MODULAR SULPHUR REMELTER
WITH EXTERNAL HEATING SYSTEM

The Enersul MODEX™ remelter represents a significant breakthrough in sulphur remelting. Traditional remelting models are difficult to clean, repair and maintain due to internal coil heating systems. The MODEX™ uses an external heating design making the unit much more efficient.

FIND OUT MORE AT: enersul.com/modex
MODULAR SULPHUR REMELTER WITH EXTERNAL HEATING SYSTEM

Improved commissioning, construction, cleaning and maintenance capabilities.

**PRODUCTION CAPACITY and PLOT SIZE**
- Capacity: 750 TPD
- Plot Size
  - Unit Length: 16.19 m
  - Unit Width: 5.23 m

**SULPHUR FEEDSTOCK PROPERTIES**
- Sulphur Purity: 99%
- Moisture Content: 2%
- Contaminants: 1%
- $H_2S$: 10 ppm

*Note - Production and utility consumption will vary based on moisture content and contamination levels of solid sulphur feedstock.

**1**% Contaminated feedstock is the standard. The ModEx™ can be custom designed to handle 20% Contaminants and 10% Moisture with auxiliary equipment.

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**Modular Design**
The ModEx Modular External Heat Remelter is supplied as two independent modules; the Remelter Module and the Conveyor/Hopper Module. It is 90% preassembled making it transportable while reducing commissioning times.

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**External Heating**
Typical remelting technologies use internal coils or heating systems that require constant cleaning and maintenance. The ModEx combines an external heating system with an installed process heat exchanger to ensure rapid remelting without the operational hassles that internal coil systems can create.

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**Contamination & Moisture**
The innovative heating and filtration systems enable the ModEx to remelt sulphur with contaminants up to 20% with auxiliary equipment and is custom designed for individual customer requirements.

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**Filtration & Control System**
The ModEx comes with a preinstalled filtration system to trap debris and particles to ensure the heat exchanger is clear and free-flowing. System control is by means of a dedicated Local Programmable Logic Controller (PLC) complete with Human Machine Interface (HMI).

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**Electrical**
- 49.15 kW

**Saturated Steam Pressure**
- 8 bar

**Steam Consumption**
- 4800 kg/hr

**Instrument Air**
- 0.4338 Nm³/hr

**Ambient Conditions**
- +40°C to -40°C