



HPC 1100 High Pressure Controller

Designed using the latest technology in high-pressure gas components, the *HPC 1100* allows attachment of Lighthouse 0.1µm particle counters to high pressure (30-150 psi) inert gas systems to provide monitoring capability for process gas contamination.

The *HPC 1100*'s exceptionally low audible noise and small footprint allow installation in areas where diffusers were thought impractical. The *HPC 1100* zero counts in less than 5 minutes and does not induce spurious or random $0.1\mu m$ counts due to oscillations as other designs can.

The *HPC 1100*'s Stainless Steel design is rugged, reliable and requires almost no routine maintenance and never requires calibration. During normal operation, no inert gas is wasted - 100% of the gas supplied is used for the sampling process.

Designed and built by Lighthouse - a name you can trust.

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com

Features:

- ★ Supports 0.1µm at 1 CFM
- ★ May be Used with Any Inert 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

Benefits:

- ★ Zero Gas Waste During Normal Operation
- ★ Output at Near Atmospheric Pressure
- **★** Low Noise
- **★** Small Footprint
- ★ Easy System Integration
- ★ 2 Year Warranty
- ★ International Sales and Service Support
- ★ Low Cost of Ownership

Applications:

- ★ Process Qualification
- ★ Semiconductor Process Monitoring
- ★ Flat Panel Process Monitoring
- ★ Process Trend Analysis

Specifications:

0.1µm or greater **Particle Size Range:**

1.0 CFM Flow Rate:

Near Atmospheric **Output Pressure:**

30-150 psi **Input Pressure**

Compatible Gases: Nitrogen, Argon, Helium, CDA

<60 db **Operating Noise Level:**

Stainless Steel **Enclosure:**

316L Stainless Steel, Hastelloy, PCTFE **Wetted Materials:**

5.61" (w) x 7.57" (h) x 10.32" (d) [14.22 x 19.30 x 26.21 cm] **Dimensions:**

6 lbs (2.7 kg) Weight:

Accessories:

Sample Tubing; VCR seals; Nylon Nut and Ferrule Set Included

Additional Sample Tubing; 1/4-inch Female Coupling Body Fitting; **Optional:**

Welded Stainless Steel In-Line 1/4-inch Filter (0.5µm, 2µm, 7µm, 15µm)

Manufactured by:



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Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

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