

Cesium-Promoted Ribbed Rings

MECS offers Cesium-Promoted and SUPER Cesium Catalyst in a ribbed ring design for very high conversion rates and low pressure drop.



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



Super Cesium by MECS has the industry's highest conversion rate.

The SCX-2000 Super Cesium Catalyst by MECS is designed for lower pass converter applications – with or without Interpass Absorption and is ideal for reducing SO₂ emissions in volume-limited beds. In addition, you can benefit from a 20% increase in activity relative to standard Cesium-Promoted Catalysts under IPA conditions.

The XCs-120 Cesium-Promoted MECS Catalyst is specially designed for lower pressure drop in all beds of the converter. Installation of the XCs-120 MECS Catalyst will result in a pressure drop decrease of up to 20% compared to ring type catalysts and offers faster plant start ups due to lower ignition temperatures. Contact your MECS sales engineer for recommendations and to tailor the best MECS catalyst combination for your particular converter design and acid plant operating requirements.

Cesium Product Highlights

Super Cesium SCX-2000

- Higher plant production rates from Cesium-enhanced support formulation.
- Lower ignition temperatures result in faster start ups and higher conversion.
- Lower acid plant stack emissions.

Cesium-Promoted XCs-120

- Designed for lower pressure drop in all beds of the converter.
- Extended surface area and improved dust management.
- Ignition temperature at approximately 360 degrees C./680 degrees F

SCX-2000/XCs-120

Nominal Dimensions

Point to Point Diameter = Approx. 12 mm
Inside Diameter = Approx. 4.0 mm
Average length = Approx. 13.0 mm

Applications

SCX-2000: Passes 4, or 5, immediately after IPA.

XCs-120: All Converter Passes

MECS Inc.
CATALYST
SO₂ → SO₃

Catalyst for Sulfuric Acid


Cesium-Promoted Ribbed Rings

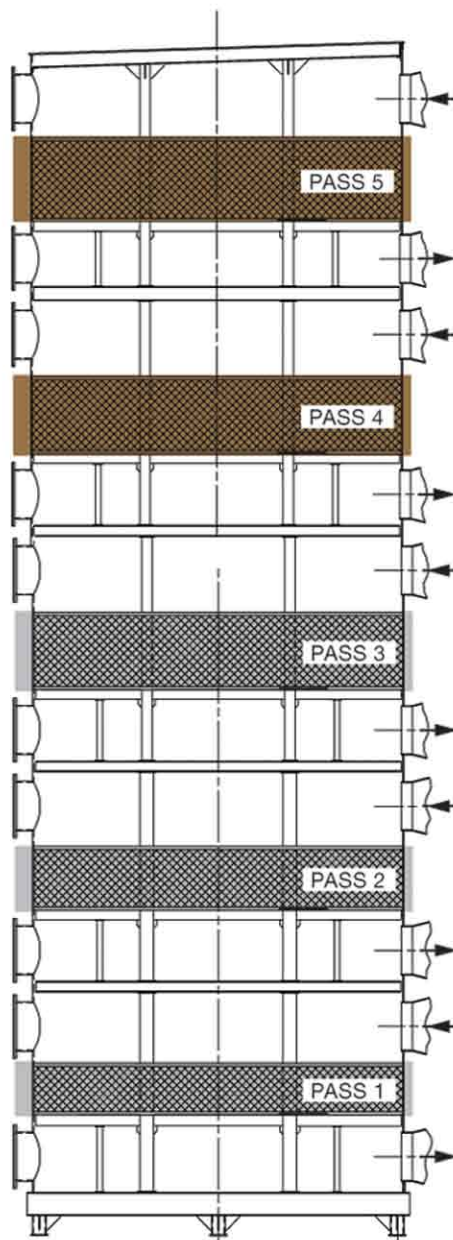
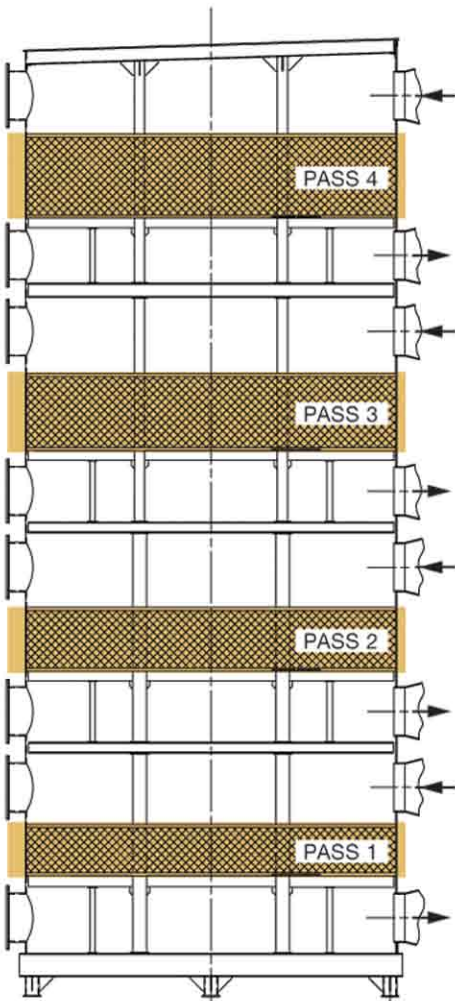
“MECS’s Cesium Catalyst has allowed us to keep our emissions well below 100 parts per million”

Our Catalyst and Process specialists will help you value engineer the best MECS Catalyst products to optimize throughput, energy efficiency and reliability for all your converter passes. Both SCX-2000 and XCs-120 provide benefits from the unique ribbed hollow rings. This design feature results in lower pressure drop characteristics for your converter. The extremely active Cesium component generates the highest conversion rates possible.

SCX — XCs Applications

 SCX-2000: Passes 4, or 5 immediately after IPA

 XCs-120: All Converter Passes



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