

Industrial packaging

and ancillary equipments...



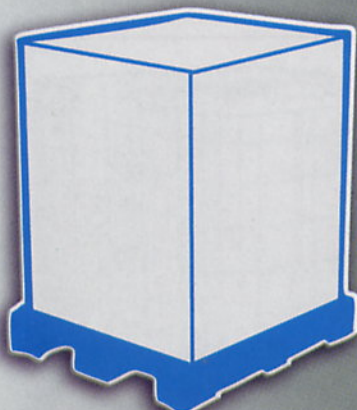
Jerrycans
20 to 30 litres



Open head drums
30 to 225 litres



Tight head drums
60 to 225 litres



IBC, Intermediate Bulk Containers
820 and 1000 litres



SOTRALENTZ
PACKAGING

www.sotralentz.com

820 & 1000 litres SLX IBCs



Key points to choose an SLX IBC :

- Type of product to pack
- Product density
- SLX IBC utilisation
- Logistics conditions

The SLX IBCs containers are:

- Competitive
 - Robust
 - Safe
 - Convenient
- But each model has its particularity !

Handling



Transportation



Storage



IBC :
Intermediate Bulk Container



- Optimizes the distribution of all liquids and viscous products.
- Ensures safe transport of dangerous goods with UN approval (CRID, ADR and IMDG code).
- Easy handling with a large range of four ways entry pallets.



SLX IBC 1400

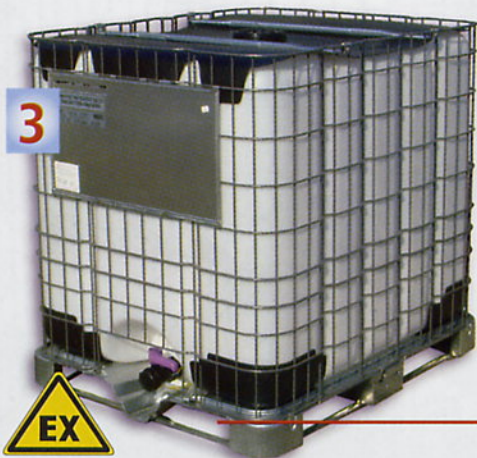
Competitive

- 1 000 litres, for products with a maximum density of 1.4
- SLX IBC 1400: The ideal solution for all common utilisation

SLX IBC 1900

Robust

- 1 000 litres, for products with a maximum density of 1.4
- SLX IBC 1900 specially designed to pack products of high density or heavy logistic conditions



SLX IBC UN EX

Safe

- 1 000 litres for flammable liquids of group IIA, can be used in zones 1 and 2
- In accordance with CENELEC TR 504 045:2003
- SLX IBC UN EX insures an optimal protection against static discharge during filling, emptying, handling, transportation and storage
- For more details please see our brochure

SLX IBC 820

Convenient

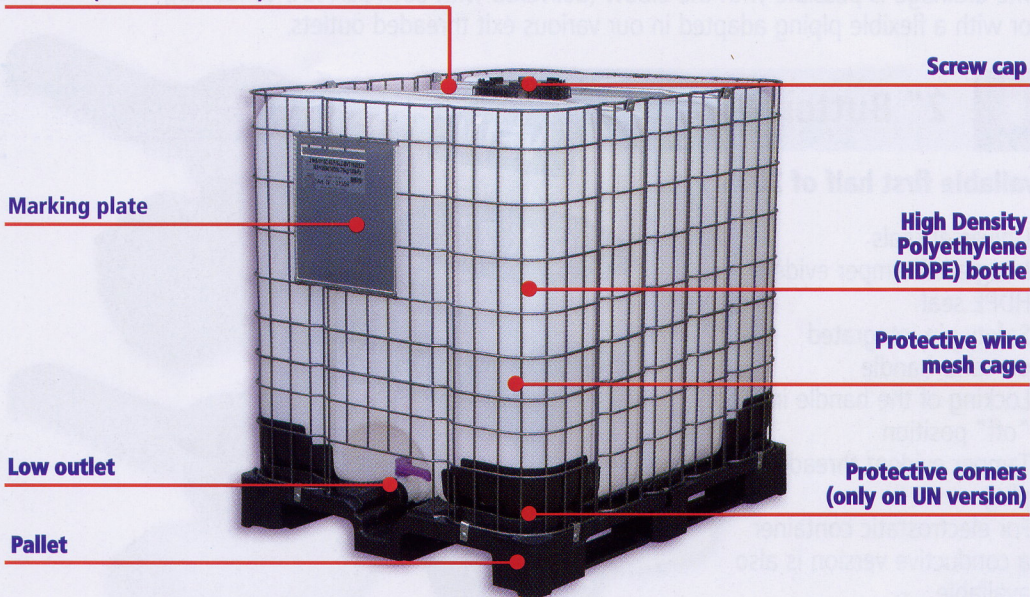
- 820 litres, for products with a maximum density of 1.9
- SLX IBC 820 also used to complete the loading of 20" ISO containers



