

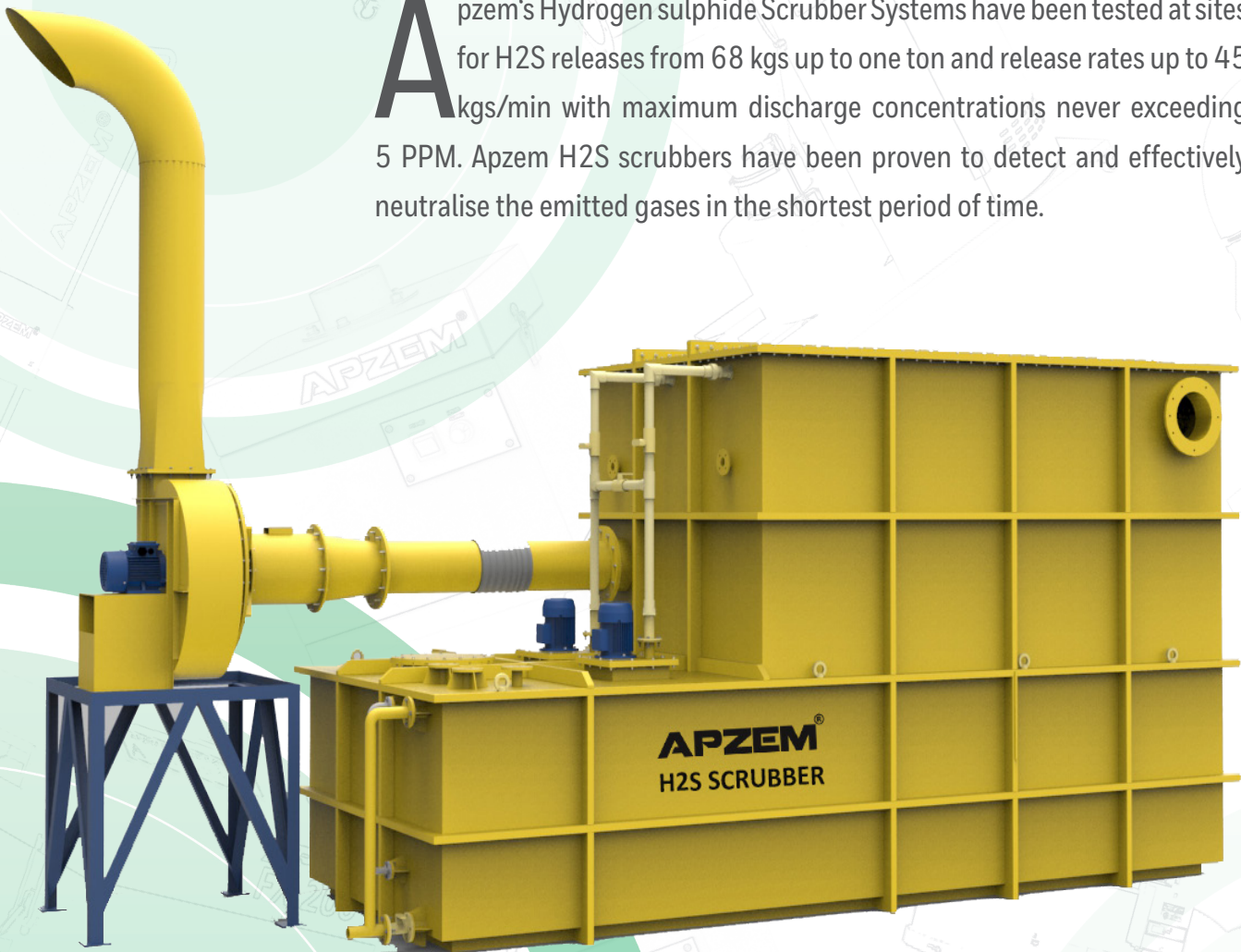
# APZEM®

PROMISING ECO SOLUTIONS

## HYDROGEN SULPHIDE SCRUBBER (H<sub>2</sub>S)

**H**ydrogen sulphide scrubbers are multi-stage wet scrubbing systems designed to treat toxic gases at source during an emergency. An Hydrogen sulphide Gas Scrubber is designed to control sudden toxic gas release from 68 kg to over 900 kg while reducing any risk to humans nearby. This scrubber prevents toxic Hydrogen (H<sub>2</sub>S), gas releases, resulting from a failure in the storage cylinder or system, by providing immediate removal of leaking gas. It serves as life saving equipment.

