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SAFEFOAM TRANSFER SYSTEM (STS)

• The Enersul STS Dust Suppression Unit drastically reduces sulphur fines at critical transfer points throughout any sulphur handling system. The result is a significantly safer and more environmentally friendly sulphur handling system.



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WATER CHEMICAL MIX	
Chemical to Water Ratio	1:100
Moisture Added to Product	≤ 0.6%
Water Pressure	3 bar g
Water Temperature	≤ 50°C

INSTRUMENT AIR	
Pressure	7 - 10 bar g

ELECTRICAL POWER	
Connected load	5.7 kW
Operating load	3.3 kW

SKID DIMENSIONS	
Length	3 m
Width	2 m
Height	2.4 m

DUST SUPPRESSION SYSTEM

Enersul is able to provide the dust suppression chemical based on client requirements.

Modular Design

The STS arrives 90% preassembled, resulting in significantly lower assembly rates, commissioning times, as well as, costs. Most the required system checks are completed prior to shipment.

Process Description

Water and chemicals are mixed in a ratio of 100:1 shortly after discharge from the chemical pumps. This combination is then piped to the header mixing chamber at the selected conveyor transfer points where air is injected to convert the mixture to foam.

This foam is then discharged through the spray header nozzles. Pressure is not a concern for the water/chemical mixture as volume is based on the sulphur conveying rates. The STS suppression system can accommodate various conveying rates.

Low Operating Costs

Ongoing operating costs are reduced as the STS Dust Suppression Unit eliminates empty belt spraying and uses direct drive motor coupling.

This unit is automated through PLC for operating at optimum levels which are set according to the specific conveying requirements.



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