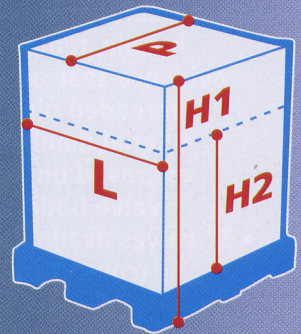
The SLX IBC Containers in details

- Assembly of several standard parts, the SLX IBC is designed to match your needs and allows an optimal utilisation.
- Thanks to its cube shape, the SLX IBC allows an optimal utilisation of you storage space. The pallet design enables easy stocking.

Tie bars (transversal bars)



Dimensions

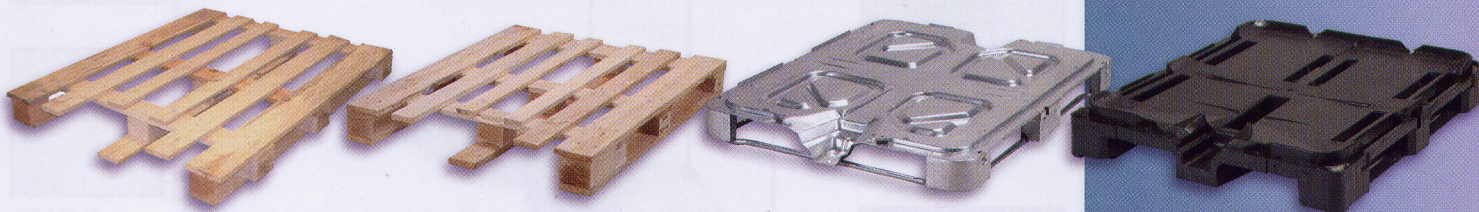


- P** = Length 1 200 mm
- L** = Width 1 000 mm
- H1** = Height 1 170 mm for 1 000 litres
- H2** = Height 980 mm for 820 litres

Pallet Types

Pallet	Wood		Steel		Plastic	
	interstackable	reinforced	non perimetric	perimetric	non perimetric	perimetric
1 SLX IBC 1400	yes	yes	yes	yes	yes	yes
2 SLX IBC 1900	no	yes	no	yes	yes	yes
3 SLX IBC UN EX	yes	no	yes	yes	yes	yes
4 SLX IBC 820	yes	yes	yes	yes	yes	yes

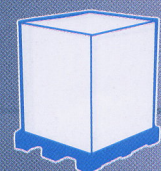
IPPC heat treatment is also available for the wooden pallets (NIMP 15)



Technical data

Pallet	Weight (kg) depends on the type of the pallet			Capacity (litres)	
	Wood (+/- 4 kg)	Steel (+/- 2 kg)	Plastic (+/- 2 kg)	Nominal	Brimful
1 SLX IBC 1400	62	64	69	1 000	1 050
2 SLX IBC 1900	70	70	75	1 000	1 050
3 SLX IBC UN EX	70	70	75	1 000	1 050
4 SLX IBC 820	58	60	64	820	845

Approximative values



Components for SLX IBCs

Valves :

- With triple security device, safety pin on handle, temper evidence seal, and threaded plug.
- Serial number engraved on all valve bodies.
- 3" valves available (consult us).

- Proven technology and reliability for all Sotralentz packaging valves.
- Our valves, with different obturations, ensure an optimal tightness of our SLX IBCs.
- They allow safe and controlled drainage.
- The drainage is possible with the elbow (delivered with each SLX IBC container), or with a flexible piping adapted in our various exit threaded outlets.