**A**pzem's Hydrogen sulphide Scrubber Systems have been tested at sites for H<sub>2</sub>S releases from 68 kgs up to one ton and release rates up to 45 kgs/min with maximum discharge concentrations never exceeding 5 PPM. Apzem H<sub>2</sub>S scrubbers have been proven to detect and effectively neutralise the emitted gases in the shortest period of time.



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# H2S SCRUBBER

## Technical Specification

Design Basis	As Per ACGIH Standards
Total CFM	250 CFM ( For cylinder of 32 kg )
	3000 CFM ( For Toner of 900 kg )
Type	Wet type packed bed
Efficiency	99.999 %
Dimension	250 CFM - 2450 mm (L) X 1400 (W) X 2000 (H) mm
	3000CFM - 5500 mm (L) X 2450(W) X 4500 (H) mm
Toxic gas neutralization	Neutralize the sudden release of H2S
Blower	PP+FRPVE Blower 1 HP Three Phase Power supply With VFD drive

## Features

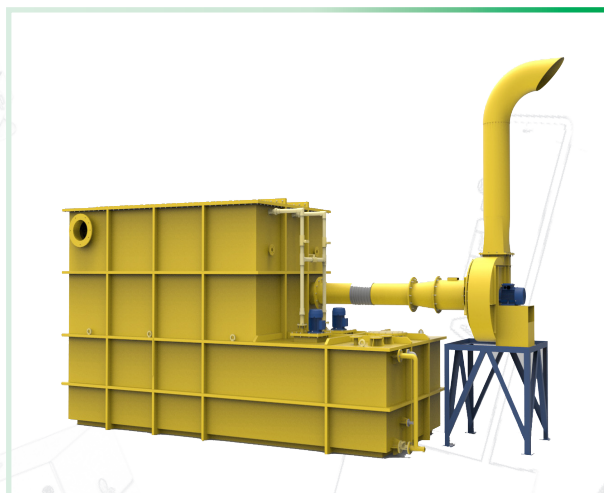
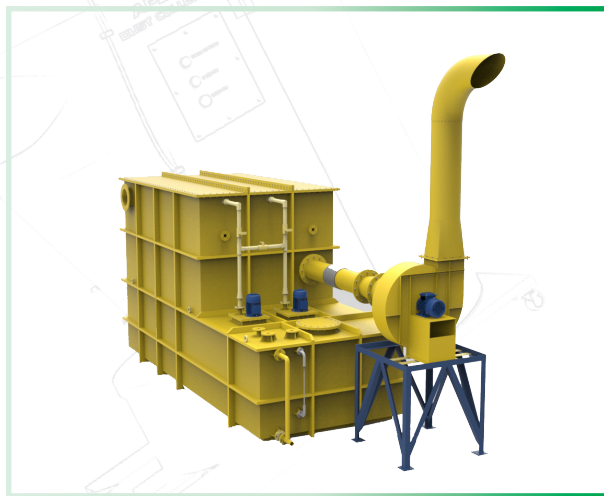
MOC: FRP for corrosion resistance and strength
Fully automated system and also can be operated manually
Online Hydrogen sulphide gas monitoring
Standby Exhaust Blower & Pump
Minimum maintenance
Guaranteed Performance
ETP & STP

## Accessories

Packing support Grid
Drain valve with ball valve
Water inlet valve
Water level indicator
Packing Removal & fill-up access
Clean out port
Overflow provision
Inspection glass port for packing area

## Application

Pharmaceutical Industries
Textile Industries
Wastewater treatment plants
H2S handling plants
H2S Storage tanks
Emergency odour control (H2S)



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