

SKYDRATE™

TRAINING AND TROUBLESHOOTING

Contact support at 1 (802) 497-2253 or help@omni-defense.com.



You can also view the training material at omni-defense.com

ORDERING

SKYDRATE System and Supplies can be ordered on the GSA Advantage Website or directly from Omni Defense by calling 802-497-2253

STARTER KITS

CSK-3 M-M - SKYDRATE Male Starter Kit (Size Medium)

CSK-3 M-L - SKYDRATE Male Starter Kit (Size Large)

CUPS

IMCR-3 - SKYDRATE Male Cup

BAGS

CB-12-3 - 1200mL Disposable Collection Bag

CB-10-3-RU-12 - 1200mL Reusable Collection Bag

TECHNICAL SPECIFICATIONS

Flow Rate	2.25 LPM
Operation	12 Cycles per battery charge
Capacity	1200ml (Reusable) 1200ml, 1600ml (Disposable)
Operational Temp.	-10°C to 50°C (14°F to 122°F)
Storage Temp.	-20°C to 70°C (-4°F to 158°F)
Rechargeable Battery	4.89 Wh Lithium Polymer (16 Hour)
Charger Power Supply	Input ~ 100-240VAC (50/60Hz), 0.3A Output ~ 12V DC, 500mA

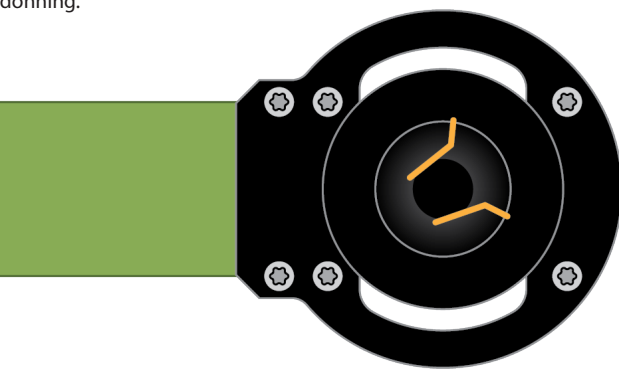
WARRANTY

Omni warrants its system to the original purchaser, against defects in material and workmanship for a period of one year from the date of original purchase.

M221026.1

URINE SENSORS

For automatic operation, the urine sensors in the male hose MUST be positioned as shown. CHECK the hose connector sensors before donning.



Before Flight, check that the sensors are correctly positioned as above.

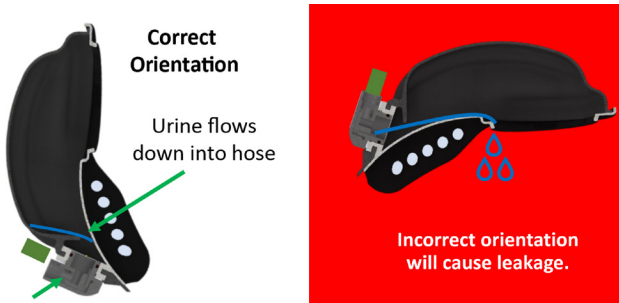
TSC (Through Suit Connector)

The Through Suit Connector provides aviators with hands free Bladder Relief without compromising protection or safety.



Training and Practice

Training and practice are key to successful, reliable system performance. Before flight, ensure that the battery is charged, components are connected, and that the cup is in the correct position.



GARMENT SIZING

There are 5 different sizes of garment available for use with the SKYDRATE system.

SIZE	WAIST
MG-32-MF	32-34"
MG-36-MF	36-38"
MG-40-MF	40-42"
MG-44-MF	44-46"
MG-48-MF	48-50"

SYSTEM SUPPLIES

Additional supplies for SKYDRATE can be ordered as needed, via the Supply Kits, which contains additional cups and bags.



SYSTEM ACCESSORIES

The SKYDRATE comes with two carrying bags to store the system and extra supplies, and for transport to and from the aircraft.



SKYDRATE™

MALE SYSTEM



Scan QR code for Digital Manual



OMNI
DEFENSE TECH

SKYDRATE™

1 CONTROL UNIT ODT-225-M

The **Control Unit** pumps urine from the cup to the collection bag at 2.25lpm, providing non-invasive, automated bladder relief.

- **Automatic** - Hands free, sensor activated
- **Manual Button** - Manually activates the liquid pump while held.
- **Battery Indicator** - The 3 lights provide the battery status (4 urinations per light).



2 COLLECTION BAG CB-12-3

The **Collection Bag** is made from durable, medical-grade urethane. The bags have odor proof, liquid blocking air vents that allow air to vent and prevent it from inflating.

- **Disposable Bag** - 1200ml capacity with super absorbent polymer gel.
- **Reusable Bag** - 1200ml capacity with drainage valve

Both the reusable and disposable bags have an *emergency* over-capacity limit of an additional 500ml.

3 CONTROL UNIT HOSE RHS-3-M-B-12

The **Control Unit Hose** connects Control Unit and Bag to the In-Line Switch. Comes in standard (12") and extended lengths (18" and 24").

- **Nomex Fabric** - Fire-retardant cover fabric
- **Anti-Kink** - The hose contains anti-kink tubing
- **Quick Release Connectors** - The connectors will disconnect when exposed to the forces of emergency ejection

4 IN-LINE SWITCH HS-225-M

The In-Line Switch allows for one handed operation of the system.

- **Manual Button** - Manually activates the liquid pump while held.
- **On/Off Switch** - Manually



5 CUP HOSE RHS-3-M-A-12

The **Cup Hose** connects the In-Line Switch to the cup, and should be connected to the cup prior to donning.

- **Urine Sensors** - Two salinity sensors (in the cup-side connector) detect the presence of urine and automatically activate the control unit.



6 MALE CUP IMCR-3

Flexible urethane cup. Designed for optimal use in all aircraft, including aircraft with the 5-point harness.

- **Flexible Urethane** - Durable, medical-grade urethane cup
- **Soft Foam Ring** - Soft, foam-molded body interface for comfort

SKYDRATE™

Safe-to-Fly, fully automated, optimized for use in ejection seat aircraft.

Omni Defense Technologies Corp.

808 Hercules Drive, Colchester, VT 05446

☎: (802)497-2253 ☎: (802)497-3601 www.omni-defense.com