2" Butterfly valve

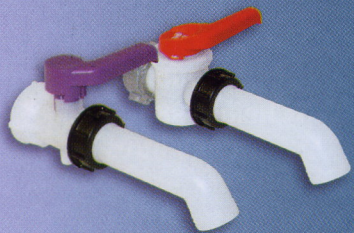
NEW

Available first half of 2005

- Universal seals
- Integrated tamper evident HDPE seal
- Safety pin integrated on valve handle
- Locking of the handle in "off" position
- Tamper evident threaded plug
- For electrostatic container a conductive version is also available



Emptying elbow



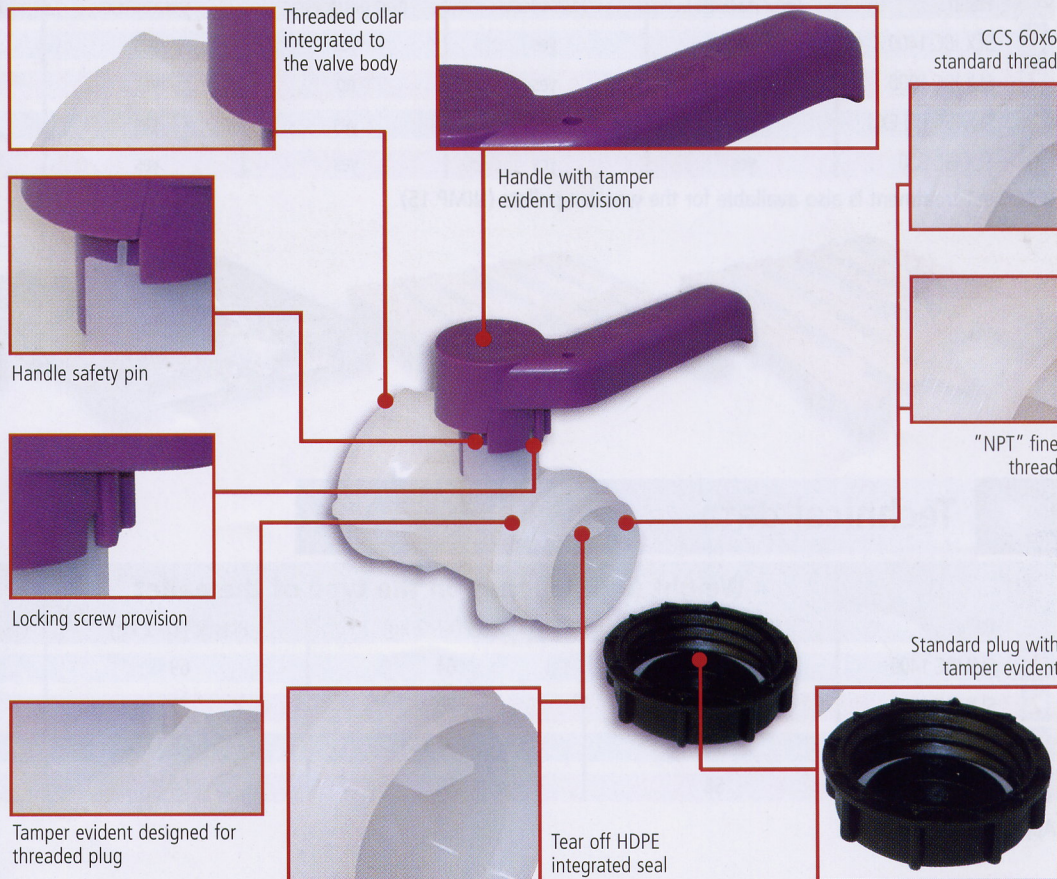
- Each IBC delivered with an emptying elbow.

Thread adaptors



Several thread adaptors are available (for further informations please contact us)

Details of the valve:



Components for SLX IBCs

2" Barrel valve

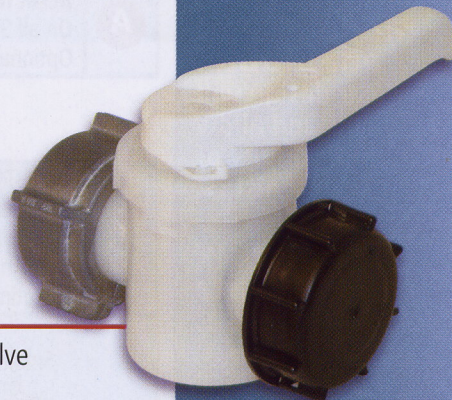
XXI 2"

- Red handle: valve with EPDM seals
- White handle: valve with VITON seals
- Conductive valve is available for SLX UN IBCs



- Valve for UV sensitive products

- Standard valve

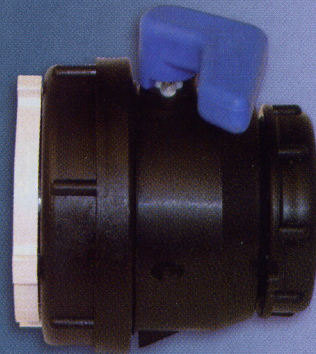


3" Half-ball valve

SL 3"

Valve used for:

- Viscous products
- High flow rate
- Full bore



Screw caps

Ø 150 or 220 mm are available in:

- Standard version
- Venting device
- Quick emptying system

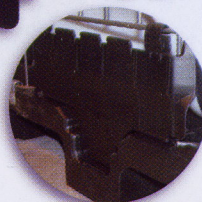
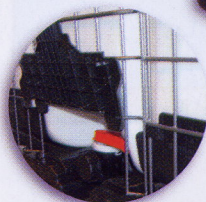
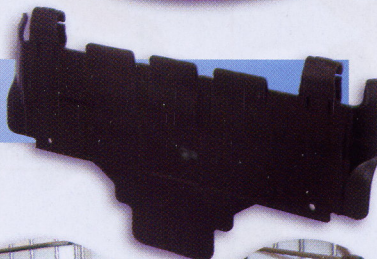


Screw caps

- Venting or quick emptying systems are available
- Tamper evident provision

Valve gate (optional)

- Rigid HDPE, protects the bottom drainage valve
- Adaptable on all SLX IBCs



The SLX modulable and ada

SLX IBC Modular and adaptable:

- The modular design will fit your needs and allow an optimum flexibility of your logistics.

Sotralentz Recycling Service:



- SRS will ensure the collection of every SLX IBC at end user location. For more details please see our website.

UN certifications of SLX IBCs



- 31HA1 / Y 1.4/...
 - SLX IBC 1900 :
 - 31HA1 / Y 1.9/...
 - SLX IBC UN EX :
 - 31HA1 / Y 1.9/... (Y 1.4 with wooden interstackable pallet)
 - SLX IBC 820 :
 - 31HA1 / Y 1.9/... (Y 1.4 with wooden interstackable pallet).

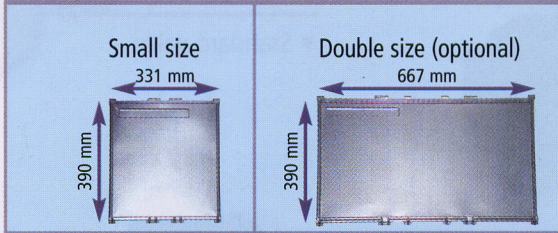
Agreements:

- ADR
- RID
- IMDG code

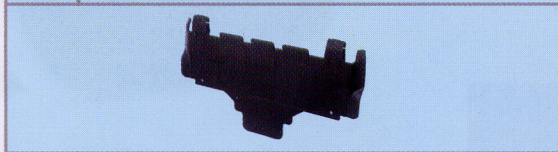


A **REAR MARKING PLATE**
On all SLX UN IBCs
Optional in standard version

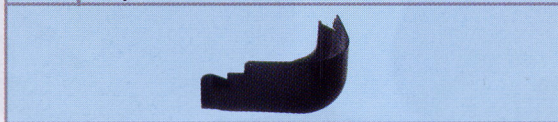
B **FRONT MARKING PLATE**
In galvanised steel allows identification and fast personalisation of the SLX IBC
Tip: An EAN 13 bar code is also available to optimize your tracability



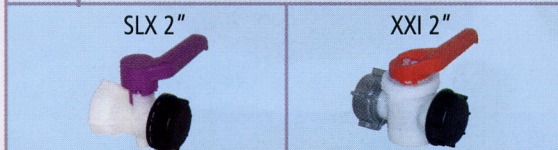
C **PROTECTIVE VALVE GATE (optional)**
Rigid HDPE protects the bottom outlet of the SLX IBC



D **PROTECTIVE CORNERS**
Only on SLX IBC UN version



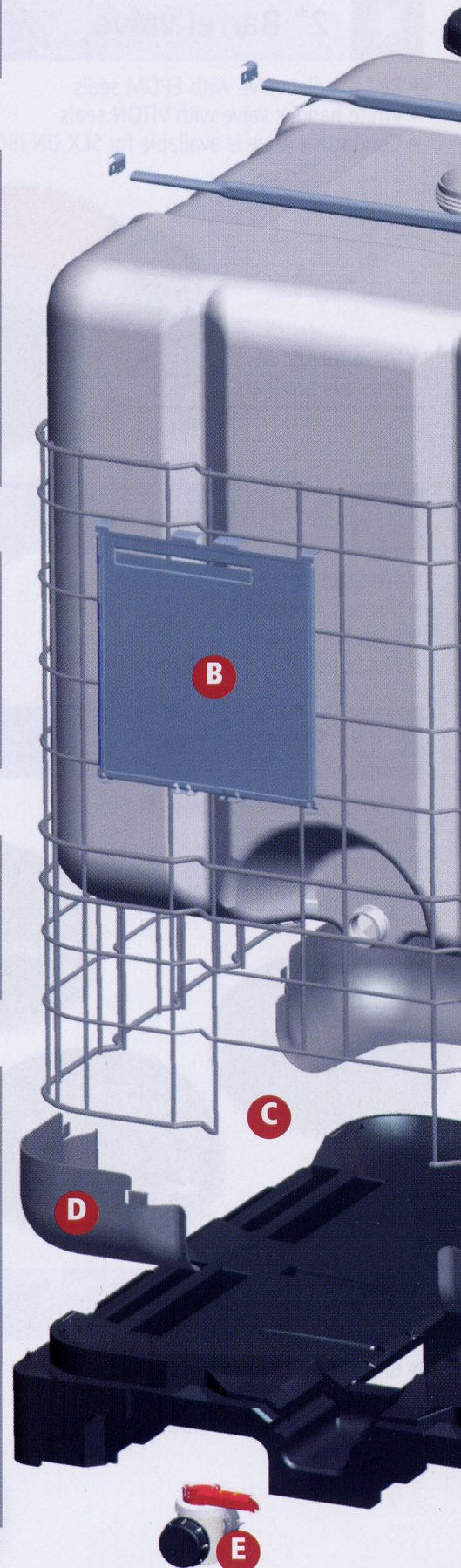
E **Ø 2" BOTTOM OUTLET**
SLX 2" : Butterfly valve with universal seals
XXI 2" : Barrel valve with EPDM or VITON seals (FPM).



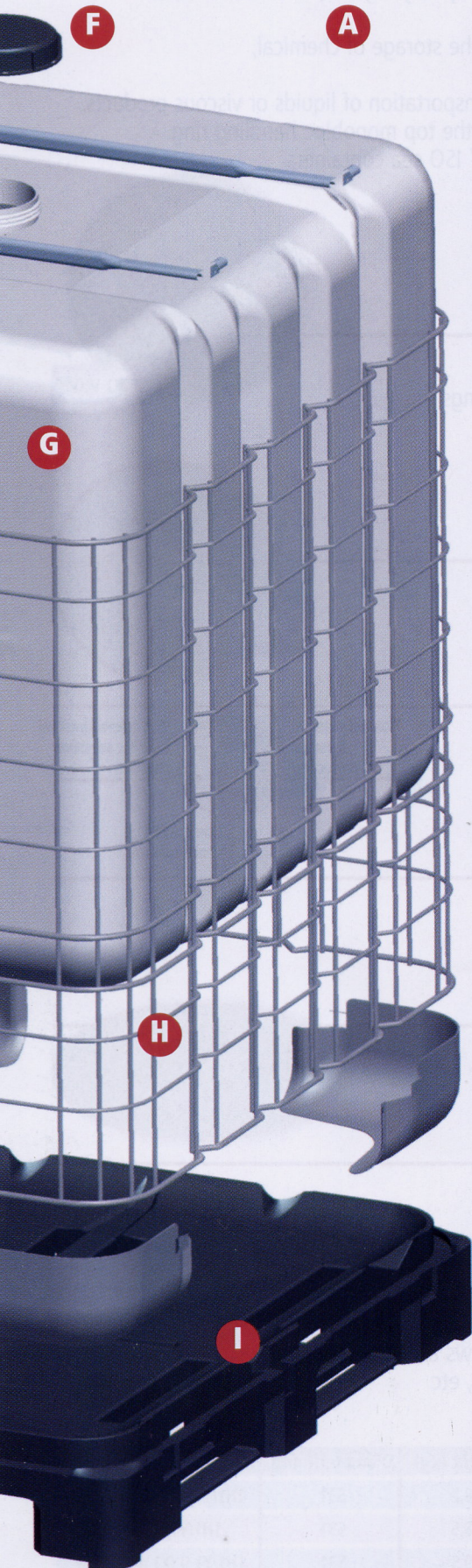
Ø 3" BOTTOM OUTLET
SL 3" : Half-ball valve. Integral 3" with full bore



NB: For more details please see pages 4 & 5



IBCs are suitable to your needs



F **SCREW CAP**
In black HDPE
NB: for more details see page 5
Tip: All screw caps can be fitted with tamper evident seals

Ø 150 mm	Ø 220 mm

G **BOTTLE**
Made of High Density Polyethylene, suitable for storage of foodstuff
Compatibility with most chemical products
Translucent: The liquid level can be visualised through all sides of the SLX IBC
Tip: A reinforced UV protection is also available with white or black bottles

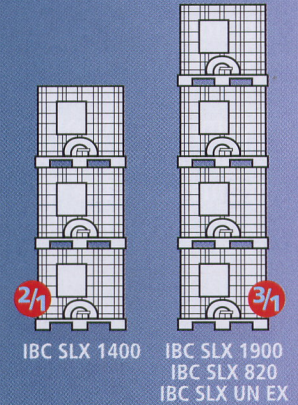
1 000 litres bottle	820 litres bottle

H **PROTECTIVE WIRE CAGE**
Made of steel wire mesh, it allows strong mechanical resistance of the SLX IBC.
Remark: All protective wire mesh cages are protected with an anti-corrosion polymerised epoxy polyester coating.

