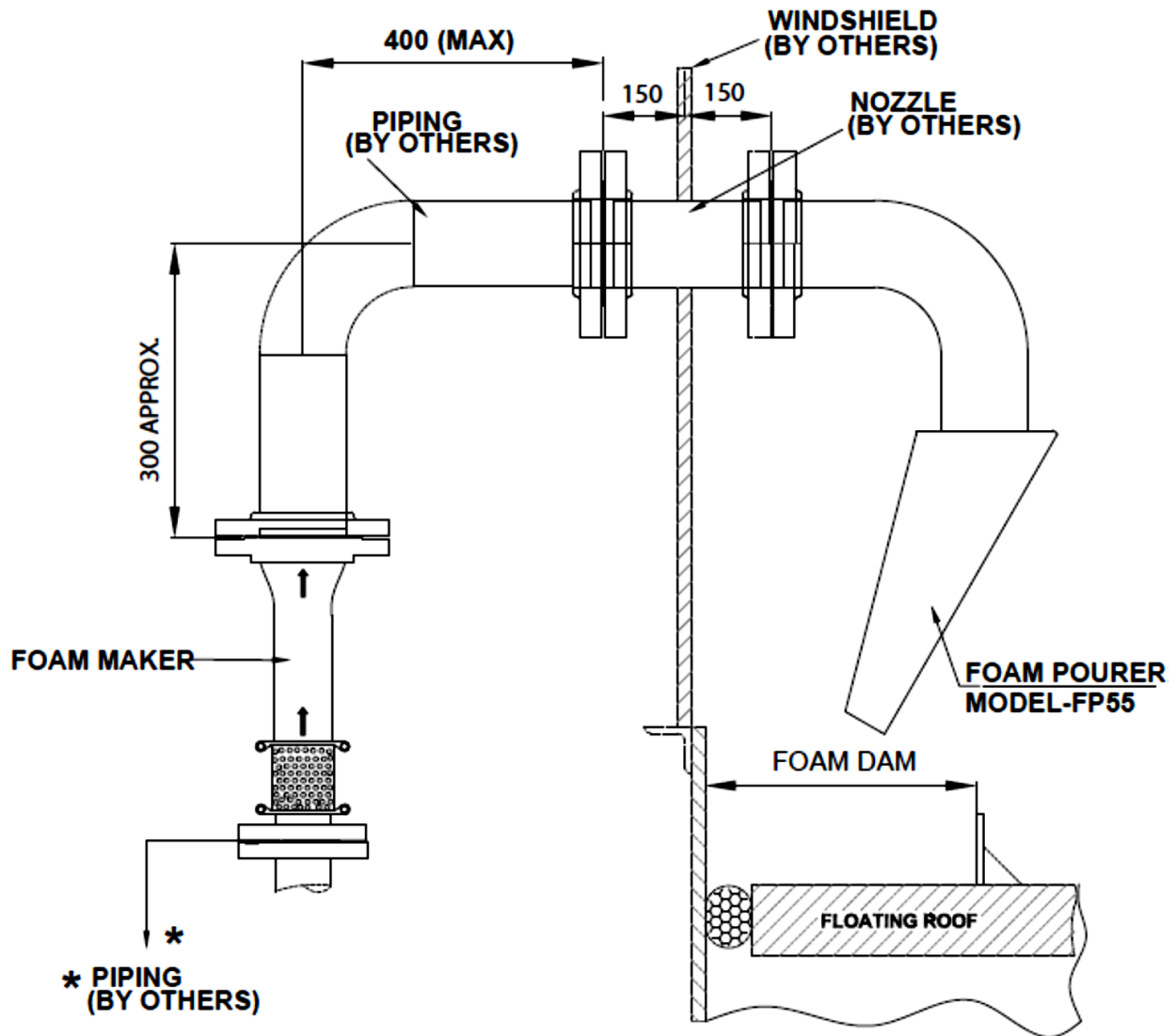




## Part List

ITEM NO.	Description	Material Specification	
		IMF(Carbon steel)	IMF(Stainless steel)
1	Orifice Assembly	Stainless Steel	Stainless Steel
2	Inlet Flange	Steel	Stainless Steel
3	Strainer Assembly	Stainless Steel	Stainless Steel
4	Foam Making Chamber	Steel	SS Pipe
5	Outlet Flange	Steel	Stainless Steel

## Typical Installation of Foam Maker with Foam Pourer





## *Pressure vs Flow Performance Characteristic*

