

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
CO2-701	H ₂ O
CO2-702	H ₂ O, Acids, Bases, Refractory Compounds
CO2-703	H ₂ O, H ₂ , O ₂ , CO, NMHC, Acids, Bases, Refractory Compounds
CO2-707	H ₂ O, H ₂ , O ₂ , CO, NMHC

CO2 Series Size

Model Number	Diameter Inches	Length Inches	Maximum Pressure Rating (psig)	Nominal Flow Rates (slpm)				Max Flow Rates (slpm)
				CO2-701*	CO2-702**	CO2-703***	CO2-707***	
150330	1.50	3.30	250	1.7	1.4	0.4	0.7	2
150480	1.50	4.80	250	3.9	3.3	0.9	1.6	9.4
150500	1.50	5.00	250	4.2	3.7	1	1.7	10.1
200630	2.00	6.30	250	11.2	10.5	2.6	4.6	30
200820	2.00	8.20	250	16.4	15.4	3.8	7	45
200880	2.00	8.80	250	18.1	16.9	4.1	7.6	49
251250	2.50	12.50	250	45	43	11	19	100
300794	3.00	7.94	200	34	32	8	14	80
300820	3.00	8.20	200	36	42	8	17	80
301000	3.00	10.00	200	47	44	11	20	105
301820	3.00	18.20	200	101	87	23	43	200
401760	4.00	17.60	200	170	185	38	70	500
402000	4.00	20.00	200	190	225	43	80	560
403510	4.00	35.10	200	360	395	81	155	600
602760	6.00	27.60	150	625	685	141	265	1000
603934	6.00	39.34	150	920	1010	207	390	1440
605100	6.00	51.00	150	1220	1335	274	515	2000

*based on 3 ppm moisture

**based on 1 ppm moisture

***based on 1 ppm O₂

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

ORDERING INFORMATION

Example: Carbon Dioxide Gas Purifier



Class

CO2 = Carbon Dioxide

Fill

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

Size

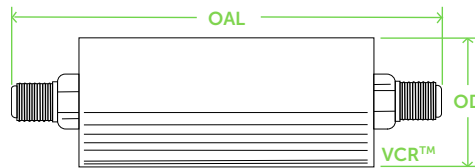
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

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/

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BY APPLIED ENERGY SYSTEMS

BROUGHT TO YOU BY

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