SLX 1 400	SLX 1 900 reinforced version

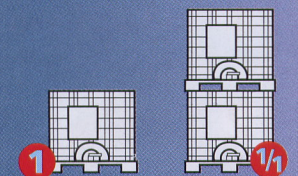
I **PALLET**
Wooden, steel or plastic pallets
NB: for more details see page 3

Static loads for SLX IBCs



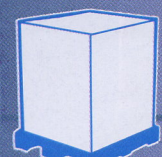
- If specific gravity is greater then :
 - $2/1$ - 1.2 : reduce one (1) height
 - $3/1$ - 1.4 : reduce one (1) height.

Dynamic loads for SLX IBCs



- 1 • If specific gravity is greater then :
 - 1.2 for SLX IBC 1400
 - 1.4 for SLX IBC 1900, 820, UN EX
- $1/1$ • If specific gravity is less then :
 - 1.2 for SLX IBC 1400
 - 1.4 for SLX IBC 1900, 820, UN EX

NB : For more details on SLX IBC loadings, please consult our technical sheets, or contact us.



How to choose a drum or a jerrycan?

SOTRALENTZ packaging can advise you on how to choose a drum or a jerrycan taking into consideration the type of product, storage condition, handling and transportation methods. The chemical compatibility of the drums or jerrycans remains upon the filler responsibility.

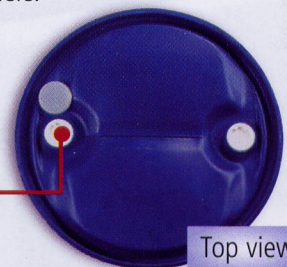
220 MH & 225 MH tight head drums



- Made by co-extrusion blow-moulding of High Density Polyethylene, the drum ensures long life and corrosion free packaging conditions.
- The Sotralentz packaging MH drum is suitable for the storage of chemical, pharmaceutical or foodstuff products.
- Designed to allow safe packaging, storage and transportation of liquids or viscous products.
- Easy handling, thanks to the cylindrical shape and the top monobloc handling ring.
- Standard size to fit most filling lines and 20' or 40' ISO sea containers.

Main fittings

- Two (2) sizes 220 litres and 225 litres
- Two (2) bungs



Double bungs

- Available with 2" BCS 56x4 standard bungs or two BCS 70x6 bungs
- Different plugs are available (degassing, regassing or venting plug)
- Plastic protective caps are also available

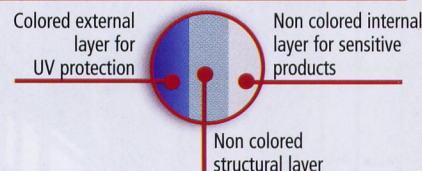
Monobloc handling ring

- Designed to ensure:
- Safe mechanical handling,
 - Complete drainage of rain water



Body

- Three layers coextruded high density polyethylene layers.
- Coextrusion process allows an optimal protection



Decoration area

- Large surface available for:
- Labelling
 - Personalised decoration

Hand grips

- Complete drainage is facilitated by two hand grips in the bottom

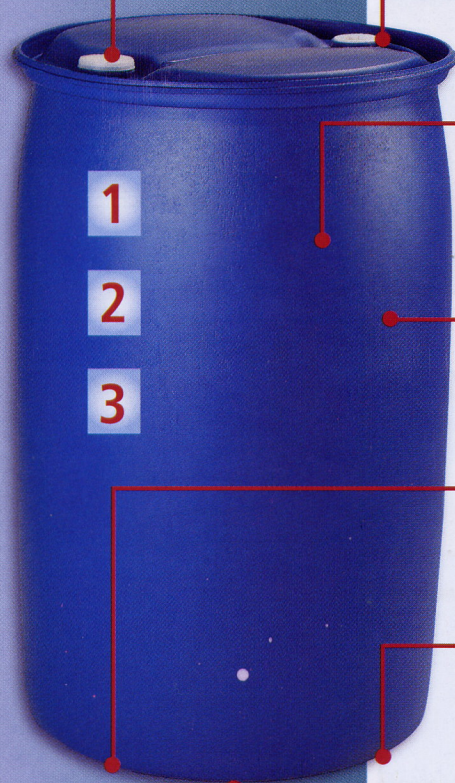
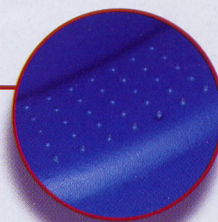


