



INNOVATIVE CHOICES FOR NITRIC ACID CATALYST BASKETS

T H E R M A L I N G E N U I T Y S I N C E 1 9 4 3



Innovation from start to finish. For 30 years Alloy Engineering has designed and fabricated nitric acid catalyst baskets that outlive and out perform those they replace.



CUSTOM ENGINEERED CATALYST BASKETS FROM ALLOY ENGINEERING
deliver dramatic bottom-line advantages.

• **Reduced maintenance**

• **Longer life**

• **Lower life-cycle cost**





NITRIC ACID CATALYST BASKETS

Catalyst basket innovation from Alloy Engineering

Truss-Alloy grids for improved gauze support.

Haynes Alloy 230® grid material for strength and long life.

Integral expansion joints eliminate rigid connections that cause cracking in critical joints or a basket.



Segmented hold-down rings provide an improved seal to prevent ammonia gas bypassing around the gauze.

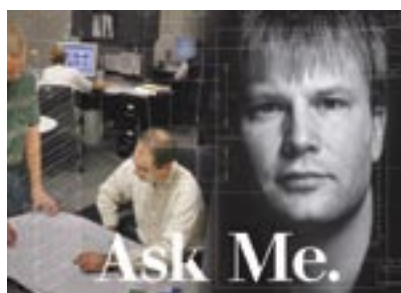
Conical shells resist thermal gradients.

Segmented grid assemblies for ease of installation and removal.

Hex-mesh design eliminates troublesome perforated raschig pie-shaped ring supports.

Catalyst basket rebuild program is a cost effective solution for extending basket life.

ANNA vendor program participation enhances our understanding of and responsiveness to customer needs.



Alloy Engineering offers state-of-the-art design and engineering technologies along with extensive welding and fabrication capabilities. We believe that delivering or surpassing product performance and life is the essence of quality and customer satisfaction.

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