

High-Purity, Non-Corrosive

Description: The Airgas® 700 Series high-purity Depth Gas Filters are the workhorses of laboratories and many high-purity industrial processes. They are routinely used in critical gas lines and as pre-filters to extend the lifetime of more expensive filtration units. They are designed to provide high filtration efficiency at an economical cost.

The Airgas® 800 Series high-purity Membrane Gas Line Filter has a PTFE medium that efficiently traps particles down to 0.003 microns. The 800 Series may be installed in gas lines supplied by cylinder or bulk sources.

The Airgas® 1700 Series has all stainless steel construction with excellent flow characteristics for such a compact design. The 1700 Series is 100% pressure tested, integrity tested and helium leak checked. All filters are vacuum packed in a clean room. The 1700 Series filters are available with Butt Weld, Gasket Seals and Compression Fittings.

The Airgas® 800, 900 and 1700 Series in-line filters are intended for the particulate filtration of ultra-high-purity semiconductor grade gases. These filters are designed specifically to remove sub-micron-size particulates from process gases. They provide guaranteed 0.003-micron, absolute filtration efficiently and long service. Unlike other gas line filters, the Airgas® high-purity non-corrosive series filters will not shed particles. The 316L stainless steel housing withstands high operating pressures and provides maximum safety and application compatibility. All filters are 100% helium leak tested to 10⁻⁹ atm cc/sec.

Gas Filters

MISCELLANEOUS EQUIPMENT



Specifications		
Filtration Rating		
700 Series		100% @ 0.01 microns
800 & 900 Series		100% @ 0.003-microns
1700 Series		100% of all particles
Max Operating Pressure		
700 Series		250 psig
800 Series		750 psig
900 & 1700 Series		3,000 psig
Operating Temperature		
700, 800, 900 & 1700 Series		250° F
Materials		
Filter		
700 Series		Unbindered Glass Fiber / 316 K Fiber Mesh
800 Series		PTFE/Polypropylene-supported
900 Series		PTFE/FEP PTFE-supported
1700 Series		Sintered Stainless Steel
Housing		
700, 800, 900 & 1700 Series		316L Stainless Steel
LF915C		Hastelloy®
Seal	800 & 900 Series	Viton® O-Ring (PTFE for ammonia)
Finish (inside)		
700 Series		20 Ra
800 & 900 Series		10 Ra
1700 Series		7 Ra

Ordering Information

Product Number	Housing Materials	Max. Operating Pressure (psig)	Fittings (Inlet/Outlet)	Dimensions (inches)	Max. Flow (lpm)
Y40-LF8118P	316L Stainless Steel	750	1/2" Compression	5.81" x 2.0"	300 lpm
Y40-LF815P	316L Stainless Steel	750	1/4" M Gasket Seal	5.56" x 2.0"	300 lpm
Y40-LF814P	316L Stainless Steel	750	1/4" F Gasket Seal	5.81" x 2.0"	300 lpm
Y40-LF911	316L Stainless Steel	3,000	1/4" Compression	2.88" x 1.0"	30 lpm
Y40-LF915	316L Stainless Steel	3,000	1/4" M Gasket Seal	3.31" x 1.0"	30 lpm
Y40-LF915C*	Hastelloy®	3,000	1/4" M Gasket Seal	3.31" x 1.0"	30 lpm
Y40-LF1728*	316L Stainless Steel	3,000	1/4" FNPT	2.68" x 1.5"	100 lpm
Y40-LF1711*	316L Stainless Steel	3,000	1/4" Compression	3.20" x 1.5"	100 lpm
Y40-LF1712*	316L Stainless Steel	3,000	1/4" Gasket Seal M/F	3.31" x 1.5"	100 lpm
Y40-LF1713*	316L Stainless Steel	3,000	1/4" Gasket Seal F/M	3.31" x 1.5"	100 lpm
Y40-LF1714*	316L Stainless Steel	3,000	1/4" Gasket Seal F/F	3.31" x 1.5"	100 lpm
Y40-LF1715*	316L Stainless Steel	3,000	1/4" Gasket Seal M/M	3.31" x 1.5"	100 lpm
Y40-LF1750BW*	316L Stainless Steel	3,000	1/4" Butt Weld	3.0" x 1.5"	100 lpm

* 316L Housing with sintered stainless steel