

# Activated Carbon Gas Purifier



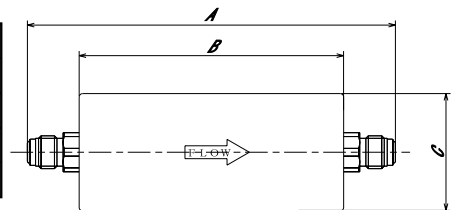
- High efficient gas purification at use point with ultra accurate gas filter element and high cleaning level activated carbon applicable for fine grain, gaseous organic matter, acid impurity in dry air and inactivate gas.

## Specification

Material	Housing: SUS316L Filter Element: SUS316L Refining agent: single spherical activated carbon
Design Pressure	0.98MPa (142PSIG)
Max. Operating Differential Pressure	0.68MPa (98.6PSIG)
Max. Operating Back Pressure	0.3MPa (43.5PSIG)
Built-in Filter Element Filtration Accuracy	0.003 $\mu$ m or more (99.999999%)
Impurity Capture Efficiency	<ul style="list-style-type: none"> <li>Gaseous organic matter (hydrocarbon of C<sub>6</sub> or more is removed to 99.9% or more)</li> <li>Acid impurity (NO<sub>2</sub>, SO<sub>3</sub>, SO<sub>2</sub>, H<sub>2</sub>S, HF, HCL, HBr, NH<sub>3</sub> etc. are removed to 99.9% or more)</li> </ul>
Initial Cleaning Level	Particle of 0.01 $\mu$ m or more is one or less/100slpm
Inner Face Processing	Electrochemical polishing (Rmax 0.5 $\mu$ m or less)
Max. Operating Temperature	350°C
Joint	VCR®, Swagelok®, PT, Rc, and others

## Dimensions

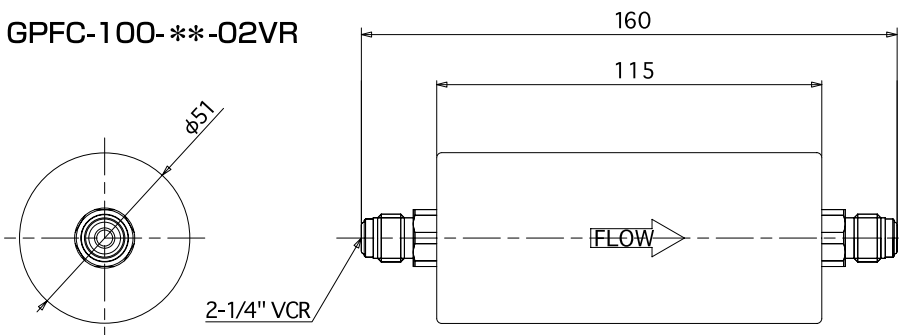
Model	A(mm)	B(mm)	C(mm)
GPFC-100-**-02VR	160	115	$\phi$ 51
GPFC-200-**-04VR	224	178	$\phi$ 51
GPFC-500-**-04RC	350	282	$\phi$ 100
GPFC-500-**-04VR	345	282	$\phi$ 100



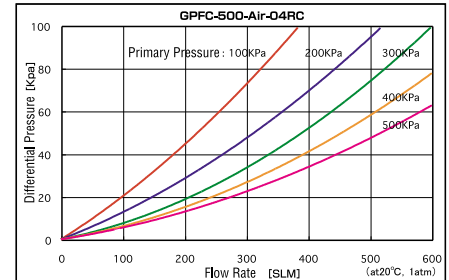
Gas Purifier

## Dimensional Outline Drawings

GPFC-100-\*\*-02VR



## Flow Rate Characteristics



## Guaranteed Refining Value

Specification	Gas to be Refined	Refined Impurity	Guaranteed Refining Value
Air, Inactive Gas	Air, He, Ar, Kr, Xe	Gaseous organic matter (hydrocarbon: C <sub>6</sub> or more)	99.9% or more
		Acid impurity (NO <sub>2</sub> , SO <sub>3</sub> , SO <sub>2</sub> , H <sub>2</sub> S, HF, HCL, HBr, NH <sub>3</sub> , etc.)	99.9% or more

## How to order

Recommended Flow Rate Type of Used Gas Bore Diameter Type of Joint  
**GPFC - 100 - Air - 02 VR**

100 : 100LPM  
 200 : 200LPM  
 500 : 500LPM

Air  
 Ar  
 He  
 .etc

02 : 1/4"  
 03 : 3/8"  
 04 : 1/2"

※For GPFC-100,  
 1/4" is only supported.

VR : VCR®  
 SW : Swagelok®  
 PT : PT Screw  
 Rc : Rc Screw

※Specification is subject to change without notice.