

Geodesic Rimseal Pourer

For the protection of floating roof tanks with geodesic roofs

- Self-supporting pipework
- Comprises of a foam generator and low level foam pourer
- Operating pressure between 3 and 10 bar
- Flows from 54lpm through to 261lpm



Angus Rimseal Foam Equipment is used for the protection of vertical Open Top Floating Roof (OTFR) storage tanks. Some OTFR tanks are fitted with Geodesic lightweight roofs to maximise vapour recovery and to keep the weather out. These lightweight roofs are often of a construction that will not support the weight of a conventional fixed foam pourer. Provided the tank roofs are fitted with rimseal foam dams, there is now the option of fitting the Angus Geodesic Rimseal Pourer. These units comprise of a Rimseal Foam Generator (RFG) which produces expanded foam

when supplied with foam solution and a Geodesic Rimseal Pourer which delivers the foam gently into the rimseal area.

The Geodesic Rimseal Pourer is a slim profile unit with capacities ranging from 54 litres/minute at 3 bar to 261 litres/minute at 10 bar. The low expansion pourer is factory-calibrated to deliver a specified flow at a given pressure within the limits shown below.

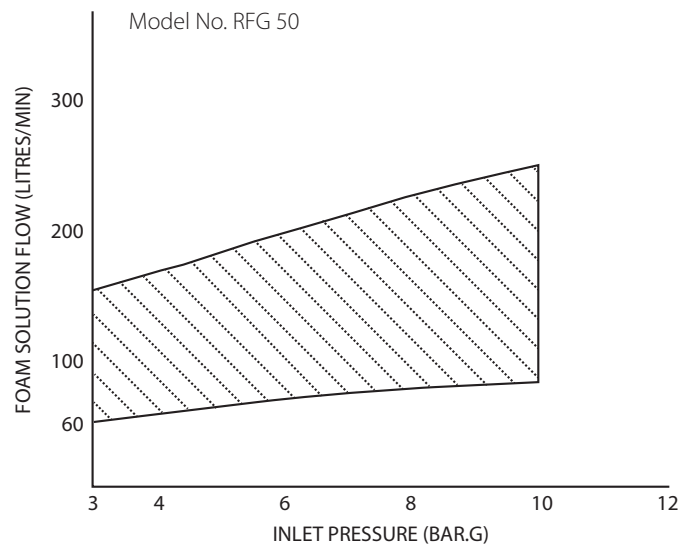
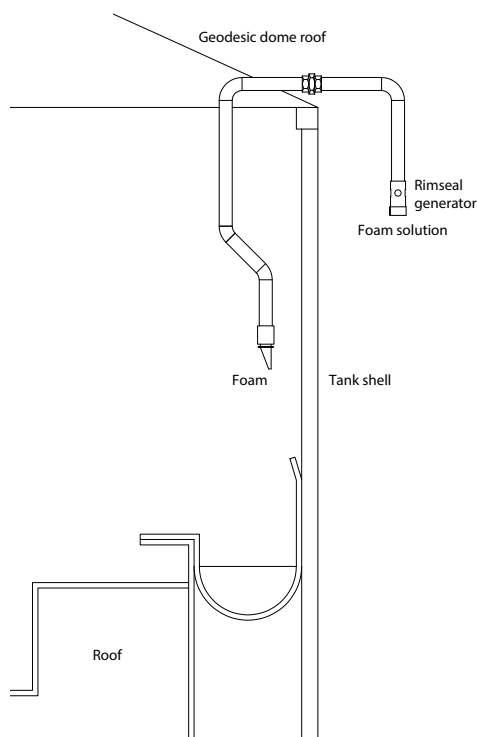
The Geodesic Rimseal Pourer is a low-profile unit which delivers the foam gently on to the tank wall. The front shield allows fully developed

foam to emerge in a cohesive blanket that flows intact onto the inside wall of the tank. For new tanks, the Geodesic Rimseal Pourers can make the most cost-effective use of foam concentrate and water resources by producing the designed foam solution application rate.

Accurate factory-calibration ensures full compatibility with existing foam concentrate induction systems.

Angus Rimseal Foam Equipment is suitable for use with Angus low expansion foam concentrates.

For more information please contact Angus Fire.



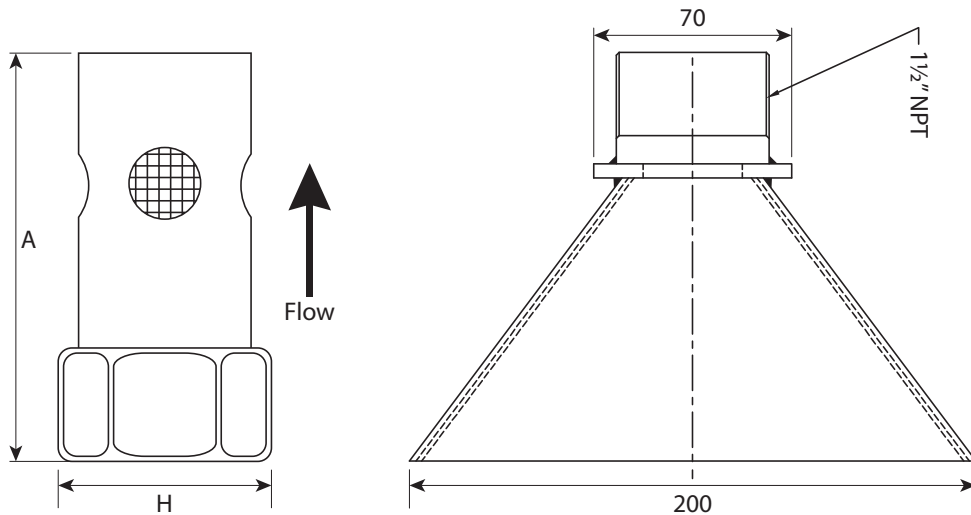
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The fire protection of geodesic dome tanks is a challenge as the height restriction often prevents the use of Rimseal or Top Pourers. Despite the fixed roof the risk area for firefighting remains the seal between the floating roof and the tank wall. Therefore a slim 'Through the Roof' profile pourer is required.

The Geodesic Rimseal Pourer from Angus Fire is designed to be supported by its pipework and be efficient against rim seal fires. The pipework is recommended as 2" NB Schedule 40 with yellow thermoplastic paint finish.

Please contact Angus Fire with details of the tank geodesic roof construction, so that our engineers can offer the correct discharge nozzle and mounting system.



Specification Data		RFG 50	LLP 40
Dimension	A (mm)	159	
	H (mm)	75 AF Hex	
Inlet Connection		2" NPSC (f)	1 1/2"
Outlet Connection		2" NPSC (f)	
Materials Body		Cast Iron to BS 2789 Grade 420/12	Carbon Steel
Internal Fitting		Stainless Steel to BS 970 316S31	
Finish		Yellow Thermoplastic Powder Coated	Yellow Thermoplastic Powder Coated
Approx Weight (Kg)		3.5	1.0

Operating Data	
Operating Pressure	3 bar to 10 bar
Typical Foam Expansion	4:1 to 8:1
Typical 25% Drainage Time	1.5 to 3 minutes using Angus FP70 Foam Concentrate

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Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.