

# APZEM<sup>®</sup>

## ODOR CONTROL SCRUBBER FOR STP

Apzem's Custom Designed Odor Control Scrubber for Sewage Treatment Plant removes odor from sewer exhaust by using physical adsorption and chemical conversion. The accumulation, transport and processing of sewage generates harmful gases (H<sub>2</sub>S, NH<sub>3</sub> & S compounds) and odours. The contaminants are removed by Chemical scrubbing method. In chemical scrubbing, the gas stream passes through a packed bed with a large wet surface area which enhances the contact between the gas and the scrubbing chemicals and results in removal of contaminants from the gas stream. This system achieves up to 99.5% efficiency in odour removal in many applications.



### Applications

Sewage treatment plant

Effluent treatment plant

Municipal waste disposals

Sewage collection area

Pumping and lift stations

Sludge Inlet works

Sludge tanks

Sewage Treatment areas.

# ODOR CONTROL SCRUBBER FOR STP

Model number	AEOC - 45	AEOC - 75	AEOC - 105	AEOC - 135
Air flow suction capacity	500 CFM / 850 CMH	1000 CFM / 1700 CMH	2000 CFM / 3400 CMH	3400 CFM / 5000 CMH
Static pressure	150 mm W.C.	250 mm W.C.	250 mm W.C.	150 mm W.C.
Column dimensions(Dia X H)	700 mm X 1100 mm	1100 mm X 1250 mm	1500 mm X 1350 H	1700 mm X 1400 mm H
Overall space required	2500 mm X 2300 mm	2800 mm X 2300 mm	3000 mm X 2500 mm	3000 mm X 2500 mm
Material of Construction	MS with epoxy lining	MS with epoxy lining	MS with epoxy lining	MS with epoxy lining
Inlet and outlet	150 mm dia.	200 mm dia.	275 mm dia.	375 mm dia.
Motor power	1 HP	3 HP	7.5 HP	10 HP
Power supply	Three phase / 50 Hz	Three phase / 50 Hz	Three phase / 50 Hz	Three phase / 50 Hz
Noise level	< 68 dB at 1mtr from motor	< 68 dB at 1 mtr from motor	<68 dB at 1mtr from motor	<68 dB at 1mtr from motor
Pre filter	Box type, 90% efficiency (up to 10 microns)	Box type, 90% efficiency (up to 10 microns)	Box type, 90% efficiency (up to 10 microns)	Box type, 90% efficiency (up to 10 microns)
Adsorbent media				
Efficiency	99.5% efficiency for odor, H2S, mercaptans etc.	99.5% efficiency for odor, H2S, mercaptans etc.	99.5% efficiency for odor, H2S, mercaptans etc.	99.5% efficiency for odor, H2S, mercaptans etc.
Volume of Filter Media	8 cubic feet	24 cubic feet	39 cubic feet	47 cubic feet
Pressure Drop Across Filter	100 mm W.C.	200 mm W.C.	200 mm W.C.	100 mm W.C.
Life of media	7 months without Regenerable 22 months with Regenerable	11 months without Regenerable 32 months with Regenerable	9 months without Regenerable 27 months with Regenerable	5 months without Regenerable 15 months with Regenerable

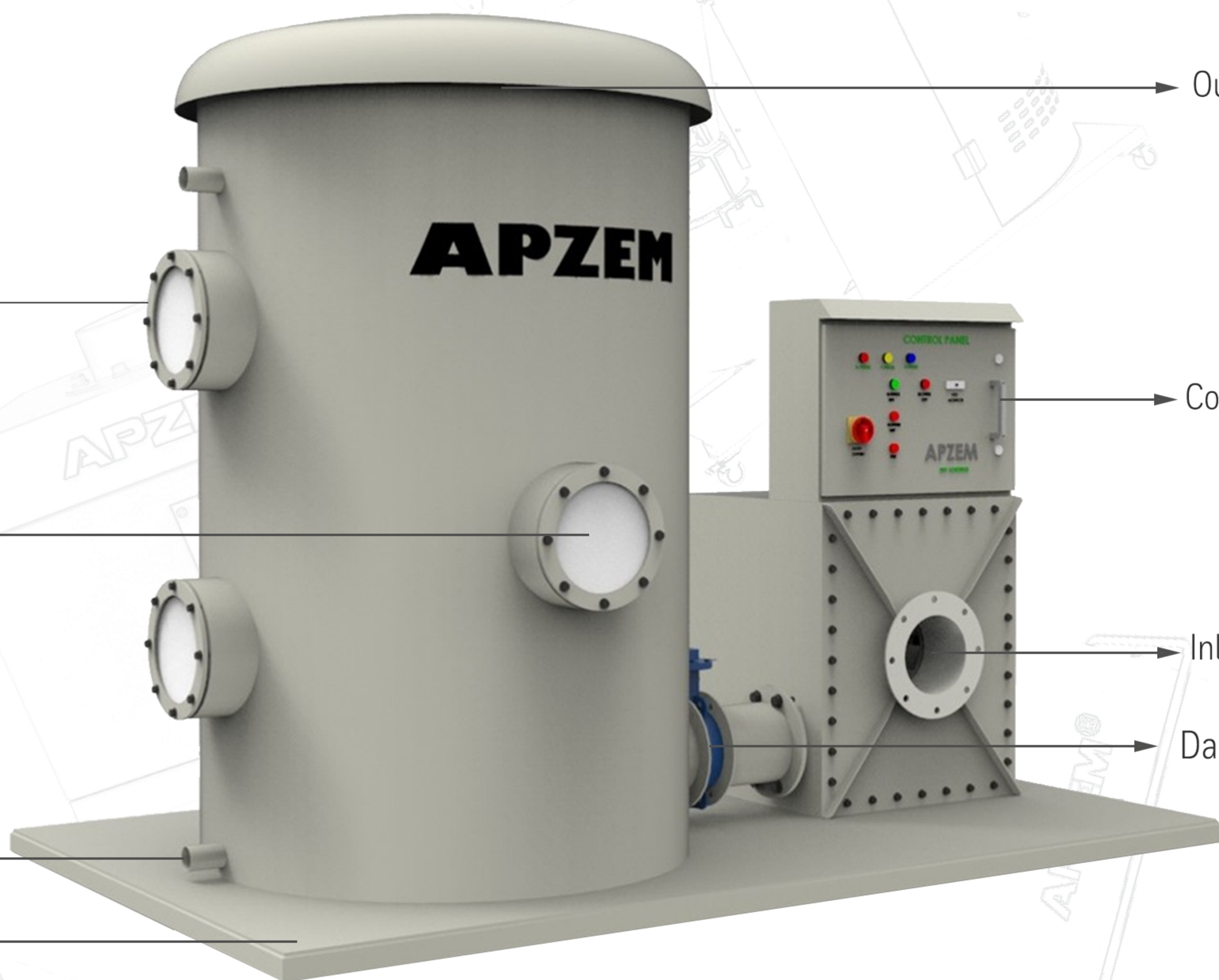
Regeneration Port

Media Filling Ports

View Panel

Drainport

Platform



Outlet

Control Panel

Inlet

Damper

## ACCESSORIES

H2S Monitoring system



Media



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