

SMA ATRIUM EASY GRIP

Features and Benefits

- Easily connected to SMA Viable Monitoring Equipment
- Constructed of 316L stainless steel
- Can be completely sterilized by steam, heat, or ethylene oxide (ETO)
- Used with standard media plates (90 or 100 mm) with 18, 25, or 32 mL fill levels
- Available with 1/4 or 1/2 inch sieve diameters
- Require a vacuum source to operate
- Operate at an air flow of 1 CFM (28.3 LPM)
- Compact size allows the SMA Atriums to be located near critical filling processes where space is limited
- Non-turbulent design causes no disruption in unidirectional air flow, which allows placement in the most critical areas (e.g. RABS)
- Concave, easy to grip design

SMA Atriums[®] are stainless steel collection devices that connect to the SMA OneTouch[®] Integrated Command System (ICS), SMA[®] Digital Display Control Center (DDC), or SMA MicroPortable[®] Air Sampler. When partnered with one of these viable monitoring instruments the SMA Atriums direct air from the environment to impact onto a media plate. The media plate is then evaluated to determine the amount of viable contamination in the environment.

SMA Atriums are the preferred test method of pharmaceutical, biotechnology, semiconductor, and electronics organizations around the world for determining the level of viable contamination in their facilities.

SMA Atriums are available in many different configurations, including a wall mountable configuration with a specifically designed bracket and Atrium base. The SMA Atrium Easy Grip top has a concave edge designed to make the Atrium easy to handle.

*Proven Solutions for Viable
Air Monitoring*

Selecting an SMA Atrium

It is critical to determine the desired sample time and plate exposure period. Extended periods of active sampling can cause desiccation and dehydration of the media plate, resulting in poor or no growth of microorganisms that may have been present in the air sample. The SMA Atrium allows for continuous, active sampling for up to 3 hours (or more), depending on the media plate fill level and the SMA Atrium sieve diameter.

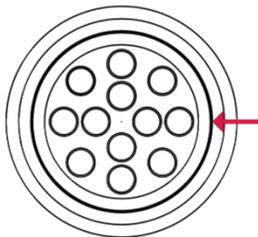
SMA Atrium Sieve Diameter

Sieve diameter is the size of the holes in the top of the Atrium. The sieve diameter affects the velocity of the air flow into the media plate. VAI offers SMA Atriaums with 1/4 and 1/2 inch sieve diameters. The smaller, 1/4 inch, sieve diameter increases the speed at which the media plate desiccates. The larger, 1/2 inch, sieve diameter allows for a longer sampling period. Use the following table to determine the correct SMA Atrium for your facility.

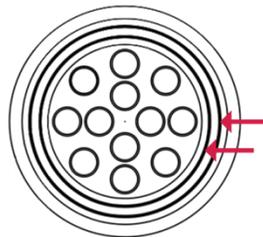
Exposure Time *	Plate Fill Level	Sieve Diameter	Air Flow	Complete Assembly
50 minutes	18 mL	1/2 inch	1 CFM	SMA-EG-18-1/2
90 minutes	25 mL	1/2 inch	1 CFM	SMA-EG-25-1/2
180 minutes	32 mL	1/2 inch	1 CFM	SMA-EG-32-1/2
50 minutes	18 mL	1/4 inch	1 CFM	SMA-EG-18-1/4
90 minutes	25 mL	1/4 inch	1 CFM	SMA-EG-25-1/4
120 minutes	32 mL	1/4 inch	1 CFM	SMA-EG-32-1/4

* Exposure time is based on VAI's internal validation studies (available upon request) as well as customer based validation efforts.

