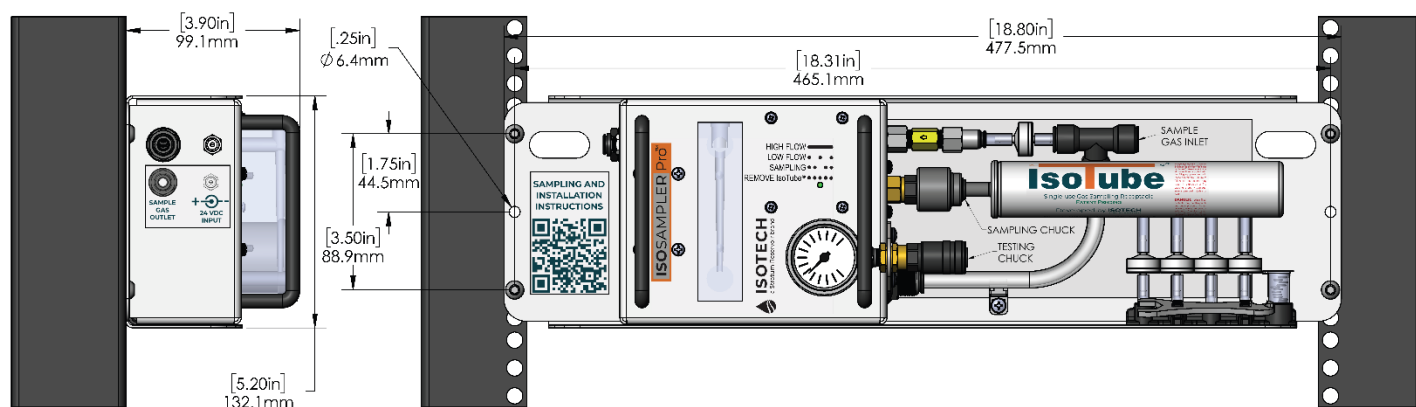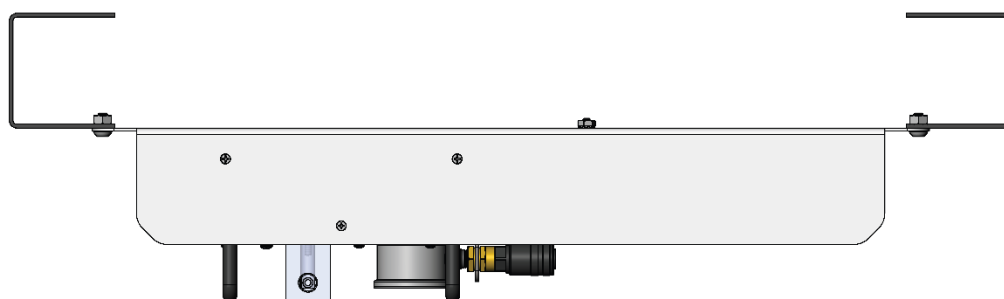# IsoSampler Pro™ Specifications and Installation Guide

