

Single-Use, Gas Well, Extended Length, for BPC with 1-inch Hose Barb Port

Description

The SU110-16 is a gamma sterilizable, single-use gas well designed for pre-installation into a bioprocess container (BPC) with a 1-inch hose barb port. The gas well has a silicone rubber membrane that is steel mesh reinforced and gas permeable to O₂ and CO₂.

The SU110-16 gas well extends further into the BPC to ensure the sensor's RTD is completely in the BPC media and at media temperature.

The rugged, reinforced membrane is rated to 30 psig. The membrane provides a sterile barrier that negates the need to sterilize the DO or CO₂ sensor by autoclave. Avoiding steam sterilization of the sensor greatly lessens the risk of sensor damage.

Model	SU100 Series
Part Number	SU110-16

Sensor Specifications

Measurement Range	Not applicable
Operational Temp. Range	15°–50° C [59°–122° F]
Storage Temperature	5°–35° C [41°–95° F]
Shelf Life	36 months Post Gamma: 30 months
Gamma Tolerance Level	50 kGy
Sensor/Tubing Interface	1-inch Hose Barb
Sensor Connector Cable	8-pin Variopin

Wetted Materials

Main Gas Well Body	PEEK, USP Class VI, ADI Free
Port Gasket	Dimethyl Silicone Rubber Pt Cure, USP Class VI, ADI Free
Membrane	Dimethyl Silicone Rubber Pt Cure, USP Class VI, ADI Free
Membrane Retainer	PPSU, UPS Class VI, ADI Free

Features

- Steel-mesh reinforced gas well membrane provides a near blow-out proof, sterile gas-permeable barrier
- Gas well eliminates need for sensors to be autoclaved

Benefits

- Gas well allows sensors to be switched while BPC is full
- Membrane is rated for two times the hydrostatic pressure anticipated in the largest BPCs
- Protects sensors from exposure to pressurized steam, reducing risk of damage to sensor



SU110-16 Extended Length
Single-Use Gas Well

Dimensional Drawings of SU110-16

