

# Degassing Vacuum Pump

9000-2112, 9000-2113, 9000-2114, 9000-2115

## Specification Sheet

### Description

This degassing vacuum pump is a next-generation dual-stage molded pump that works with IDEX Health & Science degassing chambers and PCB control systems. This document includes details for both the “analytical scale” and “prep scale” versions of the pump. The analytical scale version is designed for standard degassing chambers and fluids. The prep scale versions are designed to handle high vapor loads from high flow rate chambers or fluids with low vapor pressure that will cause increased solvent pervaporation through the membrane. The pump is available in side and bottom mount versions. The next-generation degassing vacuum pump will function with both the lumen and film degassing chambers.

### Specifications

**Air Flow (no vacuum):** 650 SCCM @ 400 RPM; 100 SCCM @ 60 RPM

**Wetted Materials:** 316 Stainless Steel, Glass-filled PPS, EPDM, PEEK, PTFE, and Borosilicate glass.

**Stepper motor driver:** unipolar or bipolar, step angle – 1.8°

**Motor winding resistance:** 4.4 ohm

**Motor max rated current:** 1A

**Normal operating temperature:** 1°C to 60°C

**Storage Temperature:** -29°C to 60°C

**Relative Humidity, Non-Condensing (%):** 15% to 85%

Product conforms to ISTA-2A package testing

### Analytical Vacuum (Standard Solvent Load) Pump Technical Data

Typical Vacuum Performance: 50 mmHg @ (60±20) RPM (3 SCCM air flow, closed loop)

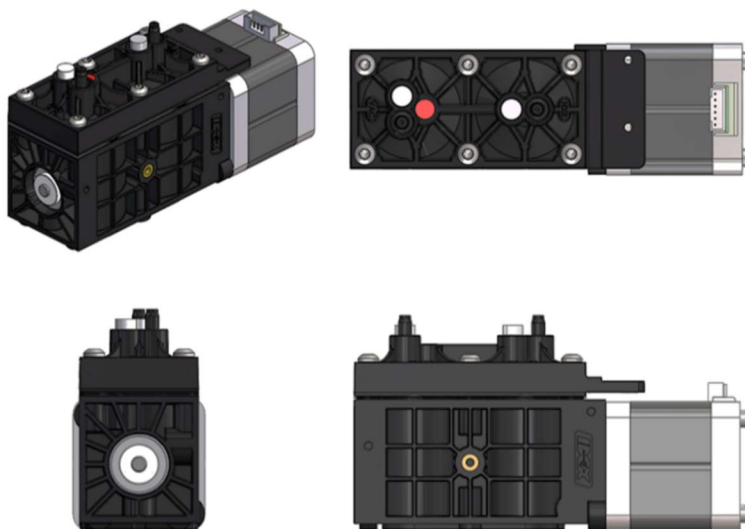
Pump head continuous purge air flow rate: ~12 SCCM

## Prep Vacuum (High Solvent Load) Pump Technical Data

Typical Vacuum Performance: 80 mmHg @ (80±20) RPM (3 SCCM air flow, closed loop)

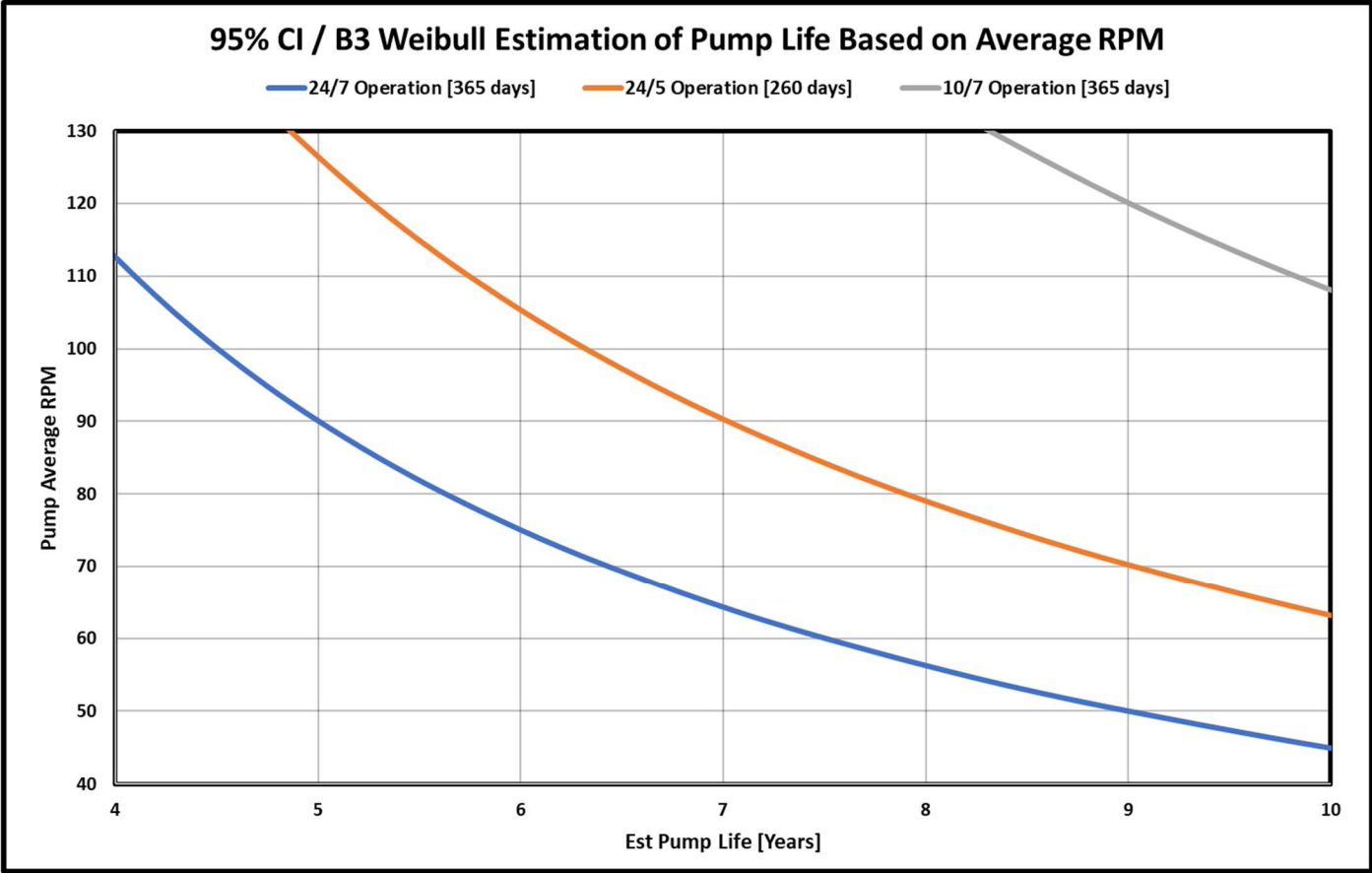
Pump Head Continuous Purge Air Flow Rate: ~30 SCCM

