



Geodesic Rimseal Pourer



Features

- ✓ Effective operation from 3 bar g. Inlet pressure
- ✓ Sized specifically to gently deliver foam onto rimseal
- ✓ Light, integral, self-supporting, screwed pipework for easy installation

Effective fire protection for floating roof storage tanks with geodesic roofs.

Angus Rimseal Foam Equipment is renowned for exceptional capability when protecting vertical Open Top Floating Roof (OTFR) storage tanks. To maximise vapour recovery and reduce emissions, some OTFR tanks are increasingly fitted with Geodesic lightweight roofs. Although these lightweight constructions rarely support the weight of conventional fixed foam pourers, they do reduce vapour emissions and protect the flexible seal from UV degradation.

Self-Supporting Answer

Angus Fire has developed an effective self-supporting answer for such geodesic roof tanks fitted with foam dams, to still adequately protect the rimseal area.

Angus Geodesic Rimseal Pourers integrate a dispersing pourer with the reliability of a Rimseal Foam Generator (RFG 50) that produces expanded foam typically between 4:1 and 8:1 depending on inlet pressure.

This foam is gently targeted onto the tank shell to run down into the seal area by this dedicated pourer, attached and strategically located inside the geodesic dome by its self-supporting pipework.

Slim, Lightweight Rimseal Pourer

This slim profile, lightweight Geodesic Rimseal Pourer can be sized with flow capacities, ranging from 54 litres/minute at 3 bar to 260 litres/minute at 10 bar, to meet NFPA 11 delivery requirements. These Geodesic Rimseal Pourers are factory-calibrated to deliver a specified flow at a given pressure within the limits shown on Graph A, with several units located effectively around the tank's circumference.

For new tanks, or retro-fitted geodesic roofs, this integral design can provide the most cost-effective use of foam concentrate and water resources. It produces and delivers the designed foam solution application rate into the seal area, beneath the geodesic dome, with minimal complication and no hot work required.

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

All Angus Rimseal Foam pouring equipment is suitable for use with a range of Angus foam concentrates.

For more information please contact Angus Fire or visit : <https://angusfire.co.uk/products/foam-concentrates/product-range/>

Geodesic Solutions

The height restriction and light Geodesic roof construction often present a challenge for

effective fire protection of geodesic dome tanks, often preventing the use of regular Rimseal or 'Cow Horn' Foam Pourer designs.

Despite the fixed geodesic roof, the key risk area for firefighting remains the seal area between the floating roof and the tank shell. Therefore requiring this slim profile, lightweight, self-supporting 'Through the Roof' specialised rimseal pourer design.

This practical and effective Geodesic Rimseal Pourer design from Angus Fire supports its own weight by its pipework with a convenient screwed leak-tight connection just outside the roof in an accessible position from the elevated walkway, delivering a simple but efficient answer against future rimseal fires. The pipework provided is 2" NB Schedule 40 steel with well proven corrosion resistant yellow thermoplastic paint finish.

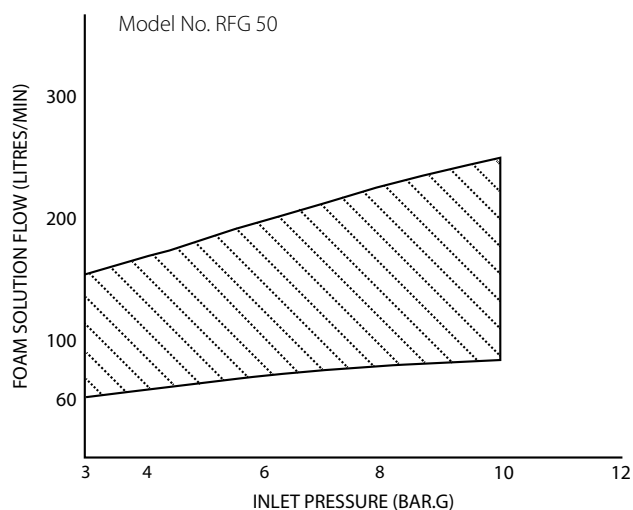
Please contact Angus Fire with details of the tank's geodesic roof construction, to ensure our engineers can provide the correct discharge nozzle flows and mounting system.



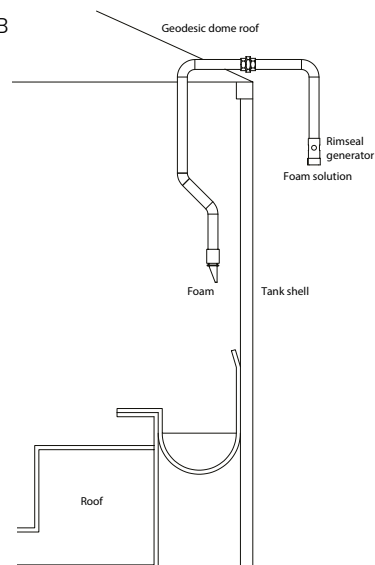


Graphs

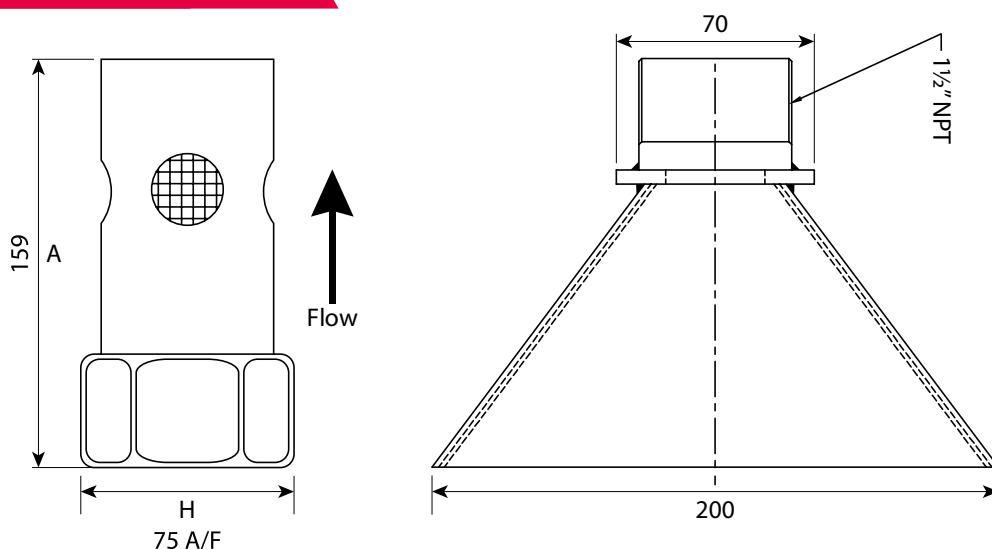
Graph A



Graph B



Technical Drawings



Specification Data

Model	RFG50	LLP40
Inlet Connection	2"NPSC (F)	1 1/2" NPT (M)
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 (Red Paint Optional)	
Aprox Weight (Kg)	3.5	1.0

Operating Data

Operating Pressure	3 bar to 10 bar
Typical Foam Expansion	4:1 to 8:1

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.