

# GEA Auger and Vacuum Powder Samplers

GEA-PHSMV / GEA-PHSMA





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The GEA Auger and Vacuum powder samplers provide a reliable way to accurately take powder samples when designated by the easy to operate interface. Both Sampler models use extraction techniques that are safe and hygienic, ensuring powder isn't contaminated or damaged in the process.

The GEA Auger sampler uses technology that delivers the most accurately controlled powder sample. It is extremely easy to setup, configure and control. The Auger sampler is highly recommended for instances when the sampling point is near the sample destination.

The new GEA Vacuum sampler is best used when the sample point is not in the same location as the sample destination. With the capability of a Two-pot or Six-pot diverting head the sampler's latest design enhances the previous GEA model, to be compliant with the latest relevant global requirements.

## Benefits

- Ability to hygienically take powder samples from powder bins or hoppers
- Both Models provide improved sampling accuracy over a Scoop sampler
- Standalone fully integrated system
- Easy to operate, maintain and install
- Samples can be taken on a programmed schedule to meet business requirements
- Powder sample can be transported a short distance from the sampling location (Vacuum Sampler only)
- Easy to clean parts

# Technical Data Auger & Vacuum Powder Samplers

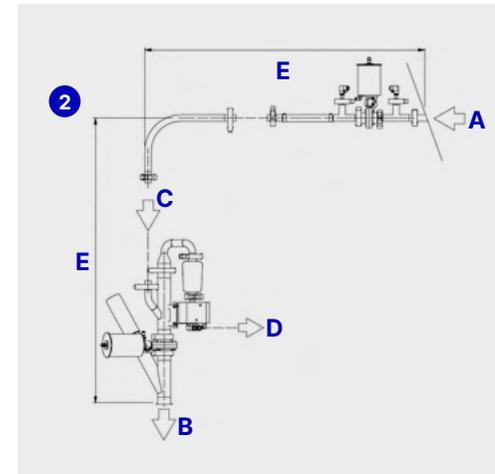
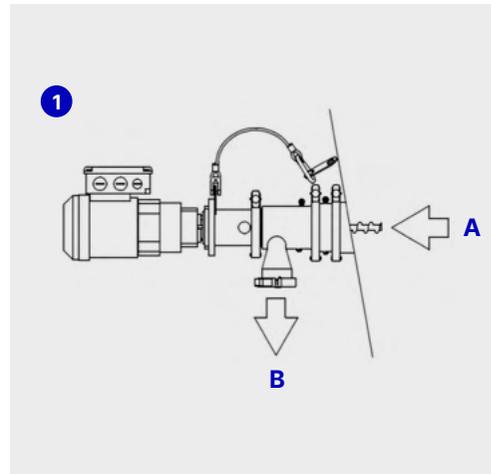
GEA-PHSMV / GEA-PHSMA

## Product Details / Performance Specs

	Frame A*	Frame B*
Diverting head options	1, 2 or 6 pot	1, 2 or 6 pot
Minimum time between samples	7 s	12 s
Sample size	0.009 L/ rev (4.5 g/rev @ 0.5 BD) Auger runtime dependant.	Nominal - 200 g (BD dependent)
Sample convey distance	n/a	10 m with max 2× 90° bends
Sample vessel	1 L polyethylene bag, max 150 mm width, Or Screw cap bottle	1 L polyethylene bag, max 150 mm width, Or Screw cap bottle
Architecture	Allen Bradley / Siemens	Allen Bradley / Siemens
Human Interface	6" Colour touch screen	6" Colour touch screen
Pneumatics used	Festo	Festo
Air requirement (Food grade)	7 bar recommended (6 bar min)	7 bar recommended (6 bar min)
Air usage per cycle (average)	1.4 L	50 L
Air usage (peak)	45 L/min	550 L/min
Air connection requirement	3/8" BSP (ø12mm pneumatic line min.)	3/8" BSP (ø12mm pneumatic line min.)
Power requirement	400 V 50/60 Hz + earth, 10 A	400 V 50/60 Hz + earth, 10 A
Electrical Cabinet		800 × 1000 × 300 mm Stainless Steel non HD Or 1200 × 800 × 300 mm Stainless Steel HD
Mechanical connection	4" sampler connection to product line	1" tri-clover connection to product line
Operating conditions	Relative humidity <50%	Ambient temperature 15-25 °C
Maintenance recommendation		
Designed to certifications		CE, IEC
Safety		ISO12100, ISO13849, EN62061 IEC62061
Hazardous areas		Zone 22 rated (Siemens HMI only)
Sanitary / Hygiene		EHEDG*, USDA
Warranty	2 Years	2 Years
Product contact surfaces	304L Stainless steel, <0.8 R <sub>a</sub> µm Plastics and seals certified to global standards	304L Stainless steel, <0.8 R <sub>a</sub> µm Plastics and seals certified to global standards
Dimensions (L x W x H) mm	770 × 570 × 570	820 × 650 × 650

\* We follow the EHEDG guidelines for design where practical and use EHEDG components where available and suitable

# GEA Powder Sampler Solutions



- 1 Auger Sampler
- 2 Vacuum Sampler

- A Product Sample Point
- B Product to Collection
- C Product
- D Evacuated Air
- E Site Determined



- 1 Auger sampler
- 2 Vacuum sampler
- 3 Two-pot sampling head
- 4 Six-pot sampling head
- 5 Hygienic design control cabinet  
is a L2 upgrade

## Upgrade Options

- Custom sampling regimes
- Combinations & configurations of multiple units -
- Dual sampling points for a Vacuum sampler
- One 2-pot Auger and one 6-pot Vacuum combined (as per image on front page).
- Surge protection and panel indication
- Hygienic Designed enclosure
- 10" or 12" Human interface
- Single phase supply operation
- Automated detection of sample container present
- Automated diverter position detection

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