

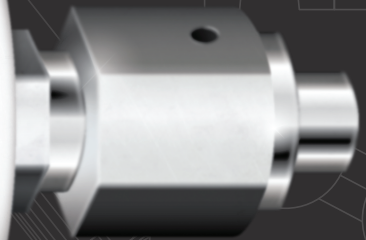


ARM PURIFICATION
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Point-of-Use Purifier Datasheets



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AG Series

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

The AG series purifiers are engineered to remove impurities from **acid and corrosive gases, such as Cl_2 , HCl , HBr , and BCl_3 .**



AG Series Media

Fill Material	Gas Purified	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
AG-301	Any Acid Gas	H_2O	1 < ppb	no	no	1 ppm H_2O
AG-302	HCl & Cl_2	H_2O & Metals	1 < ppb	no	no	1 ppm H_2O
AG-303	HBr	H_2O	1 < ppb	no	no	1 ppm H_2O

AG Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	AG-301	AG-302	AG-303	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.3	0.6	0.3	1
150330	1/4" MVCR (V04)	1.50	3.30	250	0.7	1.3	0.8	2
150450	1/4" MVCR (V04)	1.50	4.50	250	1.5	2.9	1.6	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	1.7	2.9	1.6	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	1.8	3.5	2	10
200630	1/4" MVCR (V04)	2.00	6.30	250	4.9	9.5	5.4	30
200820	1/4" MVCR (V04)	2.00	8.20	250	7.1	13.9	8	45
200880	1/4" MVCR (V04)	2.00	8.80	250	7.8	15.3	8.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	20	Contact Factory	Contact Factory	100
300790	1/2" MVCR (V08)	3.00	7.90	200	15	Contact Factory	Contact Factory	80
300794	1/2" MVCR (V08)	3.00	7.94	200	15	Contact Factory	Contact Factory	80
301000	1/2" MVCR (V08)	3.00	10.00	200	20	Contact Factory	Contact Factory	105
301820	1/2" MVCR (V08)	3.00	18.20	200	44	Contact Factory	Contact Factory	200
401730	1/2" MVCR (V08)	4.00	17.30	200	69	Contact Factory	Contact Factory	500
401760	1/2" MVCR (V08)	4.00	17.60	200	69	Contact Factory	Contact Factory	500
402000	1/2" MVCR (V08)	4.00	20.00	200	82	Contact Factory	Contact Factory	560
403090	1/2" MVCR (V08)	4.00	30.90	200	137	Contact Factory	Contact Factory	600
602760	1/2" MVCR (V08)	6.00	27.60	150	275	Contact Factory	Contact Factory	1000

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

The AG series is designed for high and ultra high purity applications that require process gas impurity levels of 1 PPB 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: Acid Gas Purifier



Class

AG = Acid/Corrosive Gas

Fill

See AG Series Media chart for details.

Size

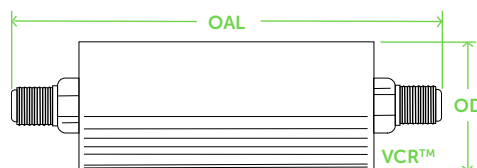
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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

Filtration

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



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CO Series

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

The CO series purifiers are engineered to remove impurities from **carbon monoxide gas (CO)**.



CO Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
CO-801	H ₂ O, O ₂ , CO ₂	< 1 ppb	no	no	1 ppm H ₂ O

CO Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)	Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	CO-801	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.2	1
150330	1/4" MVCR (V04)	1.50	3.30	250	0.6	2
150450	1/4" MVCR (V04)	1.50	4.50	250	1.4	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	1.5	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	1.5	10
200630	1/4" MVCR (V04)	2.00	6.30	250	2.4	30
200820	1/4" MVCR (V04)	2.00	8.20	250	5.5	45
200880	1/4" MVCR (V04)	2.00	8.80	250	6.6	49
251250	1/4" MVCR (V04)	2.50	12.50	250	18	100
300790	1/2" MVCR (V08)	3.00	7.90	200	12	80
300794	1/2" MVCR (V08)	3.00	7.94	200	12	80
301000	1/2" MVCR (V08)	3.00	10.00	200	17	105
301820	1/2" MVCR (V08)	3.00	18.20	200	38	200
401730	1/2" MVCR (V08)	4.00	17.30	200	60	500
401760	1/2" MVCR (V08)	4.00	17.60	200	61	500
402000	1/2" MVCR (V08)	4.00	20.00	200	70	560

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

The CO 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: Carbon Monoxide Purifier



Class

CO = Carbon Monoxide

Fill

See CO Series Media chart for details.

Size

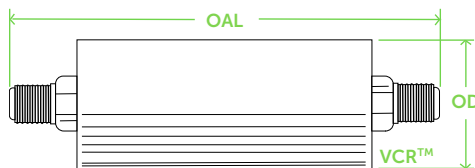
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Fittings

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V08=1/2" V16=1"

Filtration

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



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CO2 Series

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

The CO2 series purifiers are engineered to remove impurities from **carbon dioxide gas (CO₂)**.



