

DEGASSING SPARGER WITH NITROGEN GENERATOR

Waters Equipment's Degassing Sparger with Nitrogen Generator provides continuous, highly efficient removal of interfering soluble gases such as CO₂ from a cation conductivity measurement without altering the sample temperature. There is no boiling of the sample, so no re-cooling or special sensors are required and there is no potential burn hazard to personnel.



**WATERS MODEL W7951-01 SPARGER WITH
MODEL W7950-10 NITROGEN GENERATOR**

The Sparger uses oil-free, dry plant instrument air to create high-purity nitrogen for the sparging process.

The Sparger and Nitrogen Generator can be sold separately, or integrated with a single or dual channel high purity conductivity analyzer of your choice. Multiple Spargers can be ganged together sharing one common Nitrogen Generator given sufficient air.

Performance:

Waters' Sparger has been independently tested and proven to outperform competitive methods such as reboilers and membrane systems. Its simplicity was cited as a major advantage over the other forms of degassing. Now with the introduction of the **Nitrogen Generator**, the Sparger can be operated 24/7 using common plant instrument air without sacrificing efficiency.

Specifications:

Dimensions:

Sparger: 44" H x 12" W x 6" D

Generator: 44" H x 12" W x 5" D

Weight: Sparger – 40 lbs; Generator – 30 lbs

Filters: 0.01 and 1.0 micron with replaceable elements

Resin Column:

Vented, 450cc capacity with auto shut-off quick disconnects, cation resin with color indicating dye

Flowmeters:

Sample: Glass / SS, 0-450ccm

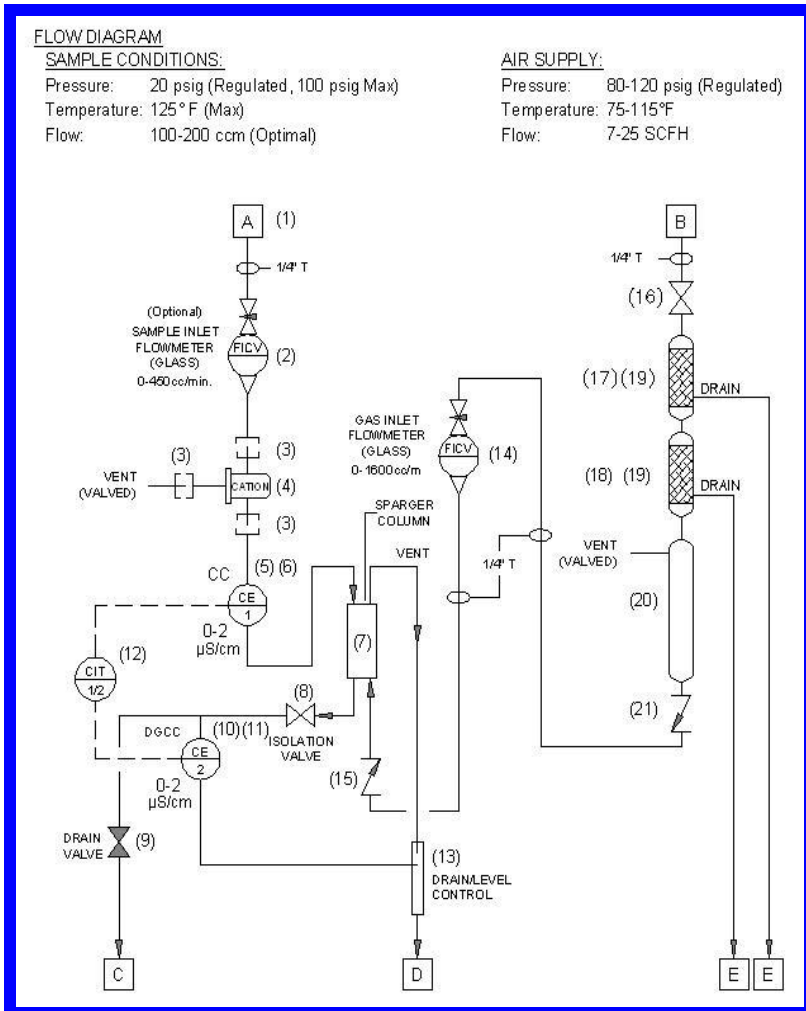
Gas: Glass / SS, 0-1600 ccm

Air Supply:

80-120 psig @ 75-115°F

(Oil free, dry, instrument grade)

FLOW DIAGRAM FOR SPARGER WITH NITROGEN GENERATOR AND DUAL CHANNEL CONDUCTIVITY ANALYZER



COMPONENTS:

1. Mounting Plate
2. Sample Flowmeter
3. Auto Shut-Off Quick Disconnects
4. Vented Refillable Resin Column
- 5/6. CC Sensor/ Cell Holder
7. Sparging Column
8. Sparging Column Isolation Valve
9. Sparger Drain Valve
- 10/11. Degas CC Sensor / Cell Holder
12. Dual Channel Conductivity Analyzer
13. Leveling Column
14. Nitrogen Flowmeter
15. Check Valve
16. Instrument Air Inlet Isolation Valve
17. Coalescing Filter Element 1.0 micron
18. Coalescing Filter Element 0.01 micron
19. Filter Housing
20. Nitrogen Separator
21. Check Valve

CONNECTIONS:

A – B – C: 1/4" Tube Compression D – E: 1/4" Hose Barb

SOLD BY:

