

HCG Series

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

The HCG series purifiers are engineered to remove impurities from **hydrocarbon gases, such as CH₄, C₂H₂, C₂H₄, C₂H₆, and C₃H₈.**



HCG Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
HCG-1106	H ₂ O	< 100 ppt	no	no	3 ppm H ₂ O
HCG-1108	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Sulfur Compounds	< 100 ppt	no	yes	1 ppm O ₂
HCG-1115	NMHC, Refractory Compounds, DMF	< 100 ppt	no	no	1 ppm NMHC (as Toluene)

HCG Series Size

Model Number	Standard Fitting*	Diameter Inches	Length Inches	Maximum Pressure Rating (psig)	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
					HCG-1106	HCG-1108	HCG-1115	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.7	0.3	0.8	1
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	0.7	1.9	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	1.2	3.9	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	1.7	4.4	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	1.8	4.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	4.8	12.9	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	7.1	18.9	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	7.8	20.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	20	52	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	15	39	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	15	39	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	20	54	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	43	116	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	73	183	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	73	183	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	82	219	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	177	364	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	273	729	1000

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

The HCG series is designed for high and ultra high purity applications that require process gas impurity levels of 100 PPT or less, except for HG-1106 which has levels of < 1 PPT.

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: Hydrocarbon Gas Purifier



Class

HCG = Hydrocarbon Gas

Fill

See HCG Series Media chart for details.

Size

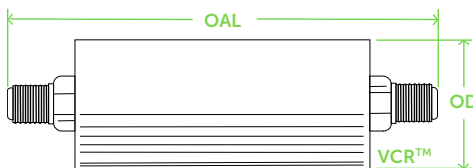
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

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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