

# Linegard™ GIGAX-FP Filters

*Cost-effective 0.0015 µm filters for high-flow range on noncritical applications*

Linegard™ GIGAX-FP in-line gas filters are designed as a cost-effective solution for high-flow range on noncritical applications.

Linegard GIGAX-FP filters are suitable for filtration of general nitrogen and compressed air, which are used for facility entrance, bulkheads, and hook up.



*Linegard™ GIGAX-FP in-line gas filters for high-flow range applications*

## APPLICATIONS

- High-flow, noncritical applications
- For filtration of compressed dry air and inert gases
- Suitable for general nitrogen and compressed air
- Facility entrances, bulkheads, and hook up

## FEATURES & BENEFITS

<b>PTFE membrane supported by polypropylene structures</b>	Provides a cost-effective solution for filtration of compressed air and inert gases
<b>High-flow design</b>	Enables use in applications up to 3000 slpm

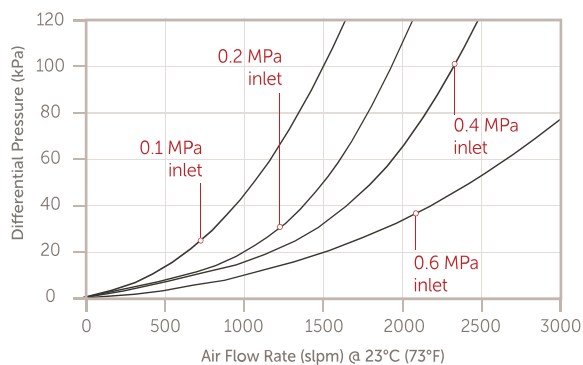
## SPECIFICATIONS

<b>Materials</b>	Membrane:	PTFE
	Supports:	Polypropylene
	O-ring	Encapsulated fluoroelastomer (E-FKM)*
	Housing:	316L Stainless Steel
<b>Surface finish interior</b>	25 µin Ra	
<b>Removal rating</b>	>0.0015 µm (in gas)	
<b>Maximum operating conditions</b>	Maximum inlet pressure:	1.2 MPa (12 bar, 174 psig) @ RT
	Maximum forward differential pressure:	0.41 MPa (4.1 bar, 59 psid) @ RT
	Maximum reverse differential pressure:	0.05 MPa (0.5 bar, 7 psid) @ RT
	Maximum operating temperature:	60°C (140°F)
<b>Helium leak rating</b>	$1 \times 10^{-10}$ Pa·m <sup>3</sup> /sec	
<b>Recommended gases</b>	Compressed dry air (CDA) and inert gases	
<b>Warranty</b>	1 year	

\*The O-ring material for butt weld (LGGXFPBW6) is EPDM. Please contact Entegris for compatibility with other gases.

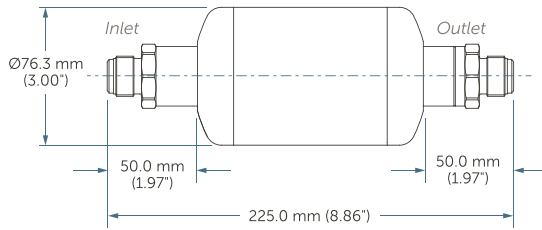
## PERFORMANCE DATA

Linegard GIGAX-FP Filters

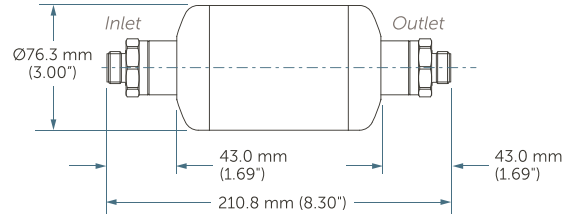


## DIMENSIONS

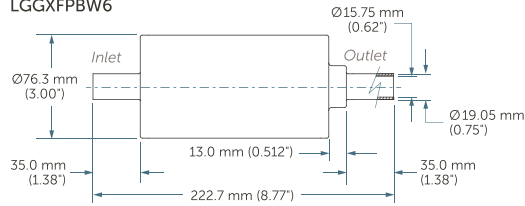
LGGXFPRR4



LGGXFPSS4



LGGXFPBW6



## ORDERING INFORMATION

PART NUMBER	FITTING SIZE & TYPE	LENGTH
LGGXFPBW6	3/4" butt weld	222.7 mm (8.77")
LGGXFPRR4	1/2" gasket seal (1/2" VCR® compatible)	225.0 mm (8.86")
LGGXFPSS4	1/2" compression seal (1/2" Swagelok® compatible)	210.8 mm (8.30")

## FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

## TERMS AND CONDITIONS OF SALE

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit [entegris.com](http://entegris.com) and select the [Terms & Conditions](#) link in the footer.



Corporate Headquarters  
129 Concord  
Billerica, MA 01821  
USA

Customer Service  
Tel +1 952 556 4181  
Fax +1 952 556 8022  
Toll Free 800 394 4083

Entegris®, the Entegris Rings Design®, and other product names are trademarks of Entegris, Inc. as listed on [entegris.com/trademarks](http://entegris.com/trademarks). All third-party product names, logos, and company names are trademarks or registered trademarks of their respective owners. Use of them does not imply any affiliation, sponsorship, or endorsement by the trademark owner.