



The Pensteel Range of Composite IBCs

The Schütz Ecobulk SX-Ex Container



Pensteel Limited

SX-Ex

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The Schütz Ecobulk SX-Ex Container

The ECOBULK SX-Ex is designed to meet the requirements of special applications:

- * Electro conductivity
- * UV sensitive filling products

These features include an electrical conductive steel jacket which completely surrounds the HDPE inner receptacle. The result is a surface resistance of $<10^9$ Ohm, i.e. no electrical charge on the outer case occurs. The static build up on the outer side of the inner bottle is dissipated and earthed via the steel jacket case.

Therefore the ECOBULK SX-Ex can be used in explosion endangered operational premises classified in Zone 1 and Zone 2.

Full description:

Inner container:

~ High molecular weight, high density polyethylene, extrusion blow moulded, especially formed to ensure complete discharge of contents.

Outer container:

~ Rigid, welded galvanised tubular steel grid with additional galvanized sheet steel jacket to protect the PE-inner container.

Pallet:

~ Steel pallet, 4 way entry.

Filling opening:

~ DN 150 with screw cap and 'o'-ring seal plus 2" BSP threaded ventilation plug

Discharge valve:

~ Protectively placed integral butterfly valve DN 50 with blue handle. Outlet sealed by aluminium-lined PE-foil, closed by 'o'-ring, PE-disk and screw cap.

On request butterfly valves DN 80/150



Delivered with UN certification

Technical Data		
Nominal capacity	l	1000
Overflow capacity	l	1050
Length	mm	1200
Width	mm	1000
Height inc. pallet	mm	1160
Weight with steel pallet approx.	kg	75.0

Permeation protection:

~ On request the inner PE-container can be treated with a double SMP fluorination barrier which reduces the permeation of most non-polar organic solvents.

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“ The SCHUTZ ECOBULK meets international transport standards and regulations as well as providing an excellent fill in ISO-Containers. The low tare weight is a further financial benefit during transport.

“ The SCHUTZ ECOBULK is easy to handle and can be stacked 4 high quite safely. It is easy to load or unload by use of fork-lift or pallet truck, can be loaded by a crane lifting spreader, thus ensuring the best use of time and resources.

“ The specially designed discharge valves ensure safe and precise control when discharging substances of various viscosities. The different types of seal materials extend the range of applications and offer resistance to nearly all chemical products.

“ With the EURO-TICKET SCHUTZ offers a recycling process for used ECOBULKS throughout Europe which guarantees a pick-up and a sensible utilization of emptied containers.



Integrated butterfly valve DN50 with operating lever and screw cap



The ECOBULK SX is equipped with a metal discharge cover



DN 80



DN 150

Zugelassen für Ex-Zonen 1+2 nach CENELEC TR 50404:2003	Approved for Ex-Zones 1+2 according to CENELEC TR 50404:2003
SICHERHEITSHINWEISE	SAFETY INSTRUCTIONS
<ul style="list-style-type: none"> - Der IBC darf für Flüssigkeiten der Explosionsgruppe IIA und IIB (entsprechend EN 60079) mit einer Mindestzündenergie von > 0,2 mJ benutzt werden - Der IBC darf nicht in Zone 0 eingesetzt werden - schnelle sich wiederholende Befüllvorgänge sind zu vermeiden. Weitere stark aufladende Vorgänge erfordern zusätzliche Sicherheitsmaßnahmen - Der IBC darf nicht unmittelbar nach dem Reinigen wiederbefüllt werden - Während des Befüllens und Entleerens muss der IBC geerdet werden 	<ul style="list-style-type: none"> - The IBC may be used for liquids of the explosion group IIA and IIB (according to EN 60079) with a minimum ignition energy of > 0,2 mJ - The IBC may not be used in zone 0 - Rapid repeated fillings should be avoided. Other high charging processes require additional safety measures - The IBC should not be filled immediately after cleaning - During filling and emptying operations the IBC has to be grounded

The Cenelec TR 50404:2003 marking on all ECOBULK SX-Ex containers

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The Pensteel Range of Composite IBCs

Further Schütz Composite IBCs

LX Range

The Schütz LX 1000 Litre IBC is manufactured with a galvanised mild steel frame and an HDPE inner bottle that can take a maximum of 1.6 SG but is only available with a heat treated timber pallet (suitable for export).



MX Range

The Schütz range of MX IBCs are manufactured with a galvanised mild steel frame with an HDPE inner bottle that can take a maximum of 1.9 SG. These IBCs are available in different sizes with a choice pallets, valves, top caps and seals.



MX-Ex Range

With the introduction of 3 layer blow moulding technology, the MX1000 Litre container is available as an "EX" container with either a black conductive or white anti-static outer layer of HDPE. Suitable for use within Zone 1 and 2 areas. both with "white antistatic" and "black conductive" IBC outer layers protect the container from hazardous electrical discharge. Only available with a metal pallet.



MX-EV Range

Designed to eliminate the need for fluorination of the IBC bottle, the MX-EV EVOH, is manufactured with 6 layer technology and safely protects the filling product from permeation. EVOH is a highly effective barrier that prevents the entry of oxygen or gases and prohibits the discharge of flavours or odour.



MX-Ex-EV Range

A further innovative Schütz IBC, is the MX-Ex-EV, this container is provided with both an EVOH barrier to alleviate the permutation of certain products and a Black conductive outer layer of HDPE to dissipate electrical static build up. Suitable for use within Zone 1 and 2 areas.. Only available in 1000 litre capacity and will be supplied with a metal pallet.



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