



# TW Series

## SEMEN TANKS



Specifically designed for the every day requirements of AI operations

- Universal canister compatibility
- Available in dual configuration
- Fits in standard shipping boxes and containers
- Rugged ribbed high-strength aluminum body, magneformed necktube design and more durable paint
- Superior vacuum performance with insulation technology that delivers maximum holding times
- Lockable lid with enlarged opening for seals or securing ties

| SPECIFICATIONS               | TW20         | TW24         | TW34       | TW47-6       | TW47-10      |
|------------------------------|--------------|--------------|------------|--------------|--------------|
| LN <sub>2</sub> Capacity (L) | 21           | 24           | 34         | 48           | 48           |
| Static Hold Time (Days)      | 220          | 218          | 188        | 123          | 123          |
| Evap. Rate (Liters/Day)      | 0.095        | 0.110        | 0.180      | 0.390        | 0.390        |
| DIMENSIONS                   |              |              |            |              |              |
| Necktube (in/mm)             | 2.2 / 55.9   | 2.38 (60.4)  | 3.5 / 88.9 | 5 / 127      | 5 / 127      |
| Overall Dia. (in/mm)         | 14.5 / 368.3 | 14.5 / 368.3 | 18 / 457.2 | 20 / 508     | 20 / 508     |
| Height (in/mm)               | 26 / 660.4   | 27.3 / 693.4 | 27 / 685.8 | 26.5 / 673.1 | 26.5 / 673.1 |
| WEIGHT                       |              |              |            |              |              |
| Empty (lb/kg)                | 26 / 11.8    | 26.2 (11.9)  | 35 / 15.9  | 31.5 / 14.3  | 31.5 / 14.3  |
| Full Weight (lb/kg)          | 63 / 28.6    | 69.0 (31.3)  | 94 / 42.6  | 120 / 54.4   | 120 / 54.4   |
| CAPACITY                     |              |              |            |              |              |
| Number of Canisters          | 6            | 6            | 6          | 6            | 10           |
| Canister Diameter (in/mm)    | 1.65 / 41.9  | 1.89 / 48    | 2.8 / 71.2 | 4.0 / 101.6  | 2.8 / 71.1   |
| .5 cc Straws on Canes        | 660          |              | 2100       | 3900         | 3200         |

## DUAL CONFIGURATION

Some TW Freezers models are available in dual-configuration for storage-shipping-storage convenience.



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# Dual Series

## SEMEN TANKS

Specifically designed for the every day requirements of AI operations



Dual-configuration allows you to use your TW Freezer for LN<sub>2</sub> storage, as a vapor shipper and then for storage again.

- Universal canister compatibility
- Fits in standard shipping boxes and containers
- Rugged ribbed high-strength aluminum body, magneformed necktube design and more durable paint
- Superior vacuum performance with insulation technology that delivers maximum holding times
- Lockable lid with enlarged opening for seals or securing ties

| SPECIFICATIONS                 | TW20 Dual    | TW34 Dual  | TW47-6 Dual  | TW47-10 Dual |
|--------------------------------|--------------|------------|--------------|--------------|
| LN <sub>2</sub> Capacity (L)   | 21           | 34         | 48           | 48           |
| Static Hold Time (Days)        | 220          | 188        | 123          | 123          |
| Vapor Storage Hold Time (Days) | 30           | 30         | 30           | 30           |
| Evap. Rate (Liters/Day)        | 0.095        | 0.180      | 0.390        | 0.390        |
| DIMENSIONS                     |              |            |              |              |
| Necktube (in/mm)               | 2.2 / 55.9   | 3.5 / 88.9 | 5 / 127      | 5 / 127      |
| Overall Dia. (in/mm)           | 14.5 / 368.3 | 18 / 457.2 | 20 / 508     | 20 / 508     |
| Height (in/mm)                 | 26 / 660.4   | 27 / 685.8 | 26.5 / 673.1 | 26.5 / 673.1 |
| WEIGHT                         |              |            |              |              |
| Empty (lb/kg)                  | 26 / 11.8    | 35 / 15.9  | 41 / 18.6    | 41 / 18.6    |
| Charged (lbs/kg)               | 34 / 15.4    | 45 / 20.4  | 59 / 26.8    | 59 / 26.8    |
| Full Weight (lb/kg)            | 63 / 28.6    | 94 / 42.6  | 120 / 54.4   | 120 / 54.4   |
| CAPACITY                       |              |            |              |              |
| Number of Canisters            | 6            | 6          | 6            | 10           |
| Canister Diameter (in/mm)      | 1.65 / 41.9  | 2.8 / 71.2 | 4.0 / 101.6  | 2.8 / 71.1   |
| .5 cc Straws on Canes          | 660          | 2100       | 3900         | 3200         |