

# Tempest Deicer One Man Drive

## The Model of Efficiency

Reduce operator costs by 50% with the JBT AeroTech Tempest aircraft deicer with One Man Drive (OMD).

In many deicing operations, the deicing truck is not driving and spraying at the same time. This leaves the basket operator idle while the truck is maneuvered into position and the driver idle while the operator is deicing the aircraft. The Tempest with One Man Drive system allows a single operator to control both the deicing operations and to drive the truck from the basket. This not only saves manpower, but also reduces training requirements and simplifies scheduling.

The custom designed Tempest chassis has a hydrostatic drive system and hydraulic power steering, which provides very precise drive controls. Coupled with the excellent visibility from both the open and enclosed baskets this gives the operator the ability to safely maneuver the Tempest from the basket, even in tight areas.

The OMD controls are all integrated into a single joystick, freeing the other hand for raising and lowering the boom while driving. Speed control is indexed, with smooth acceleration and deceleration and a limit of 6 km/h (4 mph). The park brake is automatically set when the truck comes to a stop, and released when the truck starts driving again. The steering system is servo controlled, providing a fast steering response and ensuring that the operator always knows exactly which way the truck wheels are pointed.



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On enclosed basket models a TV monitor shows a view from ground level for extra safety. Cameras can be added to the truck cab, to the rear of the truck or straight under the basket for a birds-eye view. Switching between different views can be manual or automatic as different drive directions are selected. A Day and Night switch on the monitor changes the contrast to the current light conditions.



The OMD joystick is compact and easy to operate. All of the functions to safely drive the Tempest deicer are conveniently placed for easy access. The enclosed basket OMD joystick includes the following features:

- OMD Activated Light
- Park Brake Light
- Neutral Indicator Light
- Forward-Neutral-Reverse (FNR) Select Switch
- Horn Push Button
- Speed Selection Switch
- Enable Switch
- Remote Engine Start Switch
- Servo Steering Left and Right
- Self Centering of Steering with Release of the Joystick

The OMD joystick is stored in a holder on the left hand side of the enclosed basket enabling the Tempest deicer to operate in both one person and two person modes. When ready for use the OMD joystick is removed from the holder and attached to the center of the front seat. The central location of the OMD joystick gives operators unrestricted access and allows them to safely look ahead while driving the Tempest.



OMD Open Basket Configuration

On open basket Tempests the OMD joystick is permanently affixed to the center or right hand side (depending on basket models) of the basket enabling the operator to use their left hand to operate the boom. Operating features on the open basket OMD joystick are identical to the enclosed basket model.

Optional OMD gauges, lights and switches can be installed in the Tempest deicing baskets:

- Deice and Anti-ice Fluid Level Gauges
- Fuel Level Gauge
- Heater Outlet Temperature Gauge
- Heater On and Off Switch
- Heater On Light
- Fluid Ready to Spray Light
- Low Fuel Level Light

The JBT AeroTech Tempest deicer with OMD provides a lower total cost of ownership (TCO) by reducing manpower costs and providing a safe, efficient, reliable and durable deicing vehicle.

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