

## Description

The SU100-16 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 O<sub>2</sub> and CO<sub>2</sub>.

The rugged, reinforced membrane is rated to 30 psig. The membrane provides a sterile barrier, eliminating the need to sterilize the DO or CO<sub>2</sub> sensor by autoclave. Avoiding steam sterilization of the sensor greatly lessens the risk of sensor damage.

Model	SU100 Series
Part Number	SU100-16

## 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



SU100-16 Single-Use Gas Well

## Dimensional Drawings of SU100-16

