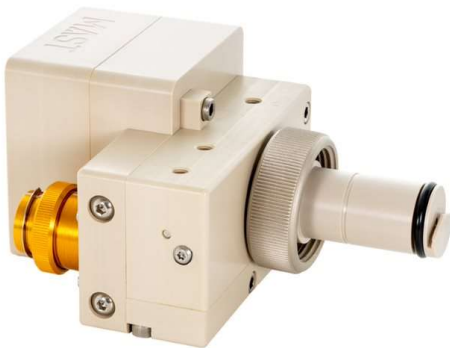


Sample Pilot SP100

The Sample Pilot is the heart of the MAST system. Overcoming issues seen with other autosampling systems, the Sample Pilot is specifically designed to secure the sterility of the sample source while reliably delivering samples to extended destinations. The Sample Pilot SP100 is designed to be used with stainless steel bioreactors, which are sterilized in place. It connects to the reactor using the common 25 mm Ingold port. The SP100 has two models, one with a 10 mL draw and the other with a 55 mL draw. The SP100 draws the sample into an aseptic chamber, and a diaphragm pump pushes the sample out to its destination at up to 70 psi. This cycle can be repeated as necessary to deliver the volume of sample required. After each sample, the SP100 is fully sanitized and dried creating an aseptic zone for drawing in the next sample. The patented valving system inside the Sample Pilot is interlocked to prevent even the smallest amount of backflow further improving the sterility assurance profile.



FEATURES

- **Two modules to chose from drawing in either 10 mL or 55 mL increments**
- **Connects to a standard 25 mm Ingold port**
- **Proven track record in maintaining bioreactor integrity**
- **Durable and rebuildable**
- **User friendly**
- **Can push sample at up to 70 psi towards the destination**
- **Biovalve interlocks ensure that the bioreactor cannot be contaminated**

SPECIFICATIONS

Product Characterization	Specification
Width	4.25 in (10.8 cm)
Height	3.0 in (7.6 cm)
Depth	3.5 in (8.9 cm)
Weight	1.90 lbs (0.86 kg)
Required Components	Connection fo MAST System
	Sample Pilot Sanitant Filter Assembly
	Sample Pilot Purge Gas Filter Assembly