



# Guardian Spin Clean

## PRODUCT FEATURES / BENEFITS

- ◆ 316L Stainless Steel
- ◆ 1/4" and 1/2" Ports Available
- ◆ 1500 PSIG Maximum Pressure
- ◆ Integral Porting
- ◆ Protect Liquid and Vapor Analyzers From Small Particles
- ◆ Remove Iron Sulfide Particles
- ◆ Ideal for Control Sample Applications

The **Guardian Spin Clean (GSC)** is engineered around our proprietary Guardian Membrane Series platform, delivering a highly serviceable, field-friendly solution for particulate removal.

All connections are conveniently located on one side of the housing, eliminating the need to disconnect fittings during maintenance. The inlet port is angled to induce a **cyclonic spinning action**, which significantly reduces particulate loading on the filter element. This spinning motion is enhanced by a gently curved vertex edge in the chamber, increasing cyclone velocity and effectively directing heavier particles toward the **bypass drain**.

The **porous stainless steel disc** is housed in an encapsulated, removable plug for quick and clean replacement. This efficient design minimizes downtime and simplifies in-field servicing.

### Available Filtration Grades:

005, 1, 3, 10, 25, 50, and 100 micron



Stainless Steel Model	GSC205.31101.□	GSC205.32201.□	GSC205.32202.□
Inlet / Outlet (NPT)	1/4"	1/2"	1/2"
Sample Port (NPT)	1/4"	1/4"	1/2"
Maximum Pressure (psig)	1500	1500	1500
Internal Volume (Behind Membrane Chamber–Clean Side) (cc)	20	20	20
Weight of Housing (lbs)	7	7	7
Principle Dimensions: (inch)			
Center of Port to Back	0.50	0.63	0.63
Body Diameter	3.94	3.94	3.94
Body Depth (With Hex)	2.70 (3.00)	2.70 (3.00)	2.70 (3.00)
Space Required to Remove Cap	1.80	1.80	1.80
Maximum Temp. (400°F)	GVGSC205	GVGSC205	GVGSC205
Standard Viton O-Ring			
Stainless Steel Disc Included with Housing (1)(2)	FDGSC205-□	FDGSC205-□	FDGSC205-□
<b>Drawing</b> **For More Detail & Options**	<b><u><a href="#">GSC205.31101</a></u></b>	<b><u><a href="#">GSC205.32201</a></u></b>	<b><u><a href="#">GSC205.32202</a></u></b>

Notes: (1) Add Micron Rating Required, e.g. FDGSC205-01, FDGSC205-10, FDGSC205-25 and FDGSC205-50  
 (2) If ordering Micron Size 005, a minimum order is required.

## HOW TO ORDER A GUARDIAN SPIN CLEAN HOUSING

Base Part Number	Number of Ports	Inlet	Outlet	Optional Bypass	Sample	Micron Size
GSC205	3 = 3 Ports	0 = No	0 = No	0 = No	0 = No	005 = 0.5 Micron
	4 = 4 Ports	1 = 1/4"	1 = 1/4"	1 = 1/4"	1 = 1/4"	01 = 1 Micron
		2 = 1/2"	2 = 1/2"	2 = 1/2"	2 = 1/2"	03 = 3 Micron
						10 = 10 Micron
						25 = 25 Micron
						50 = 50 Micron
						100 = 100 Micron

**Example Part Number: (GSC205.31101.50)**

## GSC205 FLOW RATES <sup>(1)</sup>

	Inlet Flow (LPM) (Port 1)	Outlet Sample Flow (LPM) (Port 2)	Bypass Flow (LPM) (Port 3)	Filter Differential Pressure Across Ports 1 and 2 (PSID)
Empty Housing	3.78	1.89	1.89	0.22
	11.17	5.68	5.49	1.82
	18.56	9.46	9.10	4.32
3 Micron	3.84	1.89	1.95	0.27
	11.40	5.68	5.72	2.14
	18.97	9.46	9.51	5.60
50 Micron	3.86	1.89	1.97	0.26
	11.43	5.68	5.75	2.07
	19.04	9.46	9.58	5.40

Notes: (1) Higher microns result in a reduced pressure drop across the filter disc.