

XLP Ribbed Rings

MECS offers a ribbed ring-shaped Catalyst for sulfuric acid production that is designed for all beds of the converter.



XLP-110 Ribbed Rings
XLP-220 Ribbed Rings
SCX-2000 Ribbed Rings
XCs-120 Ribbed Rings



LP-120 Rings



LP-110 Rings



T-210 Pellets
T-11 Pellets



Why Industry Leaders Choose XLP Ribbed Rings

MECS offers a high performance catalyst for every sulfuric acid converter application. Our Catalyst and Process specialists will help you value engineer the best MECS Catalyst products to optimize throughput, energy efficiency and reliability for your converter passes. With the XLP series of catalysts, the "X" represents the eXtended surface area of these unique ribbed hollow rings. As a result of the special shape, additional surface area, proprietary formulations, and high manufacturing quality standards, the MECS XLP line of Catalyst performs at reduced pressure drops with enhanced conversion performance. The XLP-220 is specifically designed for the upper bed applications of the converter and will provide about 10% less pressure drop and 5 — 10% additional catalytic activity in these passes when compared to MECS LP-120.

XLP Product Highlights

Features and Benefits

- 6 lobed ribbed ring for lower pressure drop
- Improved catalytic activity from the extended surface area design
- Enhanced durability for better dust control and lower screening losses

Nominal Dimensions

Point to Point dia. = Approx. 12 mm

Inside diameter = Approx. 4.0 mm

Average length = Approx. 13.0 mm

Applications

XLP-220: Passes 1 and 2

Note, XLP – 220 in converter Pass 1 is the MECS new plant design standard.

XLP-110: Passes 2, 3, 4, and 5

Note, XLP – 110 in converter Pass 5 is the MECS new plant design standard.

MECS Inc.
CATALYST
SO₂ → SO₃

Catalyst for Sulfuric Acid

XLP Ribbed Rings

“MECS’ XLP Catalyst is the best development I’ve seen in years.”

The material composition and chemical formulation for the XLP-110 has a proven track record. When balancing performance, operational flexibility and service life, leading sulfuric acid plant engineers specify MECS XLP-110 for all of the lower converter passes. It provides a 25% reduction in pressure drop when compared to MECS LP-110. Where high SO₃ and low O₂ conditions exist, XLP-110 is an excellent catalyst choice. After interpass absorption, the high vanadium content of this formulation also provides superior operating characteristics under low SO₂ and/or low O₂ conditions.

To assure a combination of high performance, long service life and energy efficiency, specify MECS XLP Catalyst for your sulfuric acid plant’s converter operations.

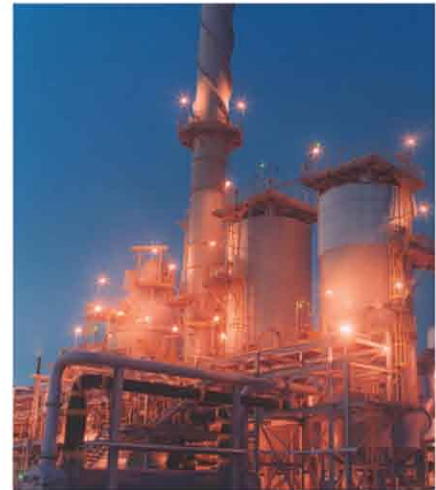
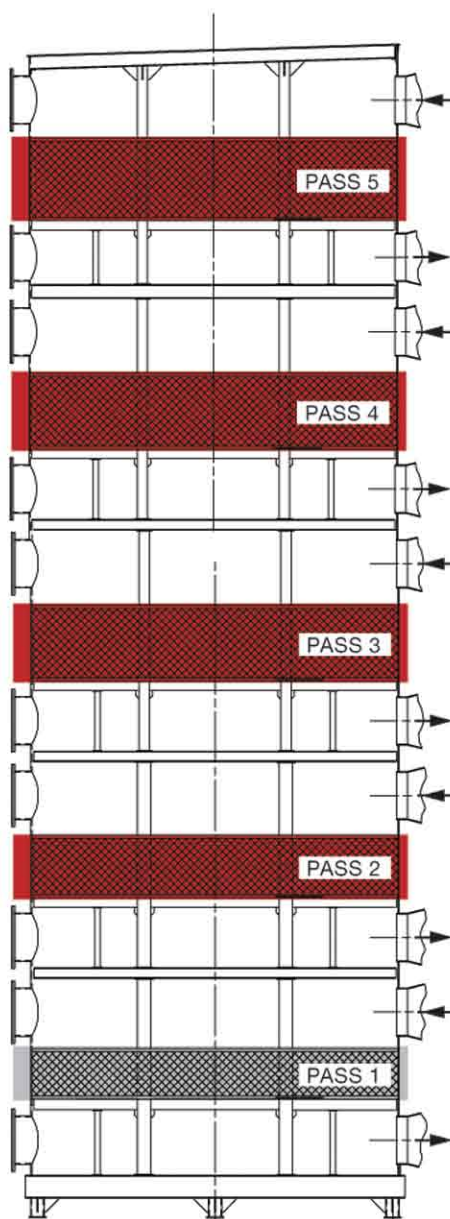
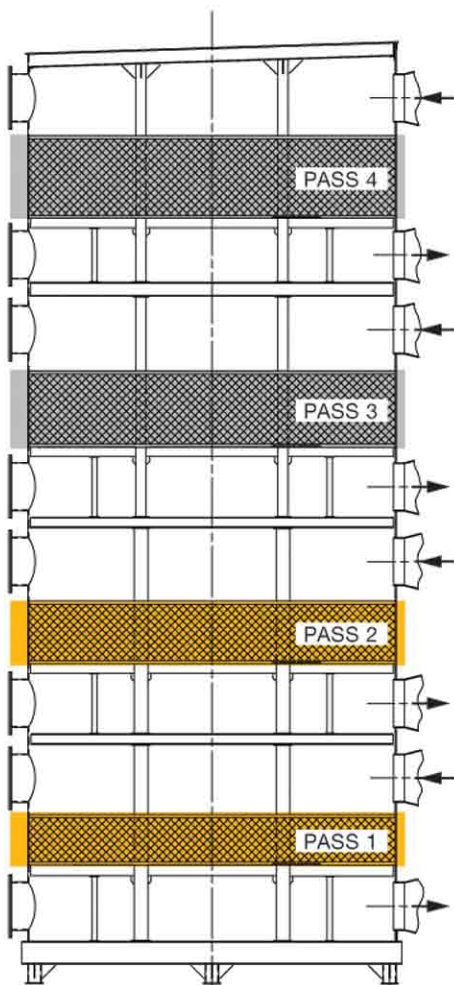
XLP-110 / XLP-220 Applications



XLP-110: Passes 2, 3, 4, and 5



XLP-220: Passes 1 and 2



MECS[®]

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