Dimensions

- Mounting Holes: 6 x ø 6.35 mm (ø 0.25 in)
- Overall Width: 477.5 mm (18.8 in)
- Overall Height: 132.1 mm (5.2 in)
- Overall Depth: 99.10 mm (3.9 in)
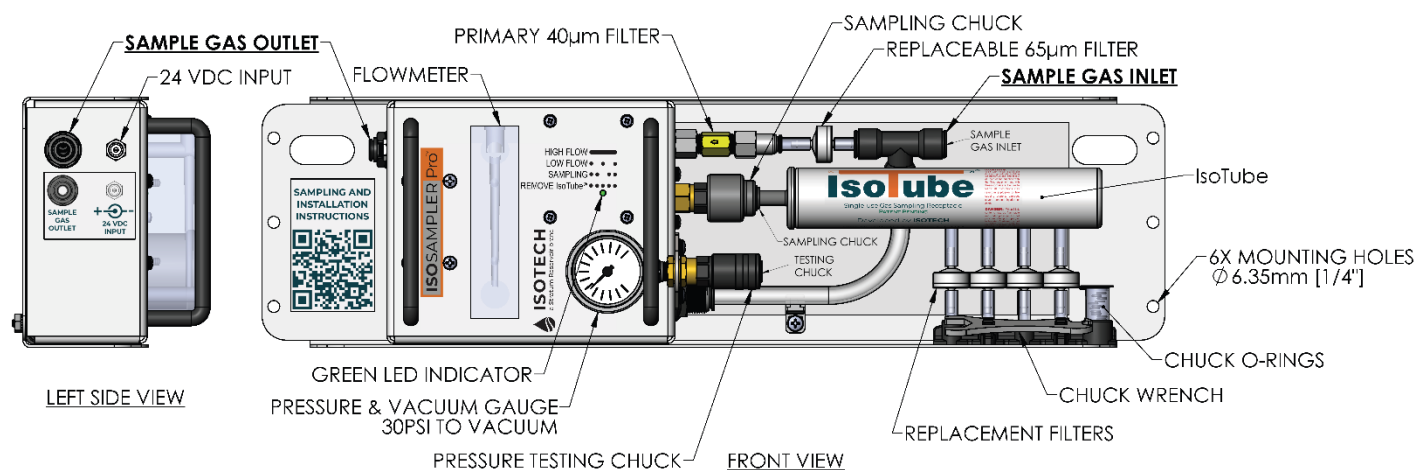- Rack Units: 3U

Top View – Rack Mount

Side View

Front View

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Specifications

- AC Power Requirements: one NEMA 1-15 or NEMA 5-15 outlet, 90-240 VAC at 1 A max.
- Power Input: 5.5 mm OD x 2.5 mm center-positive barrel jack, 24 VDC at 200 mA max.
- Mounting Options: Wall mount or standard 19" rack mount (3 rack units).
- Flow Connections: SAMPLE GAS INPUT and SAMPLE GAS OUTPUT, ¼" poly line.
    - Connection Type: ¼" push-to-connect.
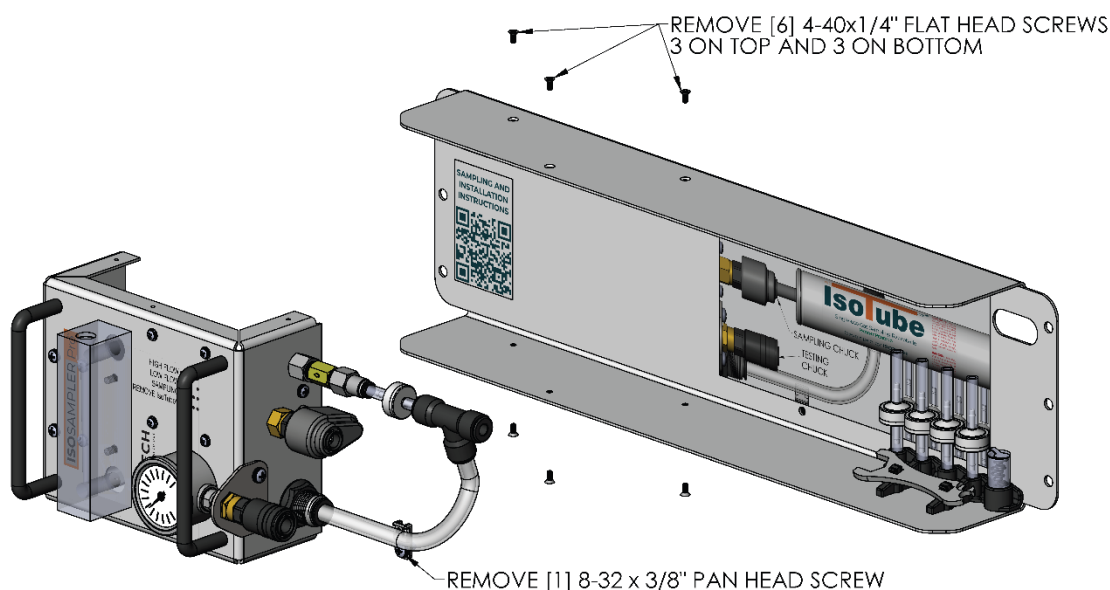- Minimum Gas Flow Rate: 140 mL/min

