ARM PURIFICATION
BY APPLIED ENERGY SYSTEMS

RG Series

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

The RG series purifiers are engineered to remove impurities from reactive gases, such as **D_2, H_2, H_2/Ar, H_2/He, and H_2/N_2.**

RG Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
RG-201	H_2O	< 100 ppt	yes	no	3 ppm H_2O
RG-203	H_2O, CO_2, NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	no	1 ppm H_2O
RG-205	H_2O, O_2, CO, CO_2, NMHC	< 100 ppt	yes	yes	1 ppm O_2
RG-206	H_2O, O_2, CO, CO_2, NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	yes	1 ppm O_2
RG-208	H_2O, O_2, CO, CO_2, NMHC, Sulfur Compounds	< 100 ppt	yes	yes	1 ppm O_2
RG-215	NMHC, Refractory Compounds, DMF	< 100 ppt	yes	no	1 ppm NMHC (as Toluene)

RG Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)						Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	RG-201	RG-203	RG-205	RG-206	RG-208	RG-215	
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	137	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 RG 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: Reactive Gas Purifier

RG	–	201	–	301000	–	V08	–	F
Class		Fill		Size		Fittings		Filtration

Class

RG = Reactive Gas

Fill

See RG Series Media chart for details.

Size

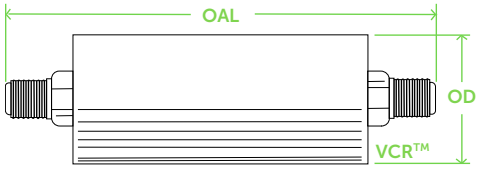
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

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/**

ARM PURIFICATION
BY APPLIED ENERGY SYSTEMS

BROUGHT TO YOU BY
APPLIED ENERGY SYSTEMS
www.appliedenergysystems.com

180 Quaker Lane
Malvern, PA 19355 USA
610.647.8744
purification@appliedenergysystems.com
www.armpurification.com