HPC1100

FLOW CONTROL

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 0.1µm 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 0.1µm 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:

Particle Size Range:	0.1μm 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 (0.5μm, 2μm, 7μm, 15μm)

Manufactured by:

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ISO 9001   ECO   NATA Accredited Laboratory

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