Hardware Included

- AC to DC power supply
- Mounting hardware for rack mount
    - 4x M6 x 10 mm screws
    - 4x M6 hex nuts
- 4x wood screws for wall mount
- Spare parts kit:
    - Replacement Filters (65 µm)
    - Replacement o-rings for chuck assembly
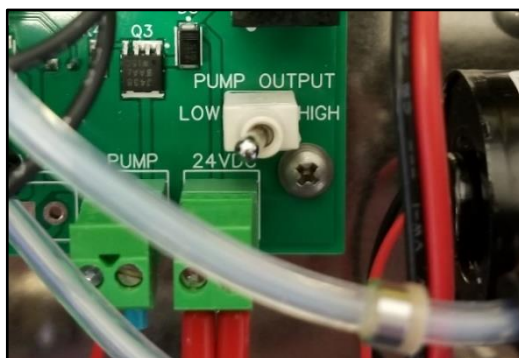   - Chuck wrench tool

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Selecting the Pump Output Setting

- The IsoSampler Pro has two pump output settings. **Make sure you have selected the correct pump output setting for your gas flow rate prior to taking a sample, or your samples may be compromised.** You can check the flow setting by connecting the power to the IsoSampler Pro and observing the LED on the front panel. If the LED is steady on, this indicates high-flow mode. If the LED is flashing slowly, this indicates low-flow mode.
  - o If your sample gas flow rate is below 300 mL/min, you need the pump output to be switched to the **low-flow setting.**
  - o If your gas flow rate is 300 mL/min or greater, you should use the **high-flow setting**.
- If the pump output setting is correct for your flow rate you may skip this step.
- Remove the fasteners as shown:

REMOVE [6] 4-40x1/4" FLAT HEAD SCREWS
3 ON TOP AND 3 ON BOTTOM
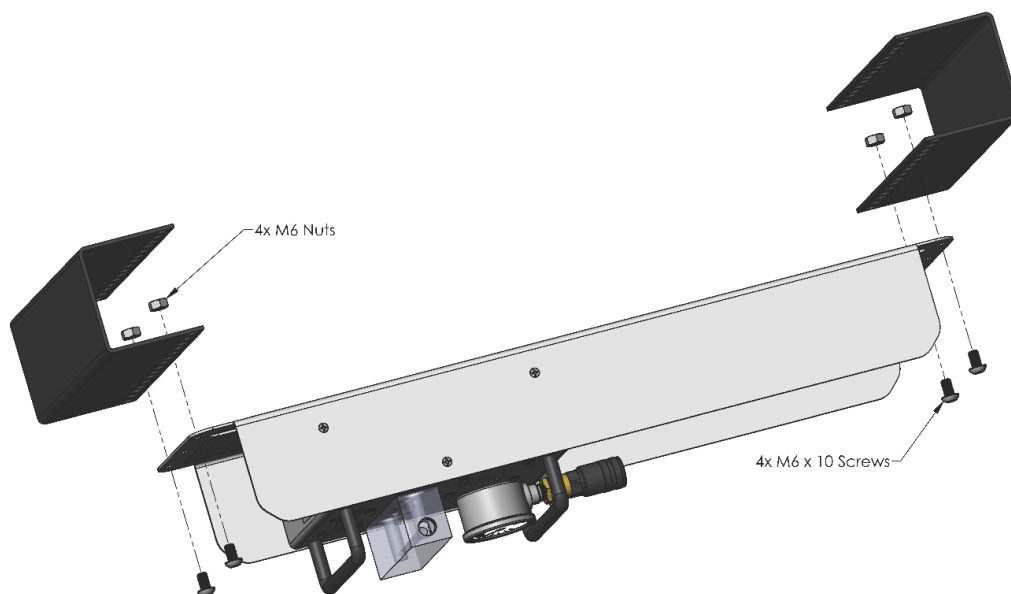
REMOVE [1] 8-32 x 3/8" PAN HEAD SCREW

- Once the back panel has been removed, find the PUMP OUTPUT switch. Shown below is the setting for LOW-FLOW. Push the toggle lever to the right to select HIGH-FLOW.

