

IG Series

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

The IG series purifiers are engineered to remove impurities from inert gases, such as **Ar, N₂, He, Ne, Kr and Xe.**



IG Series Media

Fill Material	Impurities Removed
IG-101	H ₂ O
IG-103	H ₂ O, CO ₂ , NMHC, Acids, Bases, Refractory Compounds
IG-105	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC
IG-106	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds

IG Series Size

Model Number	Standard Fitting Inches	Diameter Inches	Length Inches	Maximum Pressure Rating (psig)	Nominal Flow Rates (slpm)				Max Flow Rates (slpm)
					IG-101*	IG-103**	IG-105***	IG-106***	
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	1.4	0.7	0.4	2
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	3.3	1.6	0.9	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	3.7	1.7	1	10.1
200630	1/4" MVCR (V04)	2.00	6.30	250	11.2	10.5	4.6	2.6	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.4	15.4	7	3.8	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.1	16.9	7.6	4.1	49
251250	1/4" MVCR (V04)	2.50	12.50	250	45	43	19	11	100
300794	1/4" MVCR (V04)	3.00	7.94	200	34	32	14	8	80
300820	1/2" MVCR (V08)	3.00	8.20	200	36	42	17	8	80
301000	1/2" MVCR (V08)	3.00	10.00	200	47	44	20	11	105
301820	1/2" MVCR (V08)	3.00	18.20	200	101	87	43	23	200
401760	1/2" MVCR (V08)	4.00	17.60	200	170	185	70	38	500
402000	1/2" MVCR (V08)	4.00	20.00	200	190	225	80	43	560
403510	1/2" MVCR (V08)	4.00	35.10	200	360	395	155	81	600
602760	3/4" MVCR (V12)	6.00	27.60	150	625	685	265	141	1000
603934	3/4" MVCR (V12)	6.00	39.34	150	920	1010	390	207	1440
605100	1" MVCR (V16)	6.00	51.00	150	1220	1335	515	274	2000

Purifiers listed remove impurities to < 100 parts per trillion (PPT).

*based on 3 ppm moisture

**based on 1 ppm moisture

***based on 1 ppm O₂

The IG 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)
- Nominal flow rate of 0.4 slpm to 1335 slpm (depending on vessel size)

ORDERING INFORMATION

Example: Inert Gas Purifier



Class

IG = Inert Gas

Fill

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

Size

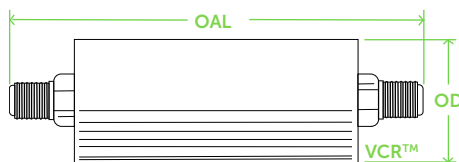
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

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

Contact your ARM Purification sales rep or visit armpurification.com/request-quote/



BROUGHT TO YOU BY



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