



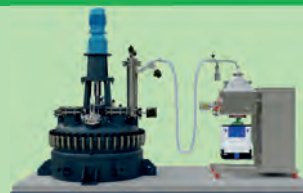
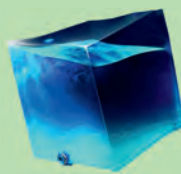
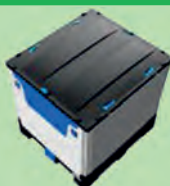
SCHEMATIC®

Containment | Reliability | Flexibility



INNOVATIVE

IBC MATERIAL HANDLING SOLUTIONS



SOLUTION PROVIDER FOR PHARMACEUTICALS, CHEMICALS AND FOOD INDUSTRIES

IBC MATERIAL HANDLING

Schematic Engineering Industries provides innovative foldable reinforced plastic intermediate bulk containers (IBC's).

Our IBC's dramatically reduce client costs in comparison with alternative IBC systems that employ plastic drums, steel framed IBCs and other non-folding designs/materials.

The IBC's are typically used for a variety of Liquid, Powder and Parts applications across all industry sectors from Chemical and Pharmaceutical plants to Food and Beverage plants. Key features include;

- Folding design - returnable without transporting "fresh air".
- Robust construction and stack-ability.
- Offered with a variety of Bag-In-Box (BIB) liners with innovative integral liquid discharge valves/fixings/covers.
- Anti-tamper proof construction with security mechanisms on the lid and doors.



RFID IBC Tracking & Management App



5 HIGH, 7500 KG STATIC
STORAGE CAPACITY



IBC FACTORY TESTING

Testing Center



Our products are designed and tested in our World leading IBC test centre, where IBC's undergo cycles of excessive vibration, loading/compression and handling to international standards to ensure our products are fit-for-purpose.

IBC MODELS

The table shows the four standard IBC models available from Schematic Engineering for the domestic Indian market,;

- KF975 (Small IBC for Powders/Parts)
- OF500 (Small IBC for Liquids/Powders/Parts)
- OF1040-2 (Medium IBC for Liquids/Powders/Parts)
- OF330 (Large IBC for Liquids/Powders/Parts)

Each IBC design comes with a range of innovative, value-adding customer features including contents security, ergonomic friendly drop doors and incredible folding ratios for optimum transport and storage space utilisation when the IBC is not in use.



HOREN TECHNICAL DATA - IBC COMPARISON SHEET

			IBC MODEL			
			KF975	OF330	OF1040-2	OF500
PHYSICAL DATA	External Dimensions	Length (mm)	1200	1219	1200	1200
		Width (mm)	1000	1118	1000	800
		Height (mm)	975	1215	1180	918
	Internal Dimensions	Length (mm)	1130	1149	1130	1130
		Width (mm)	930	1048	930	724
		Height (mm)	815	1020	985	718
	Folded Height	With Lid (mm)	345	340	375	372
		Without Lid (mm)	315	320	350	342
	Volume	(Litres)	840	1249	1040	560
Unit Weight	(Kg)	58	118	92	67	
CAPACITY DATA	Unit Load Capacity @ 1.35g/cm3 Liquid density	(Kg)	n/a	1400	1400	1000
	Static Load @5 Stack In Storage	(Kg)	3250	7500	7500	5400
	Dynamic Load @2 Stack In Transit	(Kg)	1300	3000	3000	2160
	*Stored on Racking (Kg)	(Kg)	600	1500	1500	1000
	20ft General Purpose Container (Pieces)	Folded (Pieces)	72	70	72	84
		Open (Pieces)	24	20	24	28
	40ft General Purpose Container (Pieces)	Folded (Pieces)	144	140	144	180
		Open (Pieces)	48	40	48	60
	40ft High Cube Container (Pieces)	Folded (Pieces)	144	140	144	180
		Open (Pieces)	48	40	48	60
	Standard Truck (9.6m Long x 2.4m Wide x 2.6m High)	Folded (Pieces)	126	112	108	144
		Open (Pieces)	36	32	36	48
High Truck (9.6m Long x 2.4m Wide x 3.0m High)	Folded (Pieces)	144	138	126	168	
	Open (Pieces)	54	48	54	72	
DESIGN FEATURES	Lid Anti-Tamper Pins	YES	YES	YES	YES	
	Drop door	YES	YES	YES	YES	
	Sump Cover	NO	YES	YES	YES	
	Inclined Water Discharge Base	NO	YES	YES	YES	
	Folding Ratio	3.0 : 1	4.0 : 1	3.5 : 1	2.6 : 1	
	Integral Card Holders	YES	NO	NO	NO	
	Anti-Slip Base	NO	YES	YES	YES	
	Self Locking Lid	NO	NO	YES	YES	

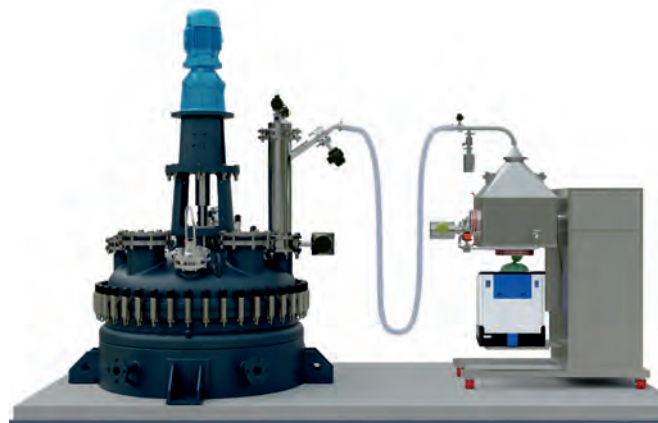
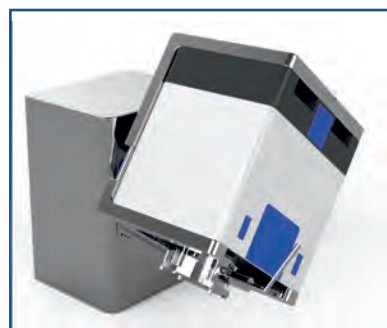
* Check with Technical Dept. Racking stacking Load (Kg) is dependant on the Environment

POWDER HANDLING

Our IBC's are used in a number of powder handling applications from blending, storage and transportation to Reactor/ANFD charging, dispensing and Barrier Isolator pack-off.

Our IBC's are also available in 'coned gravity dispensing' designs, and have design features including;

- EUR-pallet compatible
- Butterfly or Cone Valve discharge
- Valve outlet ID 250mm with variable position locking
- FDA approved seals



Schematic provide turnkey solutions for powder handling, including bespoke capital equipment design, manufacture and installation which seamlessly integrates with our innovative folding IBC's into the client's plant process line and operations.

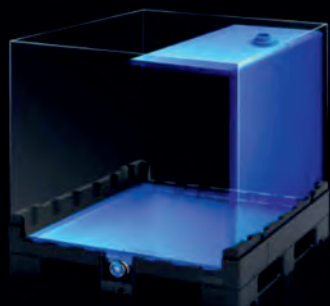
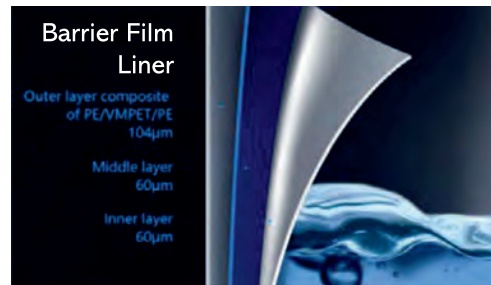
These solutions provide significant customer savings and very attractive returns on initial investment (ROI's).

Contact Schematic for further information.

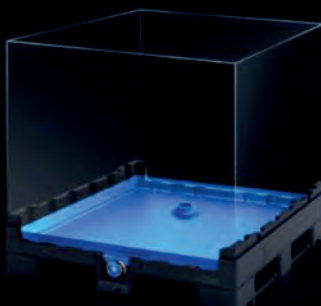
LIQUID HANDLING IBC'S AND LINERS

Our folding IBC's are offered with 'advanced liner technology' for all liquid handling duties including Aseptic, High Temperature and Antistatic film options. Furthermore, each liner is available in three 'filling styles', shown below, each with the following advantages:

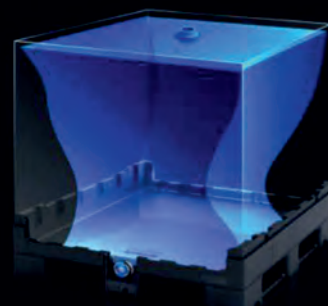
- Easy installation and operation,
- Hands-free filling,
- High efficiency, maximum volume,
- High compatibility with filling devices.



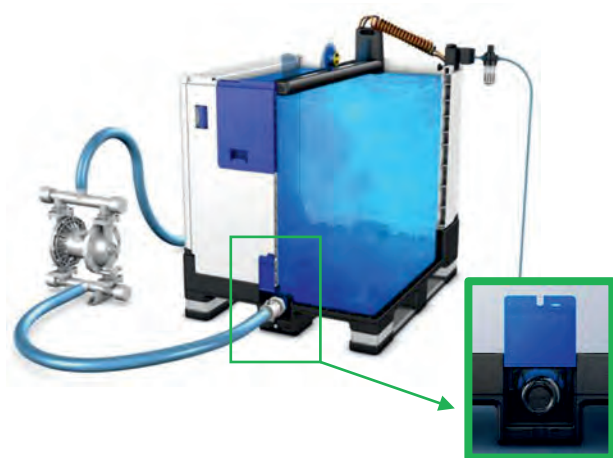
TOP OFFSET FILLING



BOTTOM CENTRAL FILLING



TOP CENTRAL FILLING



Our returnable transit packaging solutions for liquid logistics provide reliable and secure solutions with integral valves, for applications including;

- High-temperature filling
- Viscous liquid discharging
- Solidification liquid heating and discharging
- Zero residue discharging, and
- Aseptic filling and discharging.

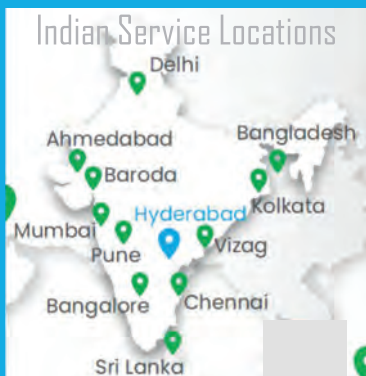
We have also designed high-performance Bag-In-Box (BIB) solutions for all kinds of fragile liquids sensitive to light, oxygen, or bubbles.

Call us for further information.

API / BULK POWDER HANDLING

LIQUID HANDLING

PARTS HANDLING



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