

# FG Series

ARM Purification offers world class ambient operation purifier technology optimized for a wide range of flow rates.

The FG series purifiers are engineered to remove impurities from fluorocarbon gases, such as  $CF_4$ ,  $C_2F_6$ ,  $C_3F_8$ ,  $C_4F_8$ ,  $CClF_3$ ,  $CCl_2F_2$ ,  $CCl_4$ ,  $CHF_3$ ,  $CH_3F$



## FG Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
FG-903	H <sub>2</sub> O	< 100 ppt	no	no	3 ppm H <sub>2</sub> O
FG-908	H <sub>2</sub> O, H <sub>2</sub> , O <sub>2</sub> , CO, CO <sub>2</sub> , NMHC, Sulfur Compounds	< 100 ppt	no	yes	1 ppm O <sub>2</sub>

## FG Series Size

Model Number	Standard Fitting*	Diameter Inches	Length Inches	Maximum Pressure Rating (psig)	Nominal Flow Rates (slpm)		Max Flow Rates (slpm)
	Inches				FG-903	FG-908	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.7	0.3	1
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	0.7	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	1.2	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	1.7	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	1.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	4.8	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	7.1	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	7.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	20	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	15	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	15	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	20	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	43	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	73	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	73	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	82	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	177	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	273	1000

\*Optional fitting sizes may be available; please consult factory.

The FG series is designed for high and ultra high purity applications that require process gas impurity levels of 100 PPT or less.

**KEY FEATURES**

- 316L stainless filtration media
- 1.5nm outlet filtration
- 316L stainless steel fiber media
- Simple installation
- CE certification available

**OPERATING CONDITIONS**

- Typical operating temperature range of 0°C–50°C (32°F–122°F)
- Max operating temperature of 50°C (122°F)

**ORDERING INFORMATION**

Example: Fluorocarbon Gas Purifier



**Class**

FG = Fluorocarbon Gas

**Fill**

Additional fill options available (see **FG Series Media** chart for details)

**Size**

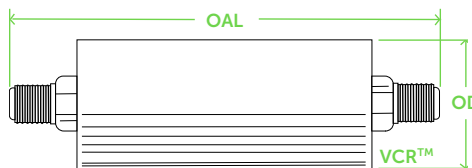
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

**Fittings**

V04=1/4"      V12=3/4"  
V08=1/2"      V16=1"

**Filtration**

No letter = .1 micron filter  
F = 1.5nm filter



**DON'T SEE WHAT YOU NEED?**

Speak to our team about your requirements and we can work with you to identify the purifier solution best suited for your application.

**Place an Order**

[orders@appliedenergysystems.com](mailto:orders@appliedenergysystems.com)

Contact your ARM Purification sales rep or visit [armpurification.com/request-quote/](http://armpurification.com/request-quote/)



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**ARM-POU-FG-Series-112023**