

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	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
IG-101	H ₂ O	< 100 ppt	yes	no	3 ppm H ₂ O
IG-103	H ₂ O, CO ₂ , NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	no	1 ppm H ₂ O
IG-105	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC	< 100 ppt	yes	yes	1 ppm O ₂
IG-106	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	yes	1 ppm O ₂
IG-108	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Sulfur Compounds	< 100 ppt	yes	yes	1 ppm O ₂
IG-115	NMHC, Refractory Compounds, DMF	< 100 ppt	yes	no	1 ppm NMHC (as Toluene)

IG Series Size

Model Number	Standard Fitting*	Diameter Inches	Length Inches	Maximum Pressure Rating (psig)	Nominal Flow Rates (slpm)						Max Flow Rates (slpm)
	Inches				IG-101	IG-103	IG-105	IG-106	IG-108	IG-115	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.7	0.7	0.3	0.2	0.3	0.8	1
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	1.8	0.8	0.4	0.7	1.9	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	3.7	1.3	0.7	1.2	3.9	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	4.1	1.8	0.9	1.7	4.4	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	4.5	2.0	1.0	1.8	4.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	12.0	5.4	2.7	4.8	12.9	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	17.7	7.9	3.9	7.1	18.9	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	19.4	8.7	4.3	7.8	20.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	49	22	11	20	52	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	36	16	8	15	39	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	36	16	8	15	39	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	50	22	11	20	54	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	108	48	24	43	116	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	171	81	38	73	183	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	171	81	38	73	183	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	204	91	45	82	219	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	340	196	76	177	364	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	681	304	152	273	729	1000

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

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)

ORDERING INFORMATION

Example: Inert Gas Purifier



Class

IG = Inert Gas

Fill

See IG Series Media chart for details.

Size

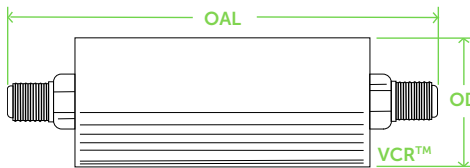
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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