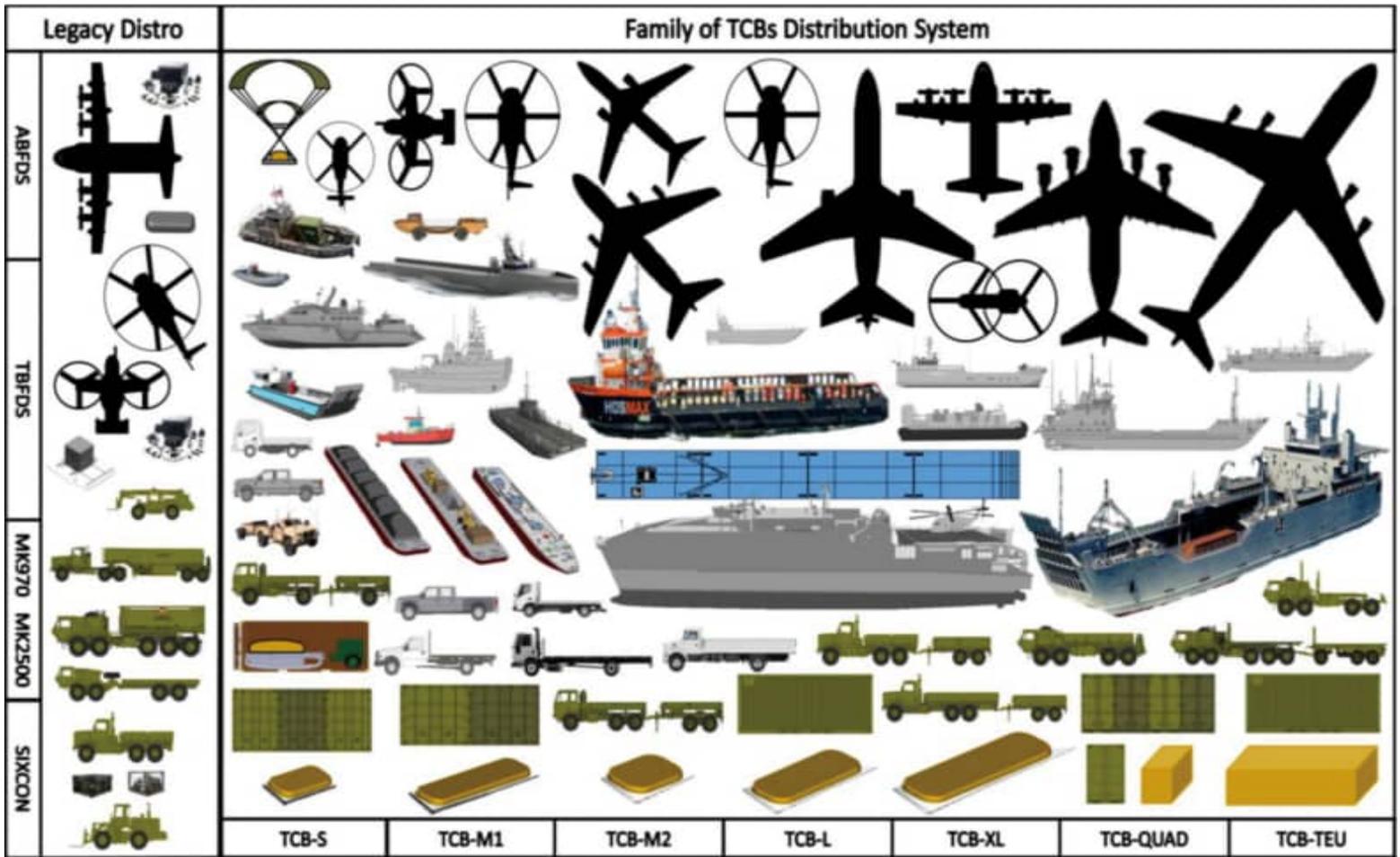


TRANSPORTABLE COLLAPSIBLE BLADDERS (TCB)

Transportable collapsible bladders are a practical solution for storing and transporting liquids in a variety of settings. Their foldable design allows for compact storage when not in use, saving valuable space.

