Parker Product Datasheet

Available in five sizes, SciPres™ scalable pressure sensors are designed for incorporation into single-use purification platforms. Pre-calibrated and gamma stable, calibration and identity information is stored on the sensor's chip.

PART NUMBER: 080-699PSX-5
CONNECTION TYPE: Luer
MAXIMUM FLOW RATE: 1 LPM
OPTIONS: Non-Gamma
CALIBRATION TYPE: 2-pt (0-30psi)
TUBE SIZE RANGE: ID 0.03' to 0.31'

PRODUCT OVERVIEW

The SciPres™ combines pressure sensing capabilities and the convenience of disposability with easy set up. Each sensor is pre-programmed with a unique ID for easy traceability and data documentation when combined with the SciLog® SciDoc software. Factory calibration data is also stored on each sensor’s chip for out-of-box plug and play use.

Features & Benefits

• Each sensor is pre-calibrated and has a unique sensor ID making it NIST traceable and suitable for single-use GMP applications

• Validated for exposure to gamma irradiation, autoclave and sodium hydroxide sterilization

• Available in 5 different sizes for full scaleability throughout process development

Careful monitoring and control of pressure is essential for the efficiency and safety of several units of operation within a biopharmaceutical manufacturing process. SciPres pressure sensors can measure and document pressure in a range of filtration, separation and purification applications, for example:

• Trans-membrane pressure (TMP) control in tangential flow/cross flow filtration operations is crucial in optimizing product yields.

• Critical normal flow filtrations such as virus filtration, final sterilizing filtration or mycoplasma removal from cell culture media are validated in the process to remove micro-organisms at a given differential pressure (dP) which must be maintained.

• Cross-column pressure measurement in chromatography operations monitors blockage preventing column or resin damage.

• The pressure across a centrifuge can be used as an indication of unit throughput.

• Monitoring pressure can also prevent a system integrity breach protecting operators from potential exposure to potent molecules or acids and bases.

TECH SPECIFICATIONS

DIVISION	Bioscience and Water Filtration Division
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INDUSTRY	Pharmaceuticals
SPECIFICATIONS MET	FDA 21 CFR 177.1520
SPECIFICATIONS MET	USP Class VI
APPLICATION	Pressure Sensing
BRAND	Parker
PRODUCT SERIES	SciPres Pressure Sensors
PRODUCT TYPE	Single-Use Sensors and Monitors
MATERIALS OF CONSTRUCTION	Medical Grade Polysulfone
OPERATING PRESSURE	-5 to 60 psi

WETTED MATERIAL	Animal-Free Compounds
ACCURACY	3-pt. calibration: ± 0.3 psi, 0 to 60 range
ACCURACY	2-pt. calibration: ± 0.3 psi, 0 to 30 range (accuracy values define the maximum expected)