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| PRODUCT |  |  |  |  |  |  |  |
| |  |  |  |  |  |  |  |
| FEATURES | Sea Slug -Towable Bladder "FCB" | Pillow Shaped Tank "CPT" | Pillow Shaped Tank "CPT" | Rectangular Shaped Tank "CRT" | Rectangular Shaped Tank "CRT" | Modular Frame Tank "CF/FT" | Heli- Lifiable Tank "HLC" |

General Material Specifications

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|-----------------------------------|---|---|---|---|---|---|---|
| Environment | SEA Ocean, River, Lakes | SEA Transport with vessel | LAND | LAND Transport by truck AIR Transport by plane | LAND Transport by container (QUAD - ISO 20ft & 40ft) | LAND | AIR |
| Fluids | Hydrocarbons / Spills / Water | Hydrocarbons / Spills / Water / Chemicals | Hydrocarbons / Spills / Water / Chemicals | Hydrocarbons / Spills / Water / Chemicals | Hydrocarbons / Spills / Water / Chemicals | Hydrocarbons / Spills / Water | Hydrocarbons / Water |
| Solids | No | No | No | No | No | Yes | No |
| Material (Bladder Body) | PVC or Urethane | PVC or Urethane | PVC or Urethane | PVC or Urethane | PVC or Urethane | PVC or Urethane | PVC or Urethane |
| Material weight | 1622 g/m2 to 3,024 g/m2 (48 oz/y2 to 89 oz/y2) | 950 g/m2 to 1622 g/m2 (28 oz/y2 to 48 oz/y2) | 950 g/m2 to 1622 g/m2 (28 oz/y2 to 48 oz/y2) | 950 g/m2 to 1622 g/m2 (28 oz/y2 to 48 oz/y2) | 950 g/m2 to 1622 g/m2 (28 oz/y2 to 48 oz/y2) | 950 g/m2 to 1622 g/m2 (28 oz/y2 to 48 oz/y2) | 1360 g/m2 to 2685 g/m2 (40 oz/y2 to 79 oz/y2) |
| Construction Method | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) | Radio Frequency (High Frequency) |
| Fittings | Anodized Aluminum | Anodized Aluminum | Anodized Aluminum & PVC | Anodized Aluminum & PVC | Anodized Aluminum & PVC | Anodized Aluminum | Anodized Aluminum & PVC |
| Fittings - available sizes | 2", 3", 4" & 6" NPT Pump Hatch 16" & 25" | 2", 3", 4" NPT Man Inspection Hole 10"x16" | 2", 3", 4" NPT Man Inspection Hole 10"x16" | 2", 3", 4" NPT | 2", 3", 4" NPT | 2", 3", 4" NPT | 2" & 3" NPT |
| Metallic Structure | Marine Grade Anodized Aluminum 6061-T6 | n/a | n/a | n/a | n/a | Marine Grade Anodized Aluminum 6061-T6 | n/a |
| Type of Connections | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) | Aluminum Camlocks Male & Female (STA-LOK II or pin w/lanyard) |
| Valves (ball or butterfly) | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water | PVC for Hydrocarbons or Potable Water |

Body

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|-------------------|---|------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|---|----------------------------------|
| Body Shape | Cylindrical main body and matching Conical ends | Pillow shaped | Pillow shaped | Rectangular shape | Rectangular shape | Polygonal circular shape with modular interchangeable sides | Conical shape |
| Volume | 5m3 a 250m3 (1,320 a 66,000 US Gal) | 1m3 a 20m3 (264 a 5,300 US Gal) | 1m3 a 500m3 (264 a 132,000 US Gal) | 1m3 a 14.4m3 (264 a 3800 US Gal) | 1m3 a 14.4m3 (264 a 3800 US Gal) | 2m3 a 190m3 (530 a 50,000 US Gal) | 0.2m3 a 2m3 (55 a 530 US Gal) |

Certifications

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|---|--|--|--|--|--|--|--|
| Quality Control & Manufacturing System | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 and ABS Weight & Volume |
| Material PVC or Urethane | Norm DIN & ASTM | Norm DIN & ASTM | Norm DIN & ASTM | Norm DIN & ASTM | Norm DIN & ASTM | Norm DIN & ASTM | Norm DIN & ASTM |
| Material Type - PVC or Urethane | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 | Hydrocarbons: MIL-T-52983; MIL-PRF-32233(B) Potable Water: NSF/ANSI Standard 61 |
| Camlocks | MIL-C-27487 & A-A-59326 | MIL-C-27487 & A-A-59327 | MIL-C-27487 & A-A-59327 | MIL-C-27487 & A-A-59327 | MIL-C-27487 & A-A-59327 | MIL-C-27487 & A-A-59328 | MIL-C-27487 & A-A-59329; Petroleum Handling |

Norms and Body Integrity

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|--|--|--|--|--|--|--|--|
| Bladder Body - Pressure Test | ASTM F1599-95 | ASTM F1599-95 | ASTM F1599-95 | ASTM F1599-95 | ASTM F1599-95 | n/a | ASTM F1599-95 |
| Material Peel Test | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| PVC and/or Urethane Tensile Strength "Peel Test" before construction | ASTM E-4 +1% | ASTM E-4 +1% | ASTM E-4 +1% | ASTM E-4 +1% | ASTM E-4 +1% | ASTM E-4 +1% | ASTM E-4 +1% |
| PVC and/or Urethane Tensile Strength Calculations before construction | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) |
| Metallic Structure before manufacturing | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | n/a | n/a | n/a | n/a | Finite Element Analysis (FEA) (ANSYS and/or NASTRAN) | n/a |
| Webbing harness | FED-STD-191 Breaking Strength Test | FED-STD-191 Breaking Strength Test | FED-STD-191 Breaking Strength Test | FED-STD-191 Breaking Strength Test | FED-STD-191 Breaking Strength Test | n/a | FED-STD-191 Breaking Strength Test |