

NOTES

- All specifications are subject to change without prior notification.

IBC Tote Specifications

SCHÜTZ EcoBulk MX 1000L IBC – See full specifications on Carbon Academy

- Capacity
 - Nominal Capacity 950 L / 250 gal*
- Dimensions
 - 1200 x 1000 x 1160 mm / 48 x 40 x 46 inches (L x W x H)
- IBC Tote Weight
 - Empty (with pallet): 60 kg / 125 lbs
 - Full (with resin): 1160 kg / 2560 lbs

*Actual fill level varies by supplier and region. Check with your account manager.

- Discharge opening
 - Outlet valve: Integrated ball-valve with male DN50/2" NPS
- Empty IBC tote pickup program
 - SCHÜTZ offers free collection and environmentally friendly reconditioning of your empty IBC totes. To see if you qualify and for more information, see supplier website.

Site Guidelines

Requirements

- Resin must be filtered prior to being dispensed into the cassette for use to prevent particulates from damaging the cassettes. Use a sub-200 micron (No. 80 mesh) filter. See **DPR 10 Material Compatibility Matrix** below for compatible materials.

Other Considerations

- Customers are responsible for ensuring compliance with local regulations (secondary containment, hazardous waste disposal, permitting to store high volumes of DPR 10 resin, etc). See material SDS on Carbon Academy.
- Lifting/moving the filled IBC tote will require equipment such as a forklift.
- Using an IBC tote tilter to tilt the IBC tote up to 20 degrees minimizes leftover resin.
- An IBC cap wrench and large pipe wrench are necessary for opening IBC caps upon delivery.
- The customer facility should provide enough space to safely receive/ship, transport and store the full/empty IBC.

IBC Tote Dispensing and Equipment

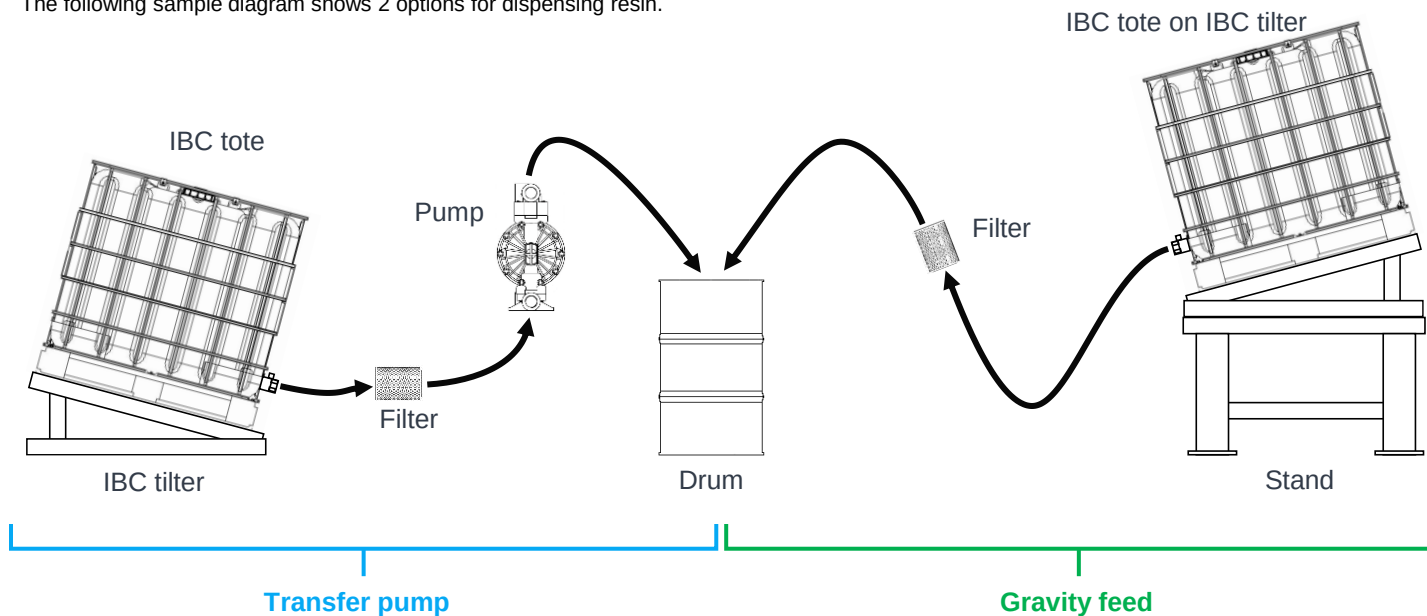
- Customers are required to purchase off-the-shelf IBC dispensing equipment and ensure that it meets the above Site Guidelines as well as EH&S, facilities and local regulations.
- There are several commercial gravity-based IBC stands which are applicable, reliable and can be used as a valid dispensing solution.
- For off-the-shelf components that contact resin, please consult the **DPR 10 Material Compatibility Matrix**:

DPR 10 Material Compatibility Matrix

	Elastomers	Plastics	Metals
Compatible with DPR 10 resin	PTFE EPDM* Viton* Santoprene* (not for use in diaphragm pumps but can be used as gasketing or hose material)	HDPE Polypropylene LDPE Delrin PEEK PVDF	Aluminum (Anodized and Raw) Stainless Steel (300, 400 series) Epoxy Lined Steel
Incompatible with DPR 10 resin	Buna-N Silicone	ABS PVC	---

Connection Diagram

The following sample diagram shows 2 options for dispensing resin.



Pump-based Dispensing Solution

Other than gravity-based solutions, customers are also able to create a **pump-based dispensing setup**. The following table lists the major components that are necessary to dispense resin using this setup, along with vendors/PNs that serve as an example for a working solution. Customers are welcome to source alternative components, compliant with **DPR 10 Material Compatibility Matrix** (as seen above).

Required Components	Description	Example Vendor	Example Part #
IBC (Tote) Tilter	Efficiency Master Tilt Table	Vestil	EM1-200-4848-2
Tote Fitting/Adaptor	There are multiple chemical transfer couplings that can attach to the outlet of an IBC tote. Tote outlet couplings can be labeled as DN50/S60x6 or 2" NPS Female and still work (DN50/S60x6 and 2" NPS reference the same standard). Typically users will mount quick disconnect or CAM lock type fittings to the tote as most hoses do not have a rotating coupling like your typical garden hose.	NA	NA
Hose	PTFE w/stainless braid (1" - 2" depending on length). There are many manufacturers of this type of hose.	NA	NA
Filter	Polypropylene Y-strainer 1NPT w/ 80 mesh screen	McMasterCarr	4417K65
Pump	Air Operated Double Diaphragm Pump with Teflon Internals	Lutz	US-L150-NAA-GTPN-000

Note: The above list does not represent a complete dispensing solution. There are other components such as air fittings and mufflers which will need to be purchased separately.