- Once the pump output setting has been selected, reverse the disassembly process.
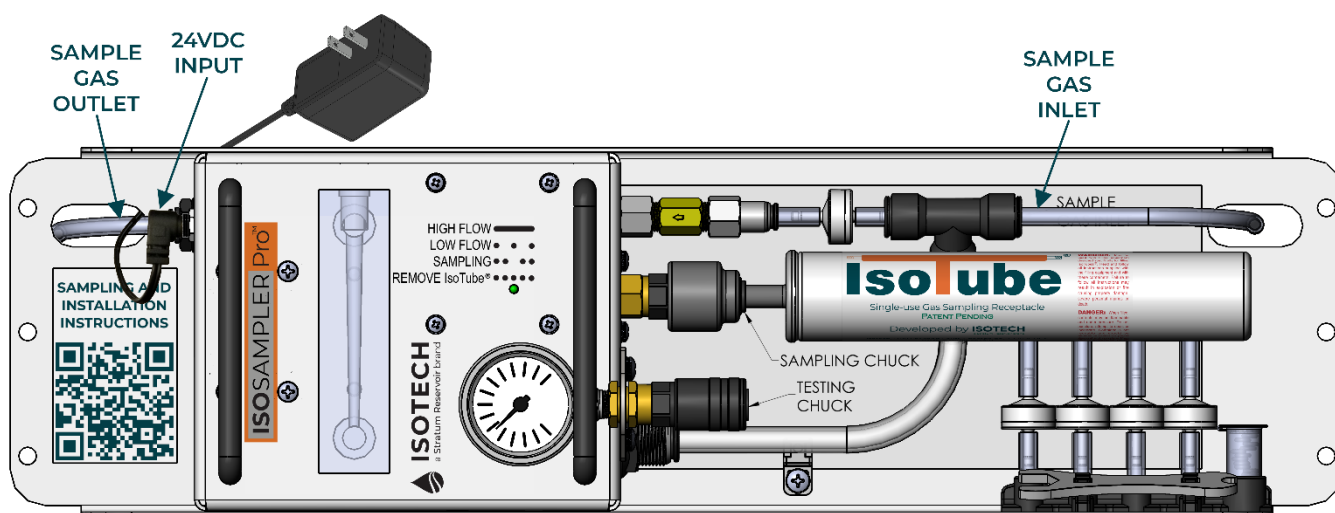
Mounting the IsoSampler Pro

To rack-mount the IsoSampler Pro, use the supplied M6 x 10mm screws and the M6 nuts as shown below. The IsoSampler Pro may also be wall-mounted using the supplied wood screws.

4x M6 Nuts

4x M6 x 10 Screws

Connecting the sample flow lines and the 24 VDC power

- Connect the sample gas inlet and outlet lines as shown below.
- Connect the power supply barrel jack to the left side of the IsoSampler Pro as shown.
- Connect the power supply to a NEMA 1-15 or NEMA 5-15 outlet.

SAMPLE GAS OUTLET

24VDC INPUT

SAMPLE GAS INLET

SAMPLING AND INSTALLATION INSTRUCTIONS

HIGH FLOW
LOW FLOW
SAMPLING
REMOVE IsoTube®

ISOSAMPLER Pro

ISOTECH
a Stratum Reservoir brand

IsoTube
Single-use Gas Sampling Receptacle
PATENT PENDING
Developed by ISOTECH

SAMPLE

SAMPLING CHUCK

TESTING CHUCK

Scan the QR code on the IsoSampler Pro for more information about the setup, mounting and configuration of the IsoSampler Pro.