### Product View



### Degassing Vacuum Pump

Part Number	Description	Mounting	Scale
9000-2112	ASSY,BTM,ANALYTICAL, StabiliX	Bottom	Analytical
9000-2113	ASSY,SIDE,ANALYTICAL, StabiliX	Side	Analytical
9000-2114	ASSY,BTM,PREP, StabiliX	Bottom	Prep
9000-2115	ASSY,SIDE,PREP, StabiliX	Side	Prep

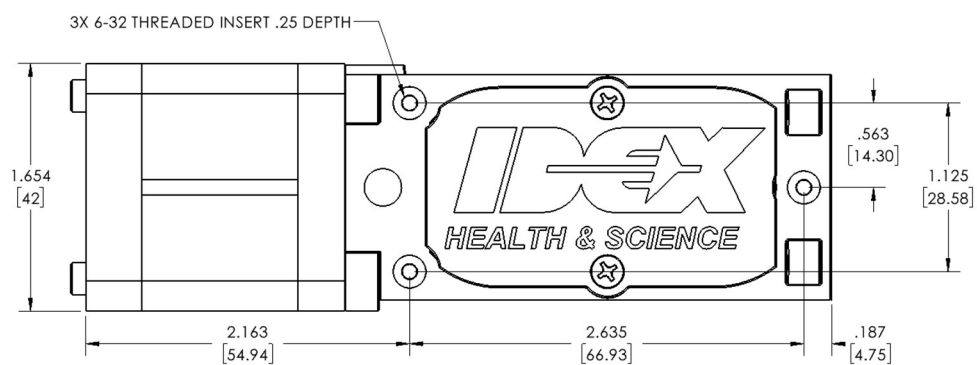


### Dimensional Drawing:

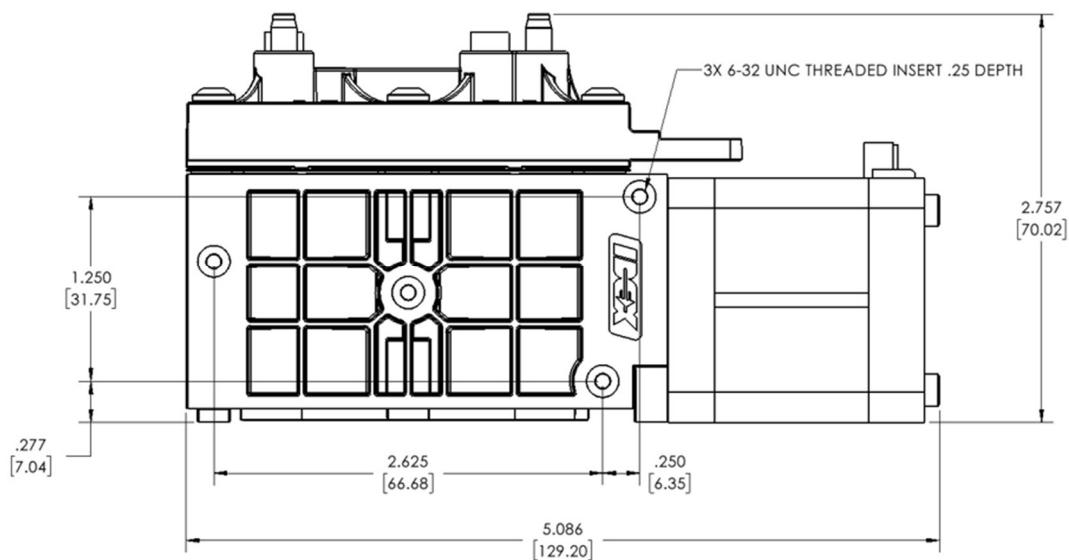
Dimensions are in inches [millimeters]

For reference only

#### Bottom Mount



#### Side Mount



**Regulatory Compliance:**

The next-generation degassing vacuum pumps PNs 9000-2112, 9000-2113, 9000-2114, and 9000-2115 are compliant with current RoHS & REACH regulations.

**Revision Notes:**

Rev C