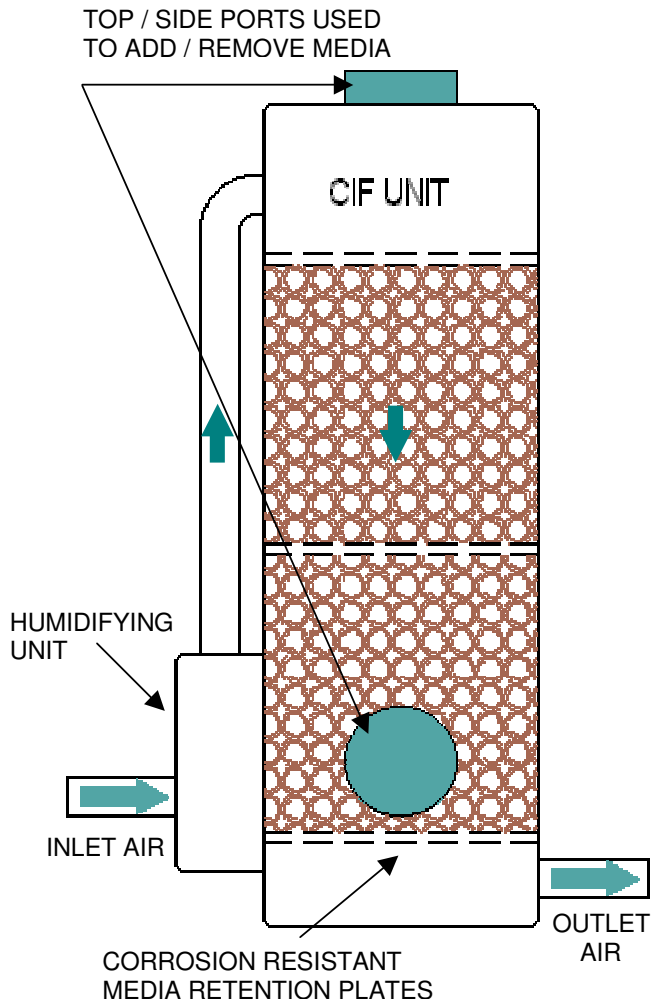


# HIGGINS & HEWINS

Air and Gas Purification Systems

## JACIF

CATALYTIC IRON FILTERS FOR AIR PRETREATMENT



### Application

- Typically used as a roughing pre-filter.
- JA CIF units will reduce H<sub>2</sub>S contamination by up to 80%. By reducing incoming H<sub>2</sub>S, media life of final scrubbing processes can be extended considerably causing a significant reduction in whole lifetime running costs.
- Airflow rates from 50 to 10,000m<sup>3</sup>/hr.
- Up to 50% removal of mercaptans.

### Properties

- Hydrated rusty iron pall rings with high surface area.
- Media life of up to 5 years.
- Capable of treating variable H<sub>2</sub>S concentrations (typically 0-100ppm)
- Intermediate bed support to reduce crush loading.
- High contact time, greater than 12 seconds.
- Slender aspect ratio to prevent channelling.
- Non toxic waste products of sulphur and water
- Incoming air conditioned to optimum 80%+ humidity.
- Operating temperature typically between 5 and 35°C.

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