Flat bottom

- To allow a complete drainage with deep tube systems

Anti-skid grips

- Located in the bottom of the drum it allows a better grip on every sort of surfaces like wooden pallets, etc



	Model	Capacity (litres)	Height (mm)	Weight (Kg)	Diameter (mm)	UN approval
1	220 MH	220	935	8,2	531	1H1/Y1.9 (X1.2)/250KPa...
2	225 MH	225	965	8,5	531	1H1/Y1.9/200KPa...
3	220 MH reinforced	220	935	9,5	531	1H1/Y1.9 (X1.4)/250KPa...

Approximative values

60 to 120 litres tight head drums

- Made by extrusion blow-moulding of High Density Polyethylene, the drum ensures long life and corrosion free packaging conditions.
- The Sotralentz packaging tight head drum is suitable for the storage of chemical, pharmaceutical or foodstuff products.

60 DTN

- 60 litres
- Cylindrical shape
- 2 bungs, one 2" BCS 56x4 and one 3/4" BCS 24x4
- 1 integrated handle on the top
- 2 hand grips in the bottom
- Stacking stock pins
- UN approvals: 1H1/Y1.5 (2,5 kg version)
Y1.9 (3,0 kg version)



60 DTNR

NEW

- 60 litres
- Cylindrical shape
- 2 bungs, one 2" BCS 56x4 and one 3/4" BCS 24x4
- 1 integrated handle on the top
- 2 lateral fold down handles
- 2 hand grips in the bottom
- Stacking stock pins
- UN approvals: 1H1/Y1.5 (2,5 kg version)/
Y1.9 (3,0 kg version)



120 DTN

- 120 litres
- Cylindrical shape
- 2 bungs, one 2" BCS 56x4 and one 3/4" BCS 24x4
- 1 integrated handle on the top
- 4 integrated handles in the body
- 2 hand grips in the bottom
- Stacking stock pins



The density of the product determines:

- The maximum stacking height
- The handling methods

When the density is higher than 1.3, special precautions need to be taken.

Closing torques for the bungs:

- 2" BCS 56x4 = 12/15Nm
- 3/4" BCS 24x4 = 10/12Nm

Model	Capacity (litres)	Height (mm)	Weight (Kg)	Diameter (mm)	UN approval
4 60 DTN	60	620	2,5 und 3,0	400	1H1/Y 1.5 und (Y 1.9)/200 KPa...
5 60 DTNR	60	620	2,5 und 3,0	400	1H1/Y 1.5 und (Y 1.9)/200 KPa...
6 120 DTN	120	790	4,5	495	1H1/Y 1.9/200 KPa...

Approximative values



20 to 30 litres Jerrycans



Storing empty drums and jerrycans:

- Keep away from sparks and heat sources like pipes, hot tanks, radiators.
- Stock in clean and non-contaminated environments
- For longer periods, do not store outside and do not expose to UV lights.

Filling of the drums and jerrycans:

- Avoid damaging the packaging, especially the bungs, with the filling equipments.
- The closures need to be tightened with the correct torque prescribed by the manufacturer.
- Do not re-use venting closures.

Closing torques for the bungs:

- 2" CCS 60x6 = 15/18 Nm
- 2" BCS 56x4 = 12/15 Nm
- 3/4" BCS 24x4 = 10/12 Nm

- Made by extrusion blow-moulding of High Density Polyethylene, the drum ensures long life and corrosion free packaging conditions.
- The Sotralentz packaging jerrycan is suitable for the storage of chemical, pharmaceutical or foodstuff products.
- Designed to be palletised on standard pallets sizes.
- All Sotralentz Packaging jerrycans are equipped with stacking stock pins.

