

BioHub® Integrated Diaphragm Gauge Tee

BioHub® Integrated Diaphragm Gauge Tee serves as a mounting platform for reusable readout pressure gauges or digital recording pressure instruments, achieving high-precision pressure monitoring in single-use systems. This mounting platform also acts as a sterile boundary between the fluid path and the measurement device, using a TC50 diaphragm gasket secured with bioglue to ensure the sterility of the single-use system and eliminate the risk of cross-contamination. When there is no pressure in the system, the pressure gauge or pressure instrument can be removed for offline calibration without compromising system integrity.

BioHub® Integrated Diaphragm Gauge Tee offers various connection options to accommodate different flow path diameters. Hose barb connections support hoses with I.D. of 3/8", 1/2", and 1". The product enables a 1½" clamp connection for installing sanitary pressure gauges or sensors.

Applications:

Primarily used for pressure monitoring in biopharmaceutical manufacturing processes.

Product Features:

Sterile pressure detection method, with pre-fixed diaphragm gaskets and tee valves irradiated for sterilization, improving upon traditional customer-assembled models and reducing the risk of microbial contamination. Suitable for use in process stages with higher sterility requirements.

Advantages:

- Multiple sizes available
- Sterile operation, easy to use
- Integrated design with no dead ends

Validation:

USP<661> Physicochemical Tests

USP<85> Bacterial Endotoxins

USP<788> Particulate Matter in Injections

USP<87> Biological Reactivity Tests, In Vitro

USP<88> Biological Reactivity Tests, In Vivo

ISO 10993-4 Hemolysis Test



Ordering Information:

Cat. No.	Product Name	Description
FPGTKKDSGX	TC50-3/8"HB Integrated Diaphragm Gauge Tee	Both ends barbed 3/8"HB, TC50 pressure sensor interface
FPGTSSDSGX	TC50-1/2"HB Integrated Diaphragm Gauge Tee	Both ends barbed 1/2"HB, TC50 pressure sensor interface
FPGTYDYSGX	TC50-1"HB Integrated Diaphragm Gauge Tee	Both ends barbed 1"HB, TC50 pressure sensor interface
SGTH-001S	TC50-3/8"HB Gauge Tee Base	Compatible with TC50-3/8"HB integrated diaphragm gauge tee
SGTH-002S	TC50-1/2"HB Gauge Tee Base	Compatible with TC50-1/2"HB integrated diaphragm gauge tee
SGTH-003S	TC50-1"HB Gauge Tee Base	Compatible with TC50-1"HB integrated diaphragm gauge tee

About BioLink

BioLink is a group of technology-driven businesses that provide process solutions in the life sciences industry. The company focuses on the development and production of the key processing equipment and consumables used in the manufacturing process of recombinant protein drugs, vaccines, antibodies, cell therapies, gene therapies, and other biological products. BioLink's portfolio of offerings covers the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography, filtration (ultrafiltration/diafiltration, clarification, and virus removal), and hydration products, as well as process development services. BioLink is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

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