

Equipment Scrubbers for Chlorine/Sulfur Dioxide

ProVent Chlorine/Sulfur Dioxide Equipment Scrubber



The Powell ProVent Chlorine/Sulfur Dioxide Equipment Scrubber is designed to evacuate transfer hoses, piping, and vaporizers used for chlorine process systems. The Powell ProVent Equipment Scrubber is designed to neutralize 1000 lbs. of chlorine when 20% caustic solution is used. The system will allow evacuation of chlorine supply lines to 25 inches of mercury vacuum when pipeline

repair is required. The system will also provide a vacuum when chlorine cars or containers are disconnected. In case of power failure, the scrubber can still neutralize chlorine or sulfur dioxide under pressure through the sparging tube. Custom sizes are available. Quality built for long performance other features of the Powell ProVent include:

- 15-hp Tefzel®-lined magnetic drive pump or optional titanium pump.
- Fiberglass tank
- Tefzel®-lined steel eductor
- PTFE®-lined steel pipe and fittings
- Oxidation reduction potential (ORP) system
- Radar level transmitter
- High level titanium float switch
- Standard control panel features a NEMA 4X fiberglass enclosure. Featuring Allen Bradley Micrologix® Controller Technology.

Portable Chlorine/Sulfur Dioxide Equipment Scrubber



The Powell Portable Chlorine/Sulfur Dioxide Scrubber is designed for evacuation of components such as transfer hoses, piping and vaporizers in the event of leaks or during servicing of equipment.

The unit is completely self-contained and can be safely carried by fork truck. The standard design is able to neutralize 400 lbs. of chlorine or sulfur dioxide. The compact

Powell Portable Scrubber System is able to obtain 25 inches of mercury vacuum at shutoff and 2 SCFM flow at 5 inches of mercury vacuum. The unit typically uses 20% by weight sodium hydroxide.

Standard Materials of Construction

- 3-hp Tefzel® magnetic drive pump
- 1/2" by 25' hose for chlorine connection
- Kynar and CPVC Schedule 80 pipe and fittings
- Motor starter/disconnect and 50' extension cord for power from a welding outlet
- Optional ORP monitoring system
- Other materials of construction are available



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