

# Linegard™ MAX-FP Gas Filters

*Cost-effective 0.0015 µm filters for mid-flow range, noncritical applications*

Linegard™ MAX-FP in-line gas filters have a particle removal rating of  $\geq 0.0015\ \mu\text{m}$  and are a cost-effective solution for mid-flow range, noncritical applications. Recommended for filtration of compressed dry air and inert gases such as general nitrogen in instrument air, air knife, purge/vent line, hook up, and dryer applications.



## APPLICATIONS

- Mid-flow range on noncritical applications
- For filtration of compressed dry air and inert gases
- Instrument air, air knife, purge/vent line, hook up and dryer

*Linegard™ MAX-FP gas filters for mid-flow range applications*

## FEATURES & BENEFITS

<b>PTFE membrane supported by polypropylene structures</b>	Provides a cost-effective solution for filtration of compressed air and inert gases
<b>Compact housing with large diameter filter element</b>	Enables high flow rate/low pressure drop, resulting in up to 1000 slpm
<b>Various fitting and length configurations</b>	Provide easy installation without requiring gas panel or delivery system design changes

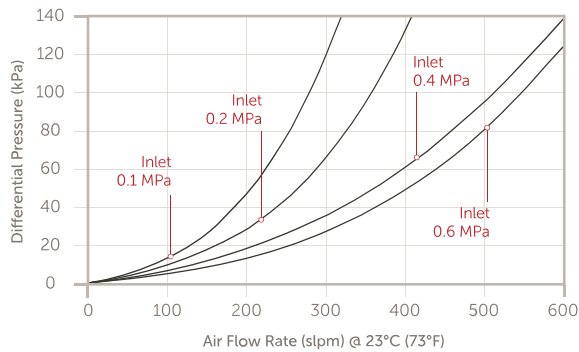
## SPECIFICATIONS

<b>Materials</b>	Membrane: PTFE
	Supports: Polypropylene
	O-Ring: Fluoroelastomer (FKM)
	Housing: 316L stainless steel
<b>Surface finish interior</b>	25 $\mu\text{in Ra}$
<b>Removal rating</b>	$\geq 0.0015 \mu\text{m}$ (in gas)
<b>Maximum operating conditions</b>	Maximum inlet pressure: 0.7 MPa (7 bar, 101.5 psig) @ RT
	Maximum forward differential pressure: 0.41 MPa (4.1 bar, 59 psid) @ RT
	Maximum reverse differential pressure: 0.2 MPa (2 bar, 29 psid) @ RT
	Maximum operating temperature: 60°C (140°F)
<b>Helium leak rating</b>	$1 \times 10^{-10} \text{ Pa}\cdot\text{m}^3/\text{sec}$
<b>Recommended gases</b>	Compressed dry air (CDA) and inert gases
<b>Warranty</b>	1 year

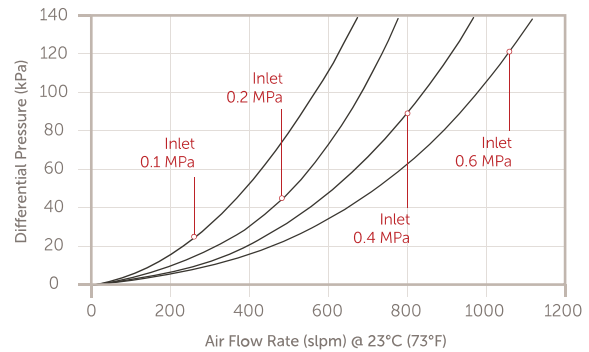
For compatibility with other gases, please contact Entegris.

## PERFORMANCE DATA

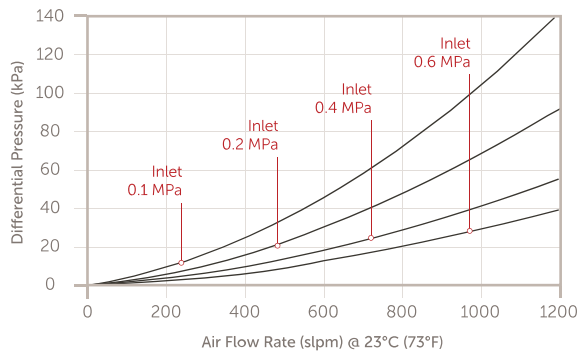
Lineard MAX-FP Filters with 1/4" Fittings (except NPT)



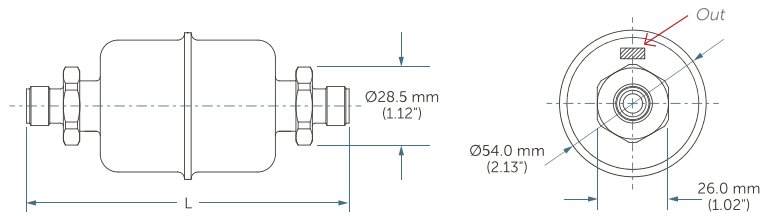
Lineard MAX-FP Filters with 3/8" Fittings and 1/4" NPT



Lineard MAX-FP Filters with 1/2" Fittings



## DIMENSIONS



Part number	Fitting	Length (L)
LGMXFPSS2	1/4" Swagelok compatible	112.7 mm (4.44")
LGMXFPSS2L	1/4" Swagelok compatible (long)	141.0 mm (5.55")
LGMXFPSS3	3/8" Swagelok compatible	117.9 mm (4.64")
LGMXFPSS3L	3/8" Swagelok compatible (long)	148.0 mm (5.83")
LGMXFPSS4	1/2" Swagelok compatible	118.7 mm (4.67")
LGMXFPRR2	1/4" Male VCR compatible	127.0 mm (5.00")
LGMXFPRR4	1/2" Male VCR compatible	127.0 mm (5.00")
LGMXFPBB2	1/4" Female NPT	131.8 mm (5.19")

## ORDERING INFORMATION

PART NUMBER	FITTING SIZE & TYPE
LGMXFPBB2	1/4" female NPT
LGMXFPRR2	1/4" male VCR® compatible
LGMXFPRR4	1/2" male VCR® compatible
LGMXFPSS2	1/4" Swagelok® compatible
LGMXFPSS2L	1/4" Swagelok® compatible (long length)
LGMXFPSS3	3/8" Swagelok® compatible
LGMXFPSS3L	3/8" Swagelok® compatible (long length)
LGMXFPSS4	1/2" Swagelok® compatible

#### 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.

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