

Pharmaceutical

# Intermediate Bulk Containers (IBC)



# The Advantage:

Increased productivity

Decreased operational costs

Enhanced quality

Enhance quality control and streamline your process with SERVOLIFT Bins and related systems.

SERVOLIFT offers total flexibility by employing BOTH round and square geometries. One of the greatest advantages of employing an IBC system is the capability to blend your products directly in the bin. This allows the bin blender to operate all day, unlike conventional V and Double Cone blenders that require 5+ hours of changeover time for cleaning. Furthermore, blending your products in bins means that there is one less transfer of the product after blending (as opposed to transferring into a container from your V or Double Cone blender).

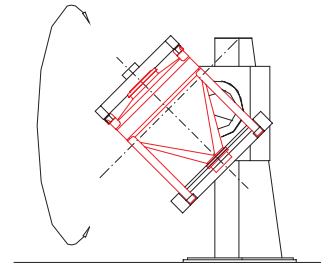
SERVOLIFT offers a whole host of configurations to suit every product and process such as: blending baffles, removable bin frames, casters, purge ports and high containment valves and systems.

Eliminate segregation

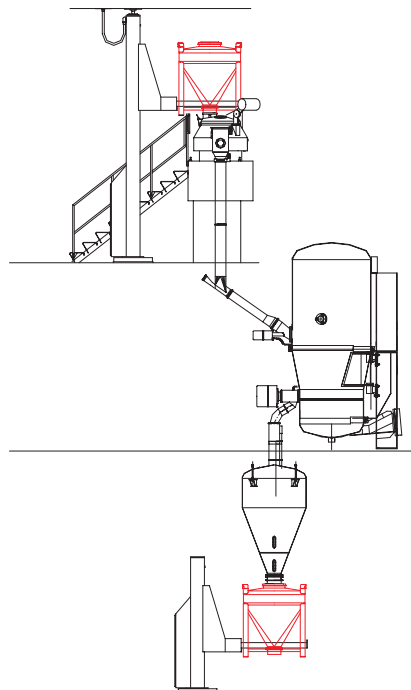
Improve GMP

Increase Throughput

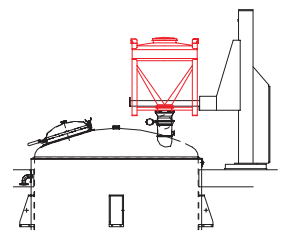
## IBC Blending Systems



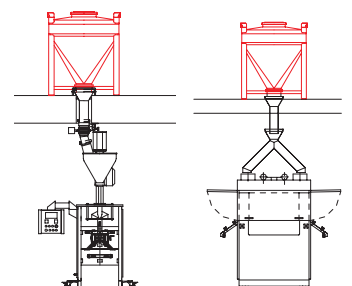
## Granulation Systems



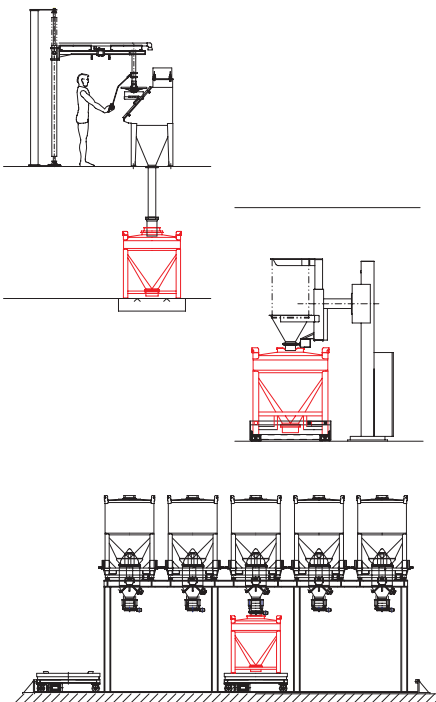
## Bio-Pharmaceuticals



## Tableting & Packaging



## IBC filling Systems (weigh-off)



# The IBC (bin):



## The basis of cGMP construction

Our UCON IBCs are truly in a class by themselves. We have made huge investments in production equipment to insure your IBC investment is the best you can purchase. UCON has the only deep-drawn IBC manufacturing facility in the world. The process of deep drawing steel allows our IBCs to have the least welding and most precise construction available. Consider these features:

### Deep-Drawn TOP

The entire top, including the corners, manway and top vertical sides are made from one sheet of metal, not 6 parts like all other IBCs.

### Deep Drawn Funnels

The funnel of the IBC is made from two sheets of metal, vertically welded. This removes the usual "bumps" from the funnel corners and provides a perfectly round outlet.

### Totally Enclosed Tubing Frames

Our frames are made from totally enclosed tubing systems in either round, rectangular or square profiles. This insures easy cleaning, high strength and is ideal for today's automated washing systems.

### Robotic Welding Systems

We employ Robotic TIG welding insuring quality seams and minimal imperfections.

### Pharmaceutical Finishing

We are experts at producing scientific finishes for our IBCs. We offer surfaces area's down to RA 0.5 micron or beyond with electro-polishing.

### Materials of Construction

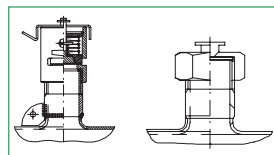
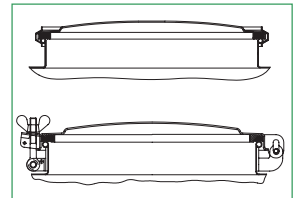
AISI Stainless Steel 304, 304L, 316 and 316L  
Hastelloy  
FDA Silicone, Viton, EPDM and PTFE



High Precision construction:  
Ideal for high containment systems

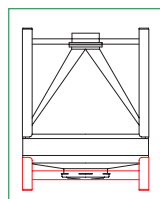
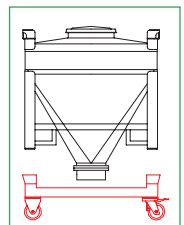
### COMMON OPTIONS

Manway Lids: Sanitary Design with either one-piece clamping band or hinge and thumb screw



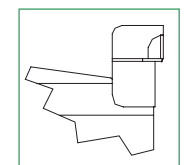
Vents & Purge Relief: Sanitary Tri-Clamp or Screw Cap vents and Purge Relief Valves

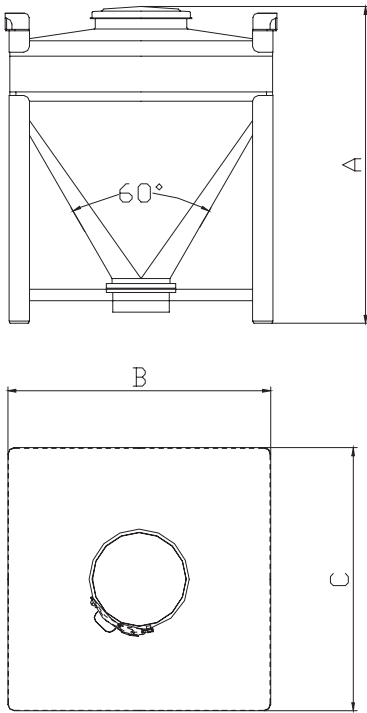
Split Frame: IBC frame is separate from the IBC allowing the IBC to be lifted off the lower cart.



Dual working Positions: IBC can be handled in either the cone down or up position. Ideal for high containment applications using only one valve.

Stacking Corners: Stack your IBCs up to three high for efficient space usage.



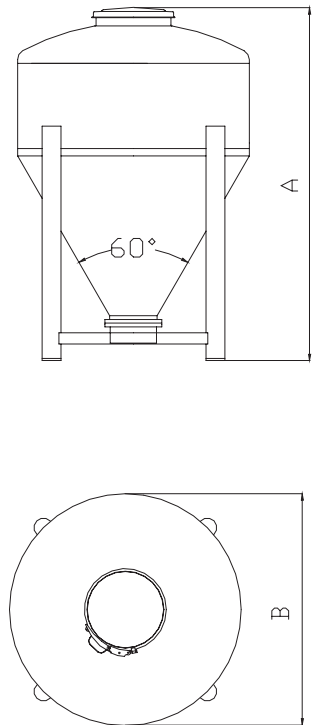


Typical Square IBC sizes				
Model	Capacity (L / Cu Ft)	A	B	C
BPO-600	600 / 21	49"	45.7"	45.7"
BPO-800	800 / 28	54"	45.7"	45.7"
BPO-1000	1000 / 35	60"	45.7"	45.7"
BPO-1200	1200 / 42	66"	45.7"	45.7"
BPO-1400	1400 / 49	72"	45.7"	45.7"
BPO-1600	1600 / 56	78"	45.7"	45.7"
BPO-1800	1800 / 63	84"	45.7"	45.7"
BPO-2000	2000 / 70	90"	45.7"	45.7"
BPO-2200	2200 / 77	96"	45.7"	45.7"
BPO-2400	2400 / 84	101"	45.7"	45.7"

All sizes in between those shown and up to 3000-liters / 106 cu ft offered

Typical Round IBC sizes			
Model	Capacity (L / Cu Ft)	A	B (diameter)
BPOR-600	700 / 21	56"	49.25"
BPOR-800	800 / 28	59"	49.25"
BPOR-1000	1000 / 35	65"	49.25"
BPOR-1200	1200 / 42	72"	49.25"
BPOR-1400	1400 / 49	78"	49.25"
BPOR-1600	1600 / 56	85"	49.25"
BPOR-1800	1800 / 63	91"	49.25"
BPOR-2000	2000 / 70	97"	49.25"
BPOR-2200	2200 / 77	104"	49.25"

All sizes in between those shown and up to 3000-liters / 106 cu ft offered



The above sizes and configurations are just a sample of typical IBCs that we produce. We can supply IBCs in any size, shape and specification as your application may require.

We also produce IBCs in capacities from 0.5-liters+, which are generally used for small production or research & development.

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