

Rim seal foam pourer



IMEN MAHAN ARYA
www.lmacofire.com

TECHNICAL DATA

MODEL	IMF-RFP
MATERIAL	Carbon Steel Stainless Steel
WORKING PRESSURE	2.5 to 8 bar g.
FLANGE CONNECTION	2.5" ansi #150
Internal Coating	Electro static powder coated
External Coating	Electro static powder coated
Water Piping	Carbon steel
Internal part	Stainless steel
APPROVAL	UL and FM certified by TUV-ICB, Knowledge Base, University of TEHRAN
ORDERING INFORMATION	Specify 1) body material 2) painting

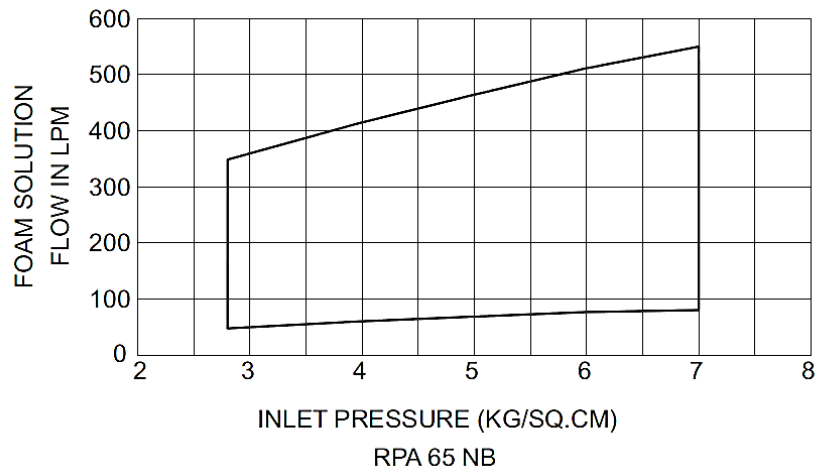


Description

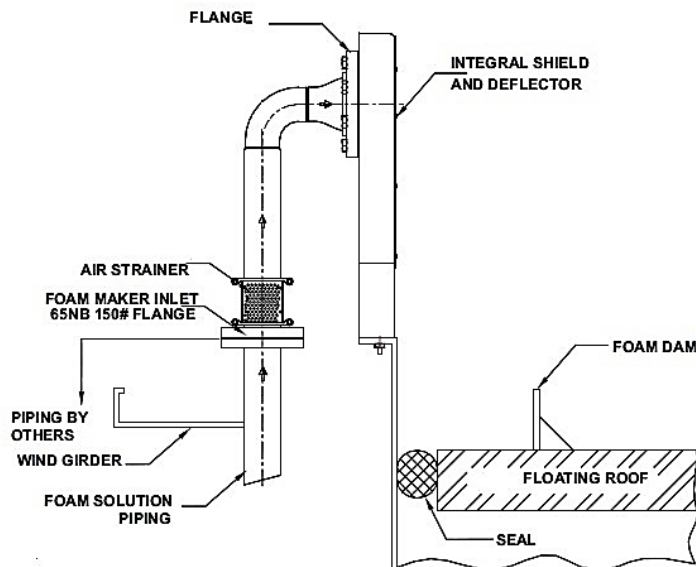
The ImacoFire Rim Seal Foam Purer consists mainly of Foam Maker, a windshield and an integral deflector. The IMF-RFP is designed to deliver fully aspirated foam directly to the annular seal area of open top floating roof tank. The Foam system design guidelines generally used are in accordance with NFPA 11 standard. Rim Seal Foam Pourers are defined by NFPA 11 as Type II discharge outlets for delivering the low expansion aspirated foam to the seal. The Rim Seal Foam Pourers are widely used with Inline Foam Inductor, Balance Pressure Foam Proportioning System, Bladder Tank system or Foam tenders. IMACOFIRE rim seal foam pourer covers a wide range of foam solution rates from 50 to 550 liters per minute at 2.8 to 7 kg/ sq.cm inlet pressure. Each rim seal foam pourer is supplied with an orifice plate, designed for the required flow at inlet pressure. The orifice is field replaceable in the event of change in design parameters. The foam is produced by introducing air into the foam solution stream. The inlet of foam maker is designed to create venturi jet which draws air into the foam solution stream. The air is drawn into the foam solution through holes located on the foam maker covered with stainless steel screen to exclude nesting birds and insects.



PRESSURE VS FLOW PERFORMANCE CURVE



TYPICAL INSTALLATION OF RIM SEAL FOAM POURER



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(i) WARNING

Inspection and testing is to be carried out only by authorized and trained personnel. DO NOT TURN OFF the water supply or close any valve to make repair(s) or test the valve, without placing a roving fire patrol in the area protected by the system. Also inform the local security personnel and central alarm station, so that a false alarm is not signalled. It is recommended to carry out physical inspection of the system at least twice in a week.

The inspection should verify that all the control valves and Tank are in proper position as per the system requirement and no damage has taken place to any component.