20 & 25 UDR2

- 20 & 25 litres
- 1 bung 2" CCS 60x6
- Rectangular shape
- Pinched handle on top and hand grip in the bottom
- Pallet: 800x1200 and 1000x1200 (mm)



25 & 30 DTC

- 25 & 30 litres
- 1 bung 2" BCS 56x4
- Square shape
- Moulded handle on top and hand grip in the bottom
- 1 M16 vent plug
- Pallet: 1140x1140 (mm)



30 DTN

- 30 litres
- 2 bungs, 2" BCS 56x4 and BCS 24x4 3/4"
- Cylindrical shape
- 1 moulded handle on top
- 2 hand grips in the bottom
- UN approvals: 1H1/Y1.9 (1,15 kg version) X1.3 (1,50 kg version)

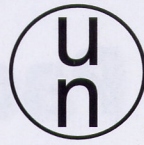


Model	Capacity (litres)	Height (mm)	Lenght (mm)	Width (mm)	Weight (Kg)	UN approval	
7	20 UDR2	20	392	294	242	0,90	3H1/Y1.9/200 KPa...
8	25 UDR2	25	474	294	242	1,05	3H1/Y1.9/200 KPa...
9	25 DTC	25	415	287	287	1,10	3H1/Y2.0/150 KPa...
10	30 DTC	30	490	287	287	1,25	3H1/Y2.0/200 KPa...
11	30 DTN	30	520	Ø 302	-	1,15	3H1/Y1.9 ou (Y1.3)/250KPa...

Approximative values



30 to 225 litres open head drums



- Made by extrusion blow-moulding of High Density Polyethylene, the drum ensures long life and corrosion free packaging conditions.
- The Sotralentz Packaging open head drum is suitable for storage, handling and transportation of powders or pastes, chemical, pharmaceutical or foodstuff products.
- Galvanised lock ring with handle compatible with mechanical handling.

30 & 60 OSNP2

- 30 and 60 litres
- Cylindrical shape
- Stackable lid with lock ring
- 2 hand grips in the bottom



60 OSNP

- 60 litres
- Cylindrical shape
- Stackable lid with lock ring
- 2 hand grips in the bottom

120 & 150 OSNP

- 120 and 150 litres
- Cylindrical shape
- Stackable lid with lock ring
- 2 hand grips in the bottom



225 OEN

- 225 litres
- Cylindrical shape
- Stackable lid with lock ring
- 4 integrated handles in the drum body



Hot filling of the drums and jerrycans:

- Do not stock when the drums or jerrycans are still warm.
- For short period (a few hours) temperatures up to 80° Celsius can be reached without affecting the mechanical characteristics of the drum. In case of longer periods do not surpass 60° C.
- Check again the compatibility of the product if filling temperature is above 25° Celsius. As this may have a negative effect on certain products regarding the compatibility with polyethylene (HDPE).

After filling of the drums and jerrycans:

- leave the drums open until the product temperature equals the environment temperature.
- Use a venting closure.

Model	Capacity (litres)	Height (mm)	Weight (Kg)	Diameter (mm)	UN approval	
12	30 OSNP2	30	520	1,95	315	1H2 / X 55 kg /...
13	60 OSNP2	60	625	3,30	400	1H2 / X 95 kg /...
14	60 OSNP	60	625	3,30	400	1H2 / X 95 kg /...
15	120 OSNP	120	808	5,20	495	1H2 / X 215 kg /...
16	150 OSNP	150	965	6,40	495	1H2 / X 265 kg /...
17	225 OEN	225	1 000	9,70	595	1H2 / Y 320 kg /...

Approximative values



Sotralentz Packaging

HDPE Industrial Packaging range

For chemical, foodstuff
or pharmaceutical products



Chemistry



Foodstuff



Pharmaceutical

For the packaging of all kinds
of products: liquids, viscous,
pastes or powders



Liquid



Viscous



Powder

For the storage, handling and
transportation of all your products



Road



Rail



Sea



Air

Approvals for the transportation of
dangerous goods

ADR/RID



IMDG/IATA

Free collect of used SLX IBC:
SOTRALENTZ RECYCLING SERVICE,
subject to SRS conditions

S.R.S.



S.R.S.

Developped and produced under
quality insurance ISO 9001 : 2 000



An international presence

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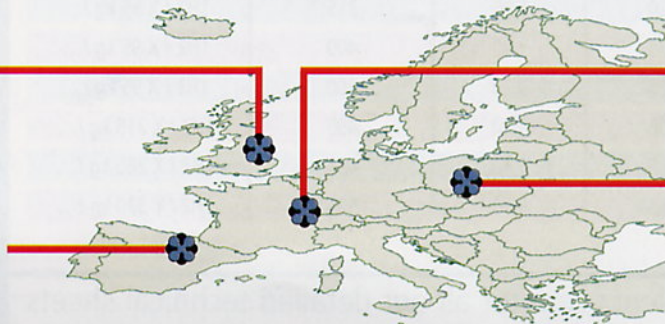
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