



LIGHTHOUSE

WORLDWIDE SOLUTIONS



HPC 1100 High Pressure Controller

Designed using the latest technology in high-pressure gas components, the **HPC 1100** allows attachment of Lighthouse 0.1 μ m 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 μ 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 0.1 μ m 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:

Particle Size Range:	0.1 μ m or greater
Flow Rate:	1.0 CFM
Output Pressure:	Near Atmospheric
Input Pressure	30-150 psi
Compatible Gases:	Nitrogen, Argon, Helium, CDA
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)

Accessories:

Included	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 (0.5 μ m, 2 μ m, 7 μ m, 15 μ m)

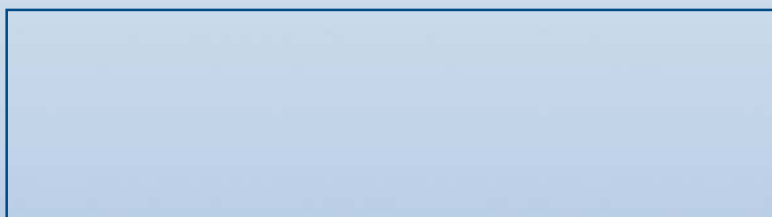
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Lighthouse Worldwide Solutions reserves the right to change specifications without notice.