CO2 Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
CO2-701	H ₂ O	< 100 ppt	yes	no	3 ppm H ₂ O
CO2-703	H ₂ O, O ₂ , CO, H ₂ , NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	yes	1 ppm O ₂
CO2-715	NMHC, Refractory Compounds, DMF	< 100 ppt	yes	no	1 ppm NMHC (as Toluene)

CO2 Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	CO2-701	CO2-703	CO2-715	
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	0.8	1.9	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	1.3	3.9	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	1.8	4.4	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	2.0	4.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	5.4	12.9	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	7.9	18.9	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	8.7	20.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	22	52	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	16	39	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	16	39	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	22	54	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	48	116	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	81	183	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	81	183	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	91	219	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	196	364	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	304	729	1000

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

The CO2 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: Carbon Dioxide Gas Purifier



Class

CO2 = Carbon Dioxide

Fill

Additional fill options available (see **CO2 Series Media** chart for details)

Size

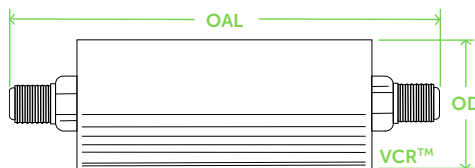
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Fittings

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

Filtration

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



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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_2O	< 100 ppt	no	no	3 ppm H_2O
FG-908	H_2O , H_2 , O_2 , CO , CO_2 , NMHC, Sulfur Compounds	< 100 ppt	no	yes	1 ppm O_2

FG Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)		Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	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

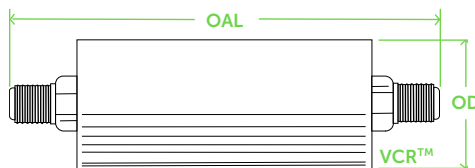
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Fittings

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

Filtration

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



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ARM-POU-FG-Series-112023



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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	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	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
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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

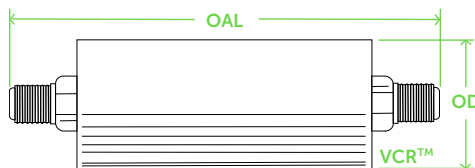
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Fittings

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V08=1/2" V16=1"

Filtration

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F = 1.5nm filter



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HG Series

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

The HG series purifiers are engineered to remove impurities from **hydride gases, such as SiH_4 , SiH_4/H_2 , Si_2H_6 , AsH_3 , PH_3 , NH_3 , B_2H_6 , H_2S , H_2Se , $\text{H}_2\text{Se}/\text{H}_2$, GeH_4 , GeH_4/H_2 , Ge_2H_6 .**



HG Series Media

Fill Material	Gas Purified	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
HG-501	Hydrides	H_2O , O_2 , CO_2	< 1 ppb	no	yes	1 ppm O_2
HG-502	Ammonia	H_2O , O_2 , CO_2 , NMHC	< 1 ppb	yes	yes	1 ppm O_2
HG-508	Hydrides	H_2O	< 1 ppb	no	no	3 ppm H_2O

HG Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	HG-501	HG-502	HG-508	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.2	0.3	0.7	1
150330	1/4" MVCR (V04)	1.50	3.30	250	0.4	0.6	1.7	2
150450	1/4" MVCR (V04)	1.50	4.50	250	0.8	1.0	3.5	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	0.9	1.0	3.9	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	1.0	1.6	4.2	10
200630	1/4" MVCR (V04)	2.00	6.30	250	2.6	4.0	11.4	30
200820	1/4" MVCR (V04)	2.00	8.20	250	3.9	6.3	16.7	45
200880	1/4" MVCR (V04)	2.00	8.80	250	4.3	6.9	18.3	49
251250	1/4" MVCR (V04)	2.50	12.50	250	11	17	46	100
300790	1/2" MVCR (V08)	3.00	7.90	200	8	13	35	80
300794	1/2" MVCR (V08)	3.00	7.94	200	8	13	35	80
301000	1/2" MVCR (V08)	3.00	10.00	200	11	18	48	105
301820	1/2" MVCR (V08)	3.00	18.20	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory
401730	1/2" MVCR (V08)	4.00	17.30	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory
401760	1/2" MVCR (V08)	4.00	17.60	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory
402000	1/2" MVCR (V08)	4.00	20.00	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory
403090	1/2" MVCR (V08)	4.00	30.90	200	Contact Factory	Contact Factory	Contact Factory	Contact Factory
602760	1/2" MVCR (V08)	6.00	27.60	150	Contact Factory	Contact Factory	Contact Factory	Contact Factory

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

The HG series is designed for high and ultra high purity applications that require process gas impurity levels of 1 PPB 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: Hydride Gas Purifier



Class

HG = Hydride Gas

Fill

See HG Series Media chart for details.

