

# 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 <sub>2</sub> O, O <sub>2</sub> , CO <sub>2</sub>	< 1 ppb	no	no	1 ppm H <sub>2</sub> 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

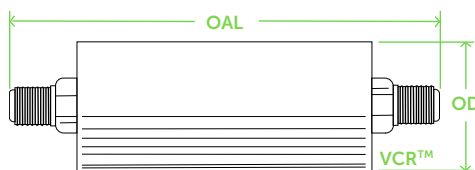
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

#### 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](mailto:orders@appliedenergysystems.com)

Contact your ARM Purification sales rep or visit [armpurification.com/request-quote/](http://armpurification.com/request-quote/)

 **ARM PURIFICATION**  
BY APPLIED ENERGY SYSTEMS

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