



Guardian Spin Clean

Features

- 316L Stainless Steel
- 1/4" and 1/2" Ports Available
- 1500 PSIG Maximum Pressure
- Integral Porting

Applications

- Protect Liquid and Vapor Analyzers From Small Particles
- Remove Iron Sulfide Particles
- Ideal for Control Sample Applications

The Guardian Spin Clean (GSC) is based upon our proprietary design of the Guardian Membrane Series. This user friendly design makes infield serviceability a snap.

Since all of the connections are on one side of the filter body, no fittings need to be undone to replace the stainless steel disc. The inlet port is angled to create a spinning action which helps extend the filter life between change outs. The vertex edge of the spinning chamber is slightly curved to increase the velocity of the cyclone action, thus sweeping the heavy particles out the bypass drain. The porous stainless steel disc is encapsulated in a removable plug making service even that much easier. Seven different grades of filtration are available: 005, 1, 3, 10, 25, 50, 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) Standard Viton O-Ring	GVGSC205	GVGSC205	GVGSC205
Stainless Steel Disc Included with Housing (1)(2)	FDGSC205-□	FDGSC205-□	FDGSC205-□
Drawing **For More Detail & Options**	<u>GSC205.31101</u>	<u>GSC205.32201</u>	<u>GSC205.32202</u>

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"	2 = 1/2"

Example Part Number: (GSC205.31101.50)

GSC205 FLOW RATES ⁽¹⁾

	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.

