



LIGHTHOUSE
WORLDWIDE SOLUTIONS



HIGH PRESSURE DIFFUSER



The **HIGH PRESURE DIFFUSER** was designed for use with Lighthouse Airborne Particle Counters in applications where the sample is under pressure. Standard applications include sampling of CDA, Nitrogen and other inert gasses.

Available in Vented or Ported versions, the configuration is determined by the excess sample gas being vented into the test area (Vented model) or exhausted outside of the test area (Ported model). The High Pressure Diffuser will accept inlet pressures ranging from 30 to 150 psi (2 to 10.3 bar) and is available with a 1.0 or 0.1 CFM outlet flow to meet your application needs.

The 5-piece stainless steel design is constructed with replaceable Fluorocarbon (Viton) O-Rings for easy disassembly and cleaning or service.

Designed and Built by Lighthouse, a name you can trust.

Specifications:

Description:	Isokinetic High Pressure Diffuser, Vented Version
Materials:	Stainless Steel with Nitrile (Buna-N) and Fluorocarbon (Viton) O-Rings
Inlet Pressure Range:	30 to 150 psi [2 to 10.3 bar]
Outlet Flow Rate:	0.1 CFM or 1 CFM
Flow Control:	Metal Orifice
Isokinetic Sampling Point:	Adjustable over the Inlet Pressure Range
Sample Fluid:	pressurized air, nitrogen and inert gases
Inlet and Outlet Ports:	#4 Metal Gasket High Purity VCR Fittings
Diameter:	1.31" [3.3 cm] at large cap
Length:	8.14" [20.7 cm] at the 30 psi setting and 9.87" [25.1 cm] at the 150 psi setting
Weight:	1.11 lbs [0.5 kg]
Cleanability:	Easily disassembled and cleaned; replaceable o-rings

Isokinetic High Pressure Diffuser, Ported Version
Stainless Steel with Nitrile (Buna-N) and Fluorocarbon (Viton) O-Rings
30 to 150 psi [2 to 10.3 bar]
0.1 CFM or 1 CFM
Metal Orifice
Adjustable over the Inlet Pressure Range
pressurized air, nitrogen and inert gases
#4 Metal Gasket High Purity VCR Fittings
1.31" [3.3 cm] x 3.08" [7.8 cm]
9.1" [23.1 cm] at the 30 psi setting and 10.83" [27.5 cm] at the 150 psi setting
1.65 lbs [0.75 kg]
Easily disassembled and cleaned; replaceable o-rings

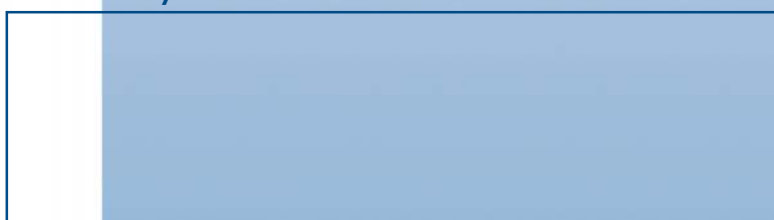
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Lighthouse Worldwide Solutions reserves the right to change specifications without notice.
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