

CleanTech-Lite[®] Box

PVC Cladding made for Clean Environments

Flange & Valve Boxes for clean production areas

CleanTech-Lite Box has been developed as a result of our collaboration with leading pharma and food manufacturers regarding insulation cladding and needs in **GMP** regulated production areas.

CleanTech-Lite Box is manufactured according to the desired measurements / flange or valve size, and with the described or calculated insulation thickness.

A unique **Magnetic closure system** ensures a surface free of cleaning challenges, as well as quick and simple removal and re-installation.



YOUR benefits



|||| An easy-to-clean type of Box for all Flanges and Valves

This creates a glossy clean and uniform appearance in the process areas, now including also flange and valve items, that requires removeable insulation.

|||| No sharp/trunk lock nor cutting edges

The 500 μ / 700 μ thick PVC cladding is glued to the HT PIR foam. The unique Magnetic closure system, makes straps and trunk locks unnecessary. Therefore, no cleaning challenges or cutting metal edges, injuring operators and cleaning staff.

|||| Made in Europe

This means for you that all available technical and fire data are in accordance with EN standards. Environmentally friendly transported and short delivery time. Developed in collaboration with some of the leading Engineers within the Danish Pharma industry.

CleanTech-Lite[®] Box

PVC Cladding made for Clean Environments

Boxes for all of serviced equipment

CleanTech-Lite Box is a bespoke **system** for creating **cleanable and removeable** flange and valve insulation, where **GMP** regulation is required. Compared to conventional steel boxes and e-glass jackets, the **CleanTech-Lite Box** has many **improvements** to offer.

CleanTech-Lite boxes are removable boxes with **Magnetic closure**. No tools required to **remove and reassemble**, means fast and easy service of the system. **Minimizes** the need for foreign service **personnel**.

The boxes are covered with the same **easy-to-clean** foil, as the Cladding for the corresponding pipe systems. This makes CleanTech-Lite a **complete system** focused on the challenges that it is to **insulate** in **clean environments**.



Foil type:	Hard PVC hot-rolled and flame retardant
Foil thickness:	500μ (0,5mm) 700μ (0,7mm basis for fittings)
Foil Colour:	Glossy white, color code as RAL9010/9016
Foil Surface:	Dirt-resistant, hygienically smooth, washable and hard-wearing
Foil SBI Fire Class:	¹⁾ B _L -s2, d0 (DIN EN 13501-1:2019-05)
Foam Density:	40 kg/m ³
Wall Thickness Tolerances:	+/- 5mm
Thermal Conductivity +10°C :	Initial 0,023 W/m K - Aged (25 weeks @ 70°C) 0,030
Application temperature:	-180°C to +200°C HT PIR foam
Water Absorption:	≤ 5 Vol. %

¹⁾ DBI assessment shows that with only approx. 1% of the insulation solution's volume (e.g. 50mm) will not significantly influence the solution's total fire load.