

Power plant optimization made in Germany

## SO3 GENERATOR



**SO**₃ generator

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For laboratory use



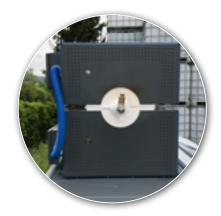
# Pentol has been supplying SO<sub>3</sub> generators to the power industry since 1975.

Reliable SO<sub>3</sub> flue gas conditioning is a requisition for continuous operation of coal fired power station to maintain national emission limits.  $SO_3$  is very interesting for the industry to replace Chrome VI based processes.

 $SO_3$  can be used for a wide variety of processes like galvanization, inertisation of pharmaceutical containers, for processing surfaces before painting, for the glass production industry and so on.

Compared to oleum based processes, the Pentol  $SO_3$  generator has a very high  $SO_2$  to  $SO_3$  conversion efficiency and produces a continuous stream of  $SO_3$ . The generator is PLC controlled and runs automatic.











#### **TECHNICAL SPECIFICATION**

#### **Exterior dimensions**

H x W x D approx. 1800 x 140	00 x 1200 mm
Maintenance space around	1000 mm

#### Transport weight

Complete system .....approx. 429 kg

#### Thermal specification

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#### **Electrical connections**

Power	 							 					 . (	ca.	7	kΜ	/
Voltage	 				 			 		 				4(	00	V	
Current per phase	 				 			 		 				3	30	Α	
Pre fuse per phase	 				 			 		 				3	32	Α	

#### Gas supply

Gas type $SO_2$
» Flow rate2 - 200 l/h
» Intake pressure
Gas typeCompressed Air
» Flow rate100 - 5000 l/h
» Intake pressure

#### Sensors

Gas Sensor Type	. SO <sub>2</sub>
Possible Sensitivity	. 0 - 5 ppm
	0 - 20 ppm
	- 1000 ppm

Tests have been made producing  $SO_3$  for 8 weeks in continuous, automatic mode.

The Pentol  $SO_3$  generator is CE certified and has been produced with safety and reliability in mind.



Visit our website to find out more or contact our sales staff. www.pentol.com



### SO₃ Generator

Continuous SO<sub>3</sub> Generation in Industrial Applications and Labs.

