

TC3 HELICOPTER OIL SPILL DISPERSANT SPRAY SYSTEM

Part No TC/0001

Application

Self-contained operation with no power requirements from a helicopter, the Vikoma TC3 has a dispersant operating capacity of 910 litres (200 gallons). Dispersant application can be varied up to 455 litres/min (100 gallons/min). The applied spray swath width is up to 30 metres. Application speeds are typically up to 85 knots. Maximum full load speed in transit 120 knots. The unit has twin spray boom arrays of 6.1 and 9.1 total widths. Dispersant droplet size 100 - 1000 micron

Dimensions

Total width rigged	9.1 metres (30 ft)
Maximum operational weight (with full dispersant load)	1270 kg (2800 lbs)
Net weight with no dispersant (with engine fuel)	260 kg (573 lbs)

Construction

Dispersant tank moulded fibreglass with internal baffle. Colour orange RAL 2008	
Support frame	stainless steel 316
Battery box	stainless steel 316
Relay box	plastic

Engine

6.7 hp max diesel engine with 12v electric start and charