

T-FIT[®] Insulation Boxes

A comprehensive range of fabricated insulation boxes to fit frequently used valves and flanges

- Produced from Zotek F42HTLS, T-FIT Insulation boxes offer all the product performance advantages of T-FIT Clean
- Totally compatible with T-FIT Clean and T-FIT Hygiene
- Already fabricated - easy and quick to install and re-install following maintenance
- Comprehensive range for frequently used valves and flanges are readily available
- Easy to remove and re-install minimising downtime for repairs and maintenance
- Produces no particulates during cutting, handling and installation
- Completely effective in controlling condensation and managing energy conservation, means long term peace of mind
- Also available upon request as bespoke items for T-FIT Hygiene and Process



T-FIT® Insulation Boxes

T-FIT®
INSULATION

Fit to perform. **Fit** to last

Supplied as a fabricated product T-FIT Insulation Boxes are part of T-FIT's high-quality, high-performance, long-lasting solutions for cleanrooms and aseptic areas. T-FIT Insulation boxes are available for all T-FIT product ranges and are available upon request.



Unmatched performance and minimal maintenance — year after year of a class-leading service life — make T-FIT® closed-cell insulation products the most cost-effective insulation solution for plant-wide fibre- and dust-free installation in demanding, highly-controlled production environments.

Safest: T-FIT® Clean is based on Zotefoams' unique ZOTEK® F42HTLS foam — the only foam compliant with the FM4910 Global Cleanroom Materials Protocol. With an ASTM E84 rating of 0/0 for surface burning of materials — independently tested by UL to their UL723 certification — T-FIT® Clean delivers the lowest flame, smoke and toxicity rating of any polymer/elastomer product.

Cleanest: Produced from a high-grade PVDF polymer, T-FIT® Clean features a fine, completely-closed cell structure that is particulate-, dust- and fibre- free emits almost zero VOCs. T-FIT® Clean is inherently hydrophobic and highly-resistant to bacteria and mould growth, and also meets and exceeds the industry-standard ASTM G21-96 of 28 days while offering absolute protection for HEPA filters and the plenum filtration system.

Simplest: With an operating range of -80°C to +160°C (effective up to 5 bar steam pressure), T-FIT® Clean is suitable for both chilled and hot processing applications. This single cleanroom friendly insulation material can be used throughout the installation. For fast, tool-free installation — plus a long maintenance-free service life — the robust range includes straight runs, elbows and T-sections with clamshell closures. An ultra-slim 6.35mm profile takes high-performance insulation into even the tightest spaces.

Most cost-effective: Reduced installation cost, smaller footprint, lower operating costs and a reduced risk of cross-contamination — add all these benefits together and you get the lowest Total Cost of Ownership of any high-performance cleanroom insulation system.

Customer Product Selection Guidance

Product Codes	Item Description	Suitable for the following range of valves/flanges	Standard
ZFMSVBC100X100	T-FIT Valve Box, 100mmx100mm	1/2" Valve 3/4" Valve	ASME BIO & ISO BOX ASME BIO & ISO BOX
ZFMSFBC100X100	T-FIT Flange Box, 100mmx100mm	1/2" Flange 3/4" Flange	ASME BIO & ISO Flanges in Cleanrooms ASME BIO & ISO Flanges in Cleanrooms
ZFMSVBC120X120	T-FIT Valve Box, 120mmx120mm	1" Valve 1/2" Valve 3/4" Valve	ASME BIO & ISO BOX SCHD BOX SCHD BOX
ZFMSFBC120X120	T-FIT Flange Box, 120mmx120mm	1/2" Flange 3/4" Flange	DIN / EU Flanges in Cleanrooms DIN / EU Flanges in Cleanrooms
ZFMSFBC120X140	T-FIT Flange Box, 120mmx140mm	1" Flange	ASME BIO & ISO Flanges in Cleanrooms
ZFMSVBC140X140	T-FIT Valve Box, 140mmx140mm	1.5" Valve 1" Valve	ASME BIO & ISO BOX SCHD BOX
ZFMSFBC140X140	T-FIT Flange Box, 140mmx140mm	1.5" Flange 1" Flange	ASME BIO & ISO Flanges in Cleanrooms DIN / EU Flanges in Cleanrooms
ZFMSVBC150X150	T-FIT Valve Box, 150mmx150mm	2" Valve 1.5" Valve	ASME BIO & ISO BOX SCHD BOX
ZFMSVBC160X160	T-FIT Valve Box, 160mmx160mm	2.5" Valve 2" Valve	ASME BIO & ISO BOX SCHD BOX
ZFMSFBC160X160	T-FIT Flange Box, 160mmx160mm	2" Flange 1.5" Flange	ASME BIO & ISO Flanges in Cleanrooms DIN / EU Flanges in Cleanrooms
ZFMSVBC180X180	T-FIT Valve Box, 180mmx180mm	2.5" Valve	ASME BIO & ISO BOX
ZFMSFBC180X180	T-FIT Flange Box, 180mmx180mm	2.5" Flange 2" Flange	ASME BIO & ISO Flanges in Cleanrooms DIN / EU Flanges in Cleanrooms
ZFMSVBC180X200	T-FIT Valve Box, 180mmx200mm	3" Valve	ASME BIO & ISO BOX
ZFMSVBC200X200	T-FIT Valve Box, 200mmx200mm	3" Valve	SCHD BOX
ZFMSFBC200X200	T-FIT Flange Box, 200mmx200mm	3" Flange 2.5" Flange	ASME BIO & ISO Flanges in Cleanrooms DIN / EU Flanges in Cleanrooms
ZFMSFBC220X220	T-FIT Flange Box, 220mmx220mm	3" Flange	DIN / EU Flanges in Cleanrooms
ZFMSVBC240X240	T-FIT Valve Box, 240mmx240mm	4" Valve	SCHD BOX
ZFMSFBC240X240	T-FIT Flange Box, 240mmx240mm	4" Flange 4" Flange	DIN / EU Flanges in Cleanrooms ASME BIO & ISO Flanges in Cleanrooms
ZFMSVBC240X250	T-FIT Valve Box, 240mmx250mm	4" Valve	ASME BIO & ISO BOX

For further information, product data sheets and installation videos visit www.t-fit.org

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