



# **ISOLOK<sup>®</sup> SERIES SAG Automatic Sampler**

***Automatic Extra-Large Capacity  
Samplers for Liquids and Slurries***



**ISOLOK<sup>®</sup> SERIES SAG SAMPLER**

## ***Features***

- Fixed-volume samplers available in three sizes: 50 cc, 120 cc, or 200 cc per sample cycle
- Can handle line pressures from vacuum up to 300 psi (21 bar) in most applications
- Rugged stainless steel construction
- Batch or composite sampling

## ***Options***

- Port closures
- Line adapters
- Several types of containers
- Sampler enclosures (with or without heater)
- Sample heating or refrigeration
- Optional materials of construction and seal choices

## ***Description***

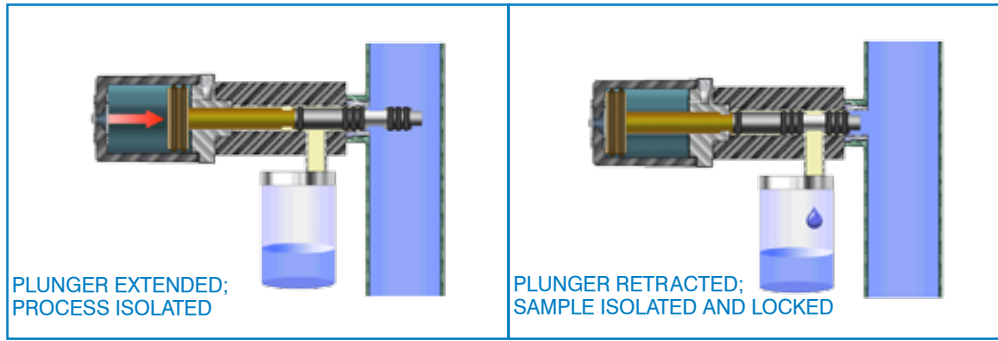
The *ISOLOK<sup>®</sup> SAG* has the capacity to collect large quantity samples with just a few cycles over a short time period. It provides accurate samples of liquids and slurries such as radioactive waste, waste acid, resin bead slurry, bauxite mud and raw municipal sludge.

The *ISOLOK<sup>®</sup> SAG* operates when compressed air forces the plunger into the process line to capture a fixed volume of material. Compressed air then acts on the opposite side of the piston to retract the plunger to a position which allows the sample to drop into a container.

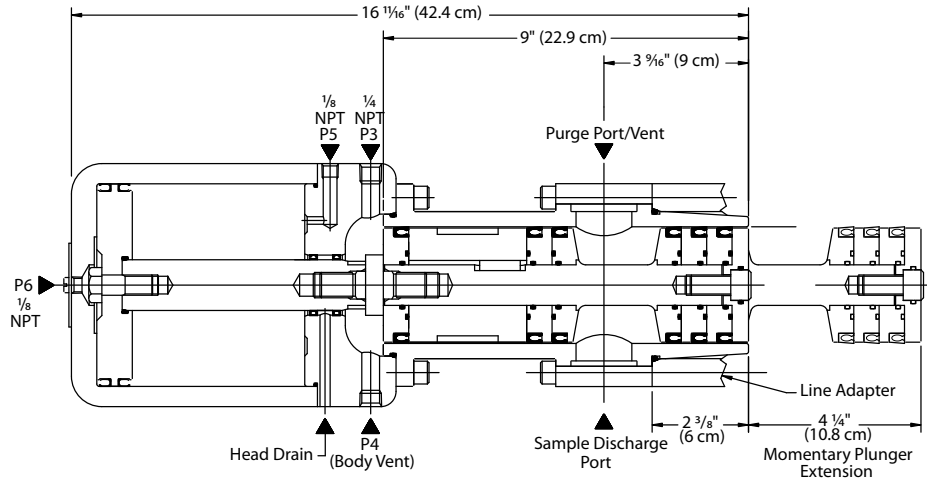
The operator is isolated from the process at all times by the sampler's seal design, and the sample captured in the container is "locked out" from external influences.

Metal parts are made of 316 stainless steel; other alloys are available. Process contact seals are filled-Teflon<sup>®</sup> for chemical applications or wear-resistant elastomers for abrasive slurries. Modular components allow selection of various bodies and plungers to meet the process application.

## SAMPLING PROCESS



## ISOLOK® SAG TECHNICAL DATA



## SPECIFICATIONS

Sample Volume / Cycle	50 cc	120 cc	200 cc
Maximum Particle Size	1/4" (6.3 mm)	5/8" (15.9 mm)	7/8" (22.2 mm)
Line Mounting Options	MNPS thread, tri-clamp, instrument hub, ANSI flange		
Compressed Air Requirements	2 SCFM @ 90 psi (.05 m³/min @ 6.2 bar)		
Materials of Construction	316 stainless steel; other materials available		
Plunger Seals	TFE, polyurethane, EPDM, Kalrez® or custom		
Cylinder Seals	Halar®, TFE, or custom		
Net Weight, not including controller or accessories	35 – 39 lb (15.8 – 17.7 kg)		

Kalrez and Teflon are registered trademarks of E. I. Du Pont de Nemours and Company.  
Halar is a registered trademark of Ausimont, U.S.A. Inc.

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### ⚠ WARNING

It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.



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