Size

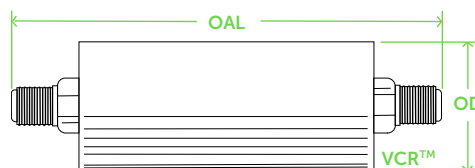
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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

Filtration

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



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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	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)						Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	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

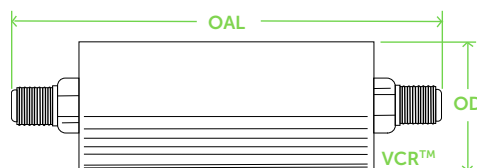
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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

Filtration

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



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OG Series

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

The OG series purifiers are engineered to remove impurities from **oxygen and oxygenated gases**, such as **O₂**, **CDA**, **N₂O**, and **NO**.



OG Series Media

Fill Material	Impurities Removed	Outlet Purity	Factory Regenerable	Dangerous Goods	Lifetime of 1 year based on inlet challenge
OG-601	H ₂ O	< 100 ppt	yes	no	3 ppm H ₂ O
OG-602	H ₂ O, CO ₂ , NMHC, Acids & Bases, Refractory Compounds	< 100 ppt	yes	no	1 ppm H ₂ O
OG-605	Acids & Bases, Refractory Compounds	< 1 ppb	no	no	1 ppm Toluene
OG-606	H ₂ O, CO ₂ , NMHC	< 100 ppt	yes	no	3 ppm H ₂ O
OG-615	NMHC, Refractory Compounds, DMF	< 100 ppt	yes	no	1 ppm NMHC (as Toluene)

OG Series Size

Model	Standard Fitting*	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)					Max Flow Rates (slpm)
Number	Inches	Inches	Inches	Rating (psig)	OG-601	OG-602	OG-605	OG-606	OG-615	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.7	0.7	0.2	0.7	0.8	1
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	1.8	0.5	1.7	1.9	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	3.7	1.3	3.5	3.9	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	4.1	1.4	3.9	4.4	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	4.5	1.5	4.2	4.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	12.0	3.8	11.4	12.9	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	17.7	6.1	16.7	18.9	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	19.4	7.2	18.3	20.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	49	16	46	52	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	36	12	35	39	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	36	11	35	39	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	50	15	48	54	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	108	32	102	116	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	171	60	161	183	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	171	62	161	183	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	204	80	193	219	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	340	100	322	364	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	681	200	644	729	1000

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

The OG 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: Oxygen/CDA Purifier



Class

OG = Oxygen/Oxygenated Gas

Fill

See OG Series Media chart for details.

Size

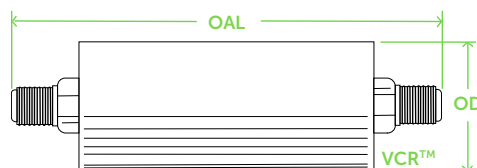
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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

Filtration

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



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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 H_2 , D_2 , H_2/Ar , H_2/N_2 , H_2/He .



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-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-215	
100330	1/4" MVCR (V04)	1.00	3.30	250	0.7	0.7	0.3	0.2	0.8	1
150330	1/4" MVCR (V04)	1.50	3.30	250	1.7	1.8	0.8	0.4	1.9	2
150450	1/4" MVCR (V04)	1.50	4.50	250	3.5	3.7	1.3	0.7	3.9	8.3
150480	1/4" MVCR (V04)	1.50	4.80	250	3.9	4.1	1.8	0.9	4.4	9.4
150500	1/4" MVCR (V04)	1.50	5.00	250	4.2	4.5	2.0	1.0	4.8	10
200630	1/4" MVCR (V04)	2.00	6.30	250	11.4	12.0	5.4	2.7	12.9	30
200820	1/4" MVCR (V04)	2.00	8.20	250	16.7	17.7	7.9	3.9	18.9	45
200880	1/4" MVCR (V04)	2.00	8.80	250	18.3	19.4	8.7	4.3	20.8	49
251250	1/4" MVCR (V04)	2.50	12.50	250	46	49	22	11	52	100
300790	1/2" MVCR (V08)	3.00	7.90	200	35	36	16	8	39	80
300794	1/2" MVCR (V08)	3.00	7.94	200	35	36	16	8	39	80
301000	1/2" MVCR (V08)	3.00	10.00	200	48	50	22	11	54	105
301820	1/2" MVCR (V08)	3.00	18.20	200	102	108	48	24	116	200
401730	1/2" MVCR (V08)	4.00	17.30	200	161	171	81	38	183	500
401760	1/2" MVCR (V08)	4.00	17.60	200	161	171	81	38	183	500
402000	1/2" MVCR (V08)	4.00	20.00	200	193	204	91	45	219	560
403090	1/2" MVCR (V08)	4.00	30.90	200	322	340	196	76	364	600
602760	1/2" MVCR (V08)	6.00	27.60	150	644	681	304	152	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



Class

RG = Reactive Gas

Fill

See RG Series Media chart for details.

Size

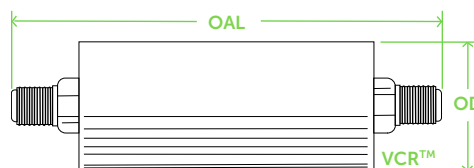
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

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

Filtration

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



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