

WATER SPRAY SCRUBBER

PRODUCT DATA SHEET-104

Inline gas scrubbing for acidic process applications—for use with Neutronics Process Gas Sampling Systems

FEATURES

- Continuously removes soluble contaminants and corrosives
- Available in corrosion resistant materials (Kynar or Stainless Steel)
- Maintenance free

INTRODUCTION

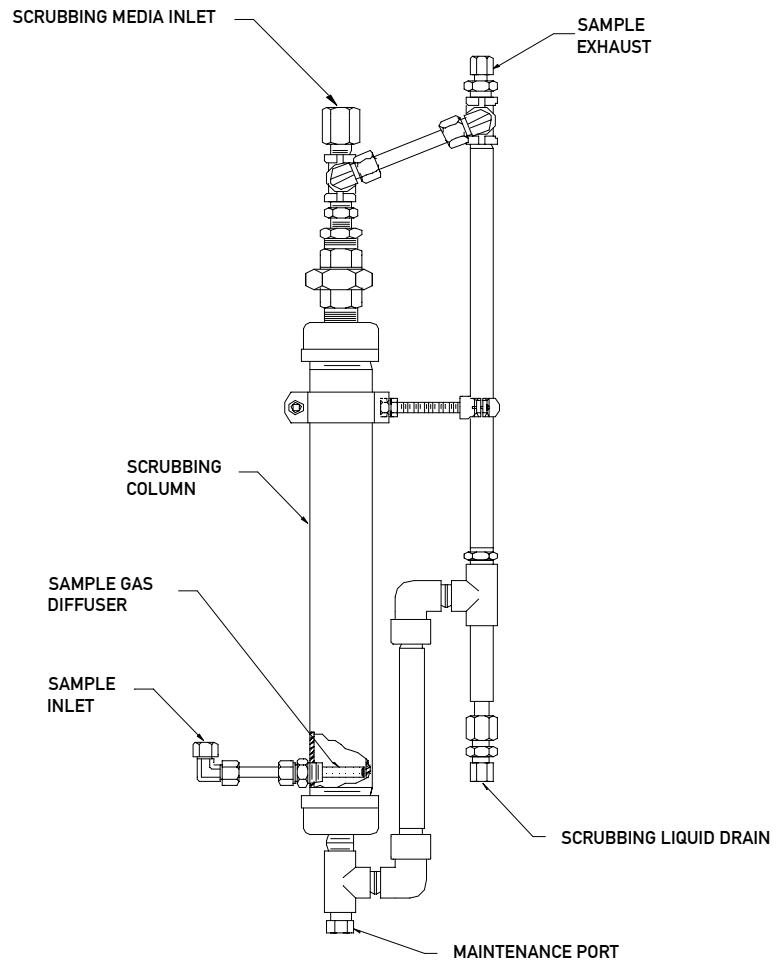
The Neutronics Spray Scrubber is a pre-conditioning component used in addition to a standard Neutronics Sample Conditioning Package to assure analyzer reliability. The Spray Scrubber thoroughly removes soluble liquids, particulates, or gasses before they can damage sampling components or the sensor.

OPERATION

Drawn by a maximum pressure of 2 psig at the entry port, or 55" H₂O vacuum on the exit port, sample gas is evenly dispersed by a perforated entry tube. The sample gas continues up through the Spray Scrubber and is cleansed by a continuous atomized spray of scrubbing media (typically water). The scrubbing media removes the contaminate from the sample gas and carries it away through the drain port.

INSTALLATION

The Spray Scrubber is mounted vertically between the process vessel and the Neutronics Sample Conditioning Package. Sample tube runs should be of solvent resistant material to protect against corrosion. A coalescing pre-filter should be used between the Spray Scrubber and Sample Conditioning Package to remove any entrained scrubbing media. (Note: A Neutronics Auto-drain is required to be used in conjunction with the Spray Scrubber, Ref. SSS005).



SPECIFICATIONS

WETTED MATERIALS	Available in Stainless Steel, or Kynar/Teflon
REFERENCE DRAWING	SP-E-0335
SCRUBBING MEDIA	Water, 40psig, 0.25gpm
SCRUBBING METHOD	Bubble-scrubbing column, and water spray



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