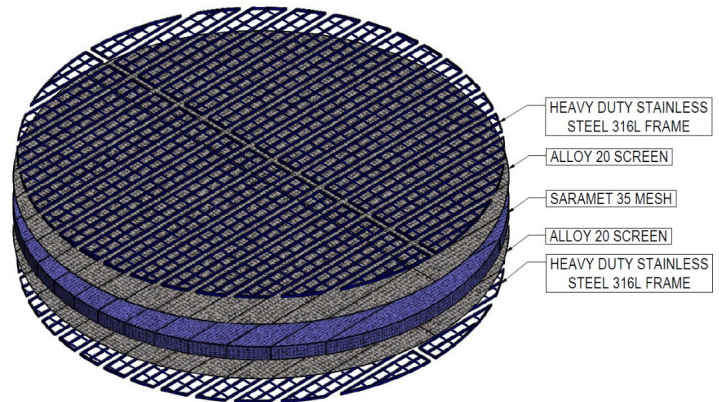


SARAMET® Mesh Pads



Worley Chemetics SARAMET 35 Mesh Pad Assembly

Advancing the design of alloy mesh pads, Worley Chemetics' SARAMET® 35 Mist Eliminator Mesh Pads deliver **longer life, greater performance and superior structural integrity.**

FEATURES TO ADDRESS COMMON MESH PAD FAILURE MODES

- SARAMET® 35 material used in thickest possible wire - best material with lowest corrosion rate in weak acid conditions.
- Structural frame designed specifically for each tower to ensure minimal deflection thus eliminating flexing and resultant potential catastrophic mechanical failure.
- Alloy 20 wafers added to eliminate end of life disintegration of the mesh material and contamination of the packing/distributor level.
- SARAMET® 35 alloy is highly resistant to damage due to washing.
- SARAMET® 35 is an austenitic stainless steel which is quite ductile. The mesh pad can be easily handled and moved without fear of damage.
- Allows easy installation via the manways.
- Optional tray designs allow removal and washing of the mesh pad from outside of the acid tower.

ABOUT US

Sustaining our world for generations to come through technological and environmental innovation, Worley delivers Chemetics® sulphuric acid solutions around the globe with a focus on site reliability, plant economics and workforce development.

Over the past 60 years, Worley Chemetics' full lifecycle solutions and equipment have enabled more than 800 plants to achieve higher capacities and availability, lower costs of operation, reduced emissions and greater safety. Leveraging our R&D lab and custom-built fabrication facility in Canada, global logistics management capabilities, specialized project teams and worldwide network of trusted suppliers, we deliver optimal solutions and equipment for your sulphuric acid facility, from greenfield projects to maintenance and turnarounds.



GET IN TOUCH

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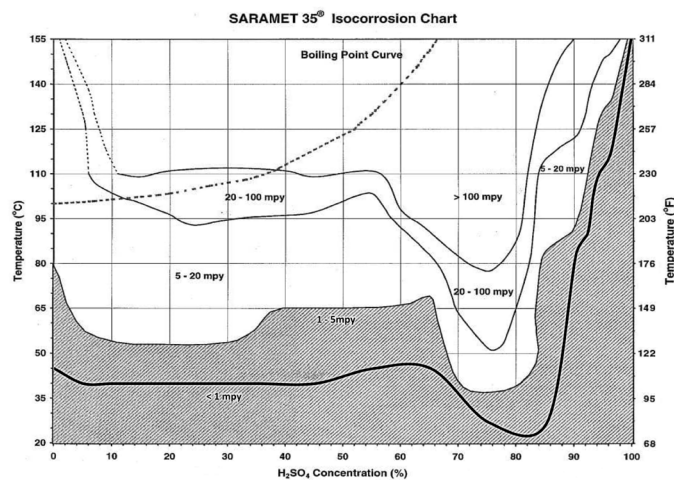
WORLEY.COM/CHEMETICS

SARAMET® Mesh Pads

FEATURES & BENEFITS

Why do the sulphuric acid and fertilizer industries need a new mesh pad?

- Mesh pads have been used in sulphuric acid drying towers with success for more than 40 years now. Nonetheless, in some of the most critical applications where acid meets higher temperatures, existing products have failed to provide an acceptable lifespan, and they have required frequent replacement.
- To solve these issues, Worley Chemetics has worked with the end users, and we have partnered with the best mesh pad fabricators in the marketplace to develop a new solution.
- Our design has been engineered specifically to solve costly reliability issues experienced by some customers using our competitor products for years without long term success.
- In these applications, our SARAMET 35 mesh pads have been the only solution able to withstand the harsh process conditions reliably for a prolonged period of time. See installed SARAMET 35 mist filter pad on page 1.
- In historical applications with competitor's alloys, many tower entries were necessary for frequent pad changes and to remove debris from acid distribution systems. See example of a failed mesh pad below.
- SARAMET 35 mesh pads save our customers money – less plant down time, minimizing worker exposure to hazardous conditions and higher plant availability.



SARAMET 35 Iso-Corrosion Curve (the further below the line, the lower the actual corrosion)



Worley Chemetics SARAMET 35 mesh pad after 4 years of operation (perfect condition)



Common mechanical failure as seen on competitors' historical mesh pad designs within 1 or turnaround cycle (catastrophic failure)