FAMILY OF TCBs CONCEPT OF EMPLOYMENT

| | | FAMILY OF TCBs | | | | | | |
|-----------------------------------|---|----------------|---------------------|----------------|-----------------------|---------------------|------------------------|-------------------------|
| | | TCB-S | TCB-M1 | TCB-M2 | TCB-L | TCB-XL | TCB-QUAD | TCB-TEU |
| APPROX OPERATING DIMENSIONS (FT) | | 7 x 4 x 3-4 | 14 x 4 x 3-4 | 7 x 8 x 3-4 | 14 x 7.5 x 3.5-4.5 | 20 x 8 x 3-4 | 6.5 x 4.5 x 4.5-5.5 | 18.8 x 7.5 x 5.5-6.5 |
| STORAGE CAPACITY (GAL) | | 500 | 1,000 | 1,000 | 2,000 | 3,000 | 850 | 5,000 |
| 463L PALLETS (HALF & FULL) | | (1) HALF | (2) MARRIED HALF | (1) FULL | (2) MARRIED FULL | (3) MARRIED FULL | N/A | N/A |
| ISO CONTAINERS | | TRICON | N/A | BICON | TEU | N/A | QUADCON | TEU |
| AIRCRAFT | JPADS Light (10K) | 1-2 | | | | | | |
| | JPADS Medium (30K) | 3-6 | 2-3 | 2-3 | 1 | | | |
| | JPADS Heavy (60K) | 8-14 | 4-6 | 4-6 | 2-3 | 1-2 | | |
| | SH-60/UH-60/MH-60/HH-60 | 1 | | | | | | |
| | MV-22 | 2 | 1 | | | | | |
| | CH-53E | 2 | 1 | | | | | |
| | CH-53K | 4 | 2 | 2 | 1 | | | |
| | CH-47/MH-47 | 6 | 2 | 3 | 1 | 1 | | |
| | C-130 | 8 | 4 | 4 | 2 | 1 | | |
| | C-40 | 8 | | 4 | | | | |
| | KC-135 | 12 | | 6 | | | | |
| | KC-10 | 16 | | 8 | | | | |
| | C-17 | 20 | 10 | 10 | 6 | 4 | 8 | 2 |
| C-5 | 33 | 16 | 16 | 8 | 6 | 8 | 2 | |
| VEHICLES | EMAV | 1 | | | | | | |
| | JLTV UTILITY 2-PASSENGER (M1279) | 1 | | | | | | |
| | JLTV TRAILER (M1289) | 1 | | | | | | |
| | USAR LMTV TRAILER (2.5 Ton, M1082) | 1 | | | | | | |
| | USAR LMTV (2.5 ton) (M1078) | 1 | | | | | | |
| | USAR MTV (5 Ton)(M1083-86) MTV TRLR (M1095) | 1 | 1 | 1 | | | 1 | |
| | MTVR TRAILER (6 Ton, MK593) | 2 | 1 | 1 | | | 1 | |
| | MTVR (MK23/25) | 2 | 1 | 2 | 1* | | 3* | |
| | HEMTT VARIANTS (11 Ton, .08 M977/985) | 2 | 1 | 2 | 1 | | 2 | |
| | MTVR EXT D BED (MK27/28) | 3 | 1 | 2 | 1 | 1* | 3* | |
| | LVSR (MK18)/USAR HEMTT LHS (M1120) | 3 | 1 | 2 | 1 | 1 | 4 | 1* |
| LVSR PLS FLTRCK/TRLR (M1076/1077) | 3 | 1 | 2 | 1 | 1 | 4 | | |
| VESSELS | RHIB | 1 | | | | | | |
| | LARC-V | 2 | 1 | 1 | | | | |
| | MPF UTILITY BOAT | 1 | | | | | 1 | |
| | MKVI PATROL BOAT | 1 | | | | | | |
| | LCM-8 MOD I | 12 | 6 | 6 | 3 | 2 | 4 | 1 |
| | LCM-8 MOD II | 4 | 2 | 2 | 1 | | 3 | |
| | MSV-L (LCM-8 Rplc) | 20 | 10 | 10 | 5 | 4 | 8 | 2 |
| | LCAC | 20 | 10 | 10 | 5 | 4 | 8 | 2 |
| | LCU 1600 | 28 | 14 | 14 | 7 | 6 | 24 | 6 |
| | USAR LCU 2000 | 52 | 26 | 26 | 13 | 12 | 48 | 12 |
| | INLS CF (1+2+1) | 124 | 62 | 62 | 31 | 30 | 76 | 19 |
| | USAR MCS CF | 84 | 42 | 42 | 21 | 20 | 68 | 17 |
| | USAR LSV (1-6) Besson Class | 100 | 50 | 50 | 25 | 24 | 96** | 24** |
| | USAR LSV (7-8) Kuroda Class | 168 | 84 | 84 | 42 | 41 | 164** | 41** |
| | MSV-N (LSV Rplc) | 84 | 42 | 42 | 21 | 20 | 80 | 20 |
| | OUSV | 44 | 22 | 22 | 11 | 10 | 40 | 10 |
| | OSV/PSV/MPSV | ~168 | ~84 | ~84 | ~21 | ~20 | ~80** | ~20** |
| T-EPF | 88 | 44 | 44 | 22 | 21 | 24 | 6*** | |
| HST/JHSV | 152 | 76 | 76 | 38 | 37 | 36*** | 9*** | |
| COMMERCIAL VEHICLES | 0.75 TON COMM TRK (LSSV, Ford F-250 8FT, Nissan Cabstar) | 1 | | | | | | |
| | 1 TON COMM TRK (Ford F-350 8FT) | 1 | | | | | | |
| | 1.5 TON COMM TRK (Ford F-450, Sinotruk Dbl Cab 4x2) | 1 | | | | | | |
| | 1.5 TON COMM TRK (Isuzu Elf (NPR)) | 1-2 | 1 | | | | | |
| | 2 TON COMM TRK (Ford F-550 Super Dty Flatbed) | 1-2 | 1 | 1 | | | | |
| | 2 TON COMM TRK (Isuzu NQR/NRR, Sinotruk Sgl Cab 4x2) | 1-2 | 1 | 1 | | | | |
| | 2.5 TON COMM TRK (Ford F-650, Sinotruk Howo 4x2/6x4 Cargo) | 2 | 1 | 2 | 1 | | | |



TRANSPORTABLE COLLAPSIBLE BLADDER

Transportable collapsible bladders are a practical solution for storing and transporting liquids in a variety of settings. Their foldable design allows for compact storage when not in use, saving valuable space.

The TCBs consists of an inner bladder made of urethane and an exterior body with internal stabilizing baffles to reduce fluid surge. The restraint harness surrounding the inner bladder prevents vibration and movement from high G forces. This method prevents damage to the system during operations while integrating completely with applicable aerial and ground transport configurations. The external body is manufactured with Kevlar Ripstop coated with Thermoplastic Urethane to increase resiliency to abrasion, small-arms fire, and shrapnel. The external body also acts as a Secondary Containment in the event of a puncture of the inner fuel bladder. The key factor in this design is its capacity for a high-flow rate during filling and discharge.

- Designed to integrate and operate with Army Aerial Delivery Platforms
- Transportable on Aircrafts, Military Vehicles, Vessels & Commercial Vehicles
- Diverse storage capability: Potable Water, Diesel, Jet Fuel, and other hydrocarbons
- Inner Bladder with stabilizing baffles to reduce fluid surge
- Inner Bladder with restraint harness prevents vibration and movement from high G forces
- External body manufactured of Kevlar Ripstop resiliency to abrasion, small-arms fire, and shrapnel
- Diverse storage capability: Potable Water, Diesel, Jet Fuel, MOGA, AVGAS, Kerosene, Lube Oil
- External Body with integrated Tie Down Harness with Forge Snap Hooks and Ratchets
- The External body acts as a Secondary Containment
- Built for repeated use
- Capacities: 1890 to 18,900 Liters (500 to 5000 US gal)

