

# Remote ActiveCount

## VIABLE IMPACTOR SYSTEM



The Lighthouse Remote ActiveCount Microbiological Air Sampler is a remote controlled active air sampling system for monitoring the microbiological quality of air. With several optional sample flow rates (4-10-28.3-50-100 LPM ) the Remote ActiveCount utilizes an external vacuum source assuring the airflow is not disturbed by the sampling process. The design of the Remote ActiveCount impaction system ensures high physical and biological collection efficiency in accordance with ISO 14698-1 in areas with low levels of biocontamination. Designed for sterilization and high efficiency sampling the Remote ActiveCount avoids false positives.

The Remote ActiveCount can be integrated into facility monitoring systems. The optional start/stop sample and led indicators can either be built into the base unit or can be controlled from any location in the monitoring system using touchscreens or by the external remote switch and RAC controller.

The impactor head can easily be removed for sterilization. It can also be mounted on a tri-clamp connection for easy placement in filling lines or isolators.

The design of the product ensures the correct impact velocity for particles down to approximately 1.0µm, while ensuring viability by avoiding mechanical damage.

The small footprint of the Remote ActiveCount allows placement next to critical operations. With optional configuration to allow for wall, equipment, isolator or filling line configurations the Remote ActiveCount is suitable for active air monitoring in regulated environments.

### Technical specifications:

Material	Stainless Steel 316L
Capture principal	Impact Sampler
Media	90mm
Sampling	Via external vacuum source

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RAC in filling line



Start RAC in LMS software

## Available models and flow rates:

Model	Article number	Flow rate	Impactor
<b>With integrated start/stop sampling:</b>			
	RAC-1-4LPM	4 liter/min	113 holes (Ø 0,3 mm)
	RAC-1-10LPM	10 liter/min	113 holes (Ø 0,45 mm)
	RAC-1-28LPM	28,3 liter/min (1.0 cfm)	113 holes (Ø 0,7 mm)
	RAC-1-50LPM	50 liter/min	200 holes (Ø 0,7 mm)
	RAC-1-100LPM	100 liter/min	400 holes (Ø 0,7 mm)
<b>For use with external/start stop:</b>			
	RAC-2-4LPM	4 liter/min	113 holes (Ø 0,3 mm)
	RAC-2-10LPM	10 liter/min	113 holes (Ø 0,45 mm)
	RAC-2-28LPM	28,3 liter/min (1.0 cfm)	113 holes (Ø 0,7 mm)
	RAC-2-50LPM	50 liter/min	200 holes (Ø 0,7 mm)
	RAC-2-100LPM	100 liter/min	400 holes (Ø 0,7 mm)
<b>Mounted on tri-clamp:</b>			
	RAC-3-4LPM	4 liter/min	113 holes (Ø 0,3 mm)
	RAC-3-10LPM	10 liter/min	113 holes (Ø 0,45 mm)
	RAC-3-28LPM	28,3 liter/min (1.0 cfm)	113 holes (Ø 0,7 mm)
	RAC-3-50LPM	50 liter/min	200 holes (Ø 0,7 mm)
	RAC-3-100LPM	100 liter/min	400 holes (Ø 0,7 mm)
Triclamp size: DN25/ DN50 or custom sizes			
<b>Options:</b>			
RAC Switch remote on/off		RAC Controller for control of external vacuum and flow monitoring	

## Features

- Third party validated to ISO 14698-1 Cleanrooms and associated controlled environments
- Small footprint for easy placement in critical operations.
- Optional tri-clamp mounting for installation in isolators, filling lines, or machines.
- Available flowrates: 4 LPM, 10 LPM, 1.0 CFM/28.3 LPM, 50 LPM or 100 LPM
- Autoclave sterilization of impactor head
- 316L stainless steel sampling head
- Low maintenance
- Available with integrated start/stop sample button and led indicators for stand-by and sampling
- Available with remote start/stop sample button to be controlled from monitoring system
- Utilizes external vacuum
- Critical orifice or mass flow control
- Sample duration (depending on petri dish fill and type of flow model) up to 8 hours

## Applications

- Remote controlled cleanroom and controlled environment bio-contamination monitoring.
- Microbial monitoring in aseptic operations.
- Extended monitoring of viable & non-viable particle levels in one system.
- LAF cabinet monitoring.
- Isolator monitoring.
- Filling line monitoring.

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