



VEZIN SAMPLER

McLanahan Vezin Samplers are cost effective, highly accurate and reliable samplers that can be easily installed in an operation. They are frequently used in primary, secondary, tertiary and quaternary sampling stages. Vezin Samplers are implemented in a wide variety of applications, including mining, gold, base metals, mineral sands, iron, copper, aggregates and more.

Sampling Done Right: How It Works

Vezin Samplers are fully enclosed units that contain a rotating sample collection assembly. The sample collection assembly can include a single cutter or multiple cutters depending on your application. Sample cutters pass at a consistent, uniform speed through the falling bulk material or slurry stream to collect samples from material entering the feed inlet at the top of the machine. Reject material passes directly through the machine, while sample material is directed through a fixed sample chute. The cutter design incorporates a radial (wedge shaped) cutter opening cross section to assure a full, accurate increment of any given portion of the material stream. Each Vezin Sampler also includes a proximity sensor for rotation monitoring purposes.

Samplers Built To Last

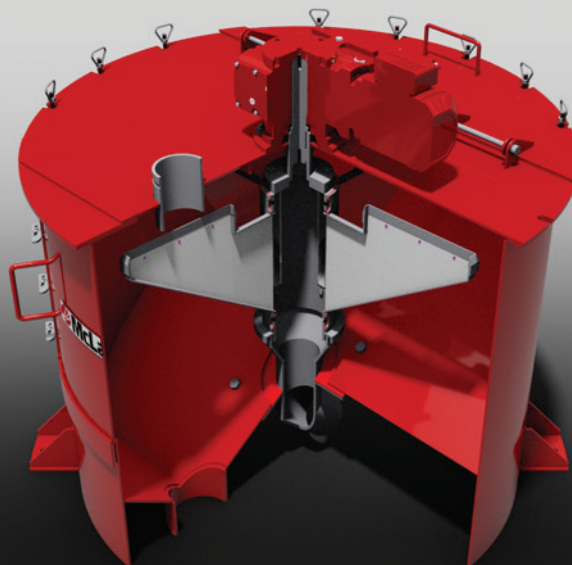
These samplers are constructed from mild or stainless steel and can incorporate various liner materials or spray cleaning devices based upon application requirements or customer request. Optional enclosure liners for enhanced wear resistance are available if requested. Appropriately sized inspection/maintenance hatches located on the top and sides of the Vezin Sampler allow for easy viewing of internal components or periodic cleaning. Customers can also add automatic internal wash components for the cutters in applications where buildup is a concern.

Sampling Solutions For Your Application Needs

McLanahan understands that every application is different, that is why we offer a wide variety of sizes and cutter combinations. We provide an array of options to ensure it meets your application needs. Each Vezin Sampler is backed by localized engineering, service and support for which McLanahan is known.

WHY CHOOSE A MCLANAHAN VEZIN SAMPLER?

- Reliable, accurate, and precise sample collection and division
- Complies with international sampling standards
- Radial (wedge-shaped) cutter opening cross section as is required for rotary style samplers
- Easily replaceable cutter lip assemblies
- Convenient access/ inspection panels
- Optional internal liners
- Optional automatic internal wash components

Single Vezin Samplers (SVS)

Model Numbers

Sampler Diameter	Type	Number Cutters	Cutter Sector [deg] ¹	-	Cutter Slope [deg] ²
450	SVS	1, 2, 3, 4	2, 5, 7, 10, 15, 20	-	35, 60
600	SVS	1, 2, 3, 4	2, 5, 7, 10, 15, 20		35, 60
700	SVS	1, 2, 3, 4	7, 10, 15, 20, 25, 30		35, 60
1000	SVS	1, 2, 3, 4	7, 10, 15, 20, 25, 30		35, 60

1. Standard cutters shown; other options available as required. 2. Cutters with a 60 deg slope surface are for dry materials or slurries with higher solids content.

Model Number Examples

450SVS407-35	Example 1
	450mm diameter Single Vezin Sampler incorporating four sample cutters, each having a sector angle of 7 degrees and a sloped material flow surface of 35 degrees would be given 450SVS407-35 as a model number.
1000SVS430-60	Example 2
	1000mm diameter Single Vezin Sampler incorporating two sample cutters, each having a sector angle of 30 degrees and a sloped material flow surface of 60 degrees would be given 1000SVS430-60 as a model number.

Sizing & Specifications

Sampler Diameter	Inlet Pipe Diameter [mm]	Outlet Pipe Diameter ³ [mm]	Max. Flow Rate ⁴ [m ³ /hr]
450	25	60	3.6
600	50	75	12.5
700	100	150	54.5
1000	200	250	215

3. Outlet Pipe Diameter is for both the process flow and sample discharge pipes. 4. Flow rates may vary by application