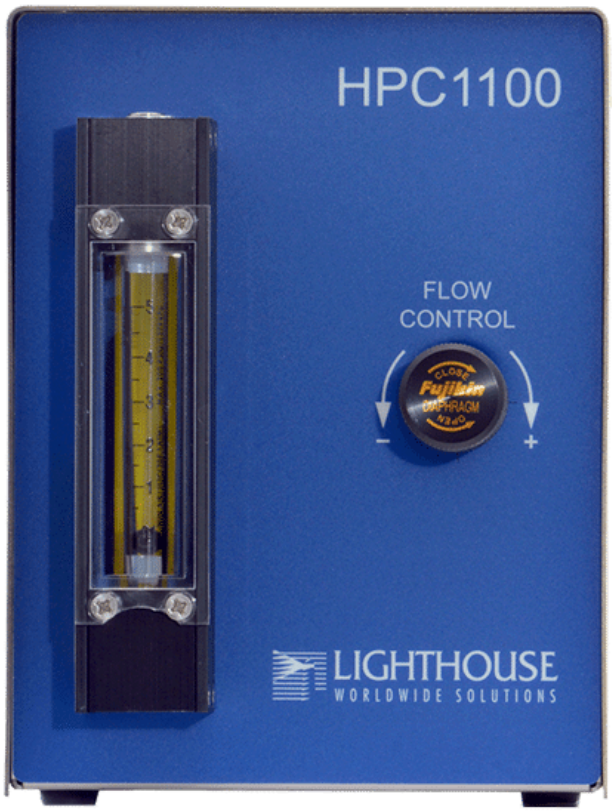
akribis

DATASHEET

High Pressure Controller 1100

Lighthouse

Distributed by AKRIBIS



(Compatible with the SOLAIR 1100LD only)

HPC1100

HIGH PRESSURE CONTROLLER

The HPC1100 delivers precise, reliable high-pressure gas monitoring, seamlessly connecting Lighthouse 0.1µm particle counters to 30-150 psi inert gas systems - ensuring accurate contamination monitoring in critical processes.

With its ultra-low noise and compact design, the HPC1100 can be installed in areas where traditional diffusers might not be practical.

It achieves zero counts in under five minutes without the risk of false 0.1µm readings caused by oscillations. Built with durable stainless steel, it offers a rugged, low-maintenance solution.

Features

- Supports 0.1µm at 1 CFM
- May be Used with Any Non Reactive Gas
- Easy Set Up
- Simple Installation
- Front-mounted Flow Gauge
- Intuitive User Control
- Quiet Operation
- Fast Purge and Cleanup
- VCR Fittings Internally and Externally
- Stainless Steel Construction



* Shown connected to a Solair 1100 particle counter

golighthouse.com
info@golighthouse.com

LIGHTHOUSE WORLDWIDE SOLUTIONS

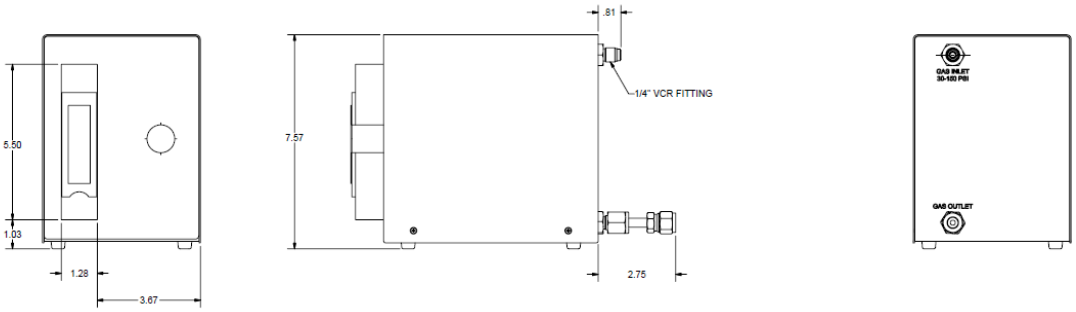
(Toll-free) 1 800 945 5905
(International) +1 541 770 5905

AKBIBIS - www.akbibis.info - contacto@akbibis.info
©2025 Lighthouse Worldwide Solutions. All rights reserved. Lighthouse Worldwide Solutions (LWS) is based in White City, Oregon, USA with offices and service centers worldwide. LWS reserves the right to change specifications without notice. For more information visit **golighthouse.com**.

DOCUMENT VERSION 2.0.1

HPC1100

HIGH PRESSURE CONTROLLER



Features / Models

HPC1100

Particle Size Range	0.1µm or greater
Flow Rate	1.0 CFM
Output Pressure	Near atmospheric
Input Pressure	30-150 psi
Compatible Gases	Helium, neon, argon, nitrogen, carbon dioxide, and compressed dry air.
Operating Noise Level	<60 db
Enclosure	Stainless steel
Wetted Materials	316L Stainless Steel, Hastelloy, PCTFE
Dimensions	5.61" (w) x 7.57" (h) x 10.32" (d) [14.22 x 19.30 x 26.21 cm]
Weight	6 lbs (2.7 kg)

Includes: Sample Tubing; VCR seals; Nylon Nut and Ferrule Set

Optional: Additional Sample Tubing; 1/4-inch Female Coupling Body Fitting; Welded Stainless Steel In-Line 1/4-inch Filter (0.5µm, 2µm, 7µm, 15µm)

Distributed by:

MADE IN USA

AKRIBIS · www.akribis.info · contacto@akribis.info