

Glass Scrubber

Gas scrubbers are used to neutralize corrosive exhaust gas from reactors. Depending on the scrubbing liquid, they can be used for caustic or acidic vapors. Gas scrubbers are equipped with a fluoropolymer lined, corrosion resistant magnetic coupled pump.

Global borosilicate glass scrubbers have been used in the chemical, pharmaceutical, and allied industries for many years. Glass scrubbers provide unrivalled service where corrosion resistance or process visibility are of importance. They are particularly suited to multipurpose and pilot plant applications, where they may be used as water, acid or alkali scrubbers. Global provides a range of mobile glass scrubbers, which standard and custom designs to provide the user even greater flexibility.

They reduce the need for expensive permanent installations and also reduce the pressure losses resulting from pipeline installations. The mobile scrubbers can be wheeled into place alongside the process plant and simply connected to the process. The standard mobile scrubbers are available with scrubber columns of DN100 and Dn150 diameter. Each scrubber is supplied complete with a sump tank, recirculation pump and recirculation cooler. The mobile trolley on which the scrubbers are mounted is supplied with two lockable steering castors and two fixed castors to enable maximum maneuverability. The mobile scrubbers are simply connected to other equipment using quick release couplings and flexible hoses.

The flow rate of the scrubbing liquid can be controlled with the built-in reducing valve. The scrubbing liquid temperature is maintained by a spiral cooler in the liquid circuit.

General specifications

Pressure	:	-1.0 (FV) to +0.5 bar
Temperature exhaust gas	:	-60 °C to +200 °C
Temperature scrubbing liquid	:	0 °C to +80 °C
Material	:	Borosilicate glass 3.3, PTFE

Mobile gas scrubber (volume scrubbing liquid)	:	6, 10, 20, 50, 100 liter
Mobile gas scrubber (column diameter)	:	DN 50, 100, 150, 225
Stationary gas scrubber (volume scrubbing liquid)	:	Customized according to process requirements
Stationary gas scrubber (column diameter)	:	DN50 up to Dn600

Typical application

- Off-gas treatment
- Neutralizing of exhaust gas
- Stripping
- Scale-up
- Process development