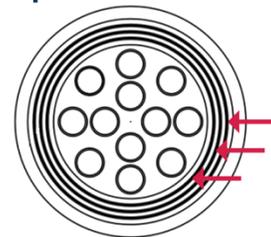
**Identification Grooves
Underneath the SMA Atrium Top**



**Single
SMA-18**



**Double
SMA-25**



**Triple
SMA-32**

Complete Assemblies

316L Stainless Steel

1/2"



1/4"



D50



Part Number	Description
SMA-EG-18-1/2	1/2" diameter sieves, use with 18 mL filled media plates
SMA-EG-25-1/2	1/2" diameter sieves, use with 25 mL filled media plates
SMA-EG-32-1/2	1/2" diameter sieves, use with 32 mL filled media plates
SMA-EG-18-1/4	1/4" diameter sieves, use with 18 mL filled media plates
SMA-EG-25-1/4	1/4" diameter sieves, use with 25 mL filled media plates
SMA-EG-32-1/4	1/4" diameter sieves, use with 32 mL filled media plates
SMA-EG-25-D50	0.4 mm diameter sieves, use with 25 mL filled media plates

All assemblies come with the specified **Easy Grip** top, standard base, orifice, and lid.

Accessories

316L Stainless Steel

Base



Orifice



Lid



Part Number	Description
SMA-316-ORIFICE-STD	Replacement vacuum tubing attachment non-limiting fitting for SMA-316-BOTTOM, SMA-316-BOTTOM-BO, and SMA-316-BOTTOM-WATR. Use with 1/4" ID flexible tubing. 1/pk
SMA-LID-EG	Aseptic Atrium cover, not compatible with Remote Atriums, 4 1/2" diameter, 1/8" edge.

For Wall Atrium Assemblies and Accessories, see page 5.

Top Only **316L Stainless Steel**



Part Number	Description
SMA-316-T-25-1/2H150	1/2" diameter sieves, use with 25 mL filled media plates, includes an integrated 1 1/2" handle

To order a top only, add a "T" to the part number listed under Assemblies on page 3. For example; SMA-EG-T-18-1/2 for a 1/2" diameter sieve head, for use with 18 mL filled media plates.

Base Only **316L Stainless Steel**



Part Number	Description
SMA-316-BOTTOM	Vacuum connection located on the side of the base
SMA-316-BOTTOM-BO	Vacuum connection centrally located on the bottom of the base
SMA-316-B-SNTRY75	Vacuum connection centrally located on the bottom of the base, includes an integrated 3/4" sanitary flange fitting
SMA-316-B-SNTRY150	Vacuum connection centrally located on the bottom of the base, includes an integrated 1 1/2" sanitary flange fitting
SMA-316-B-SNTRY-D15	Vacuum connection centrally located on the bottom of the base, includes an integrated metric (DIN15) sanitary flange fitting.

Wall Atrium Assemblies **316L Stainless Steel**

Wall Assembly



Top, wall base, orifice, and lid

Wall Base



Drilled to attach to bracket

Wall Bracket



Sold separately

Part Number	Description
SMA-EG-18-1/2-WATR	1/2" diameter sieves, use with 18 mL filled media plates
SMA-EG-25-1/2-WATR	1/2" diameter sieves, use with 25 mL filled media plates
SMA-EG-32-1/2-WATR	1/2" diameter sieves, use with 32 mL filled media plates

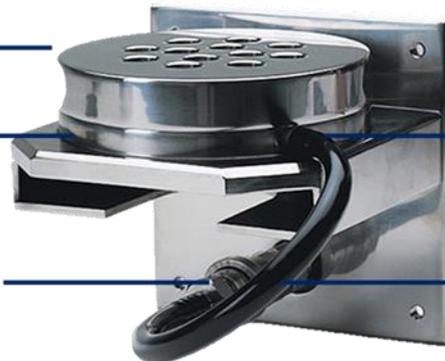
All wall assemblies come with the specified **Easy Grip** top, wall base, orifice, and lid. The wall bracket is sold separately.

Wall Atrium Accessories **316L Stainless Steel**

Top

Wall Base

Quick disconnect fitting and mate



Wall Bracket

Vacuum Connection

Tubing

Part Number	Description
SMA-WALLATR	Wall bracket for use with SMA Wall Atriums. Wall mountable, removable, includes quick disconnect fitting and mate which transitions to a 1/4" hose barb, valve seals automatically when disconnected.
SMA-316-BOTTOM-WATR	SMA Atrium base threaded for use with wall mount bracket SMA-WALLATR. Vacuum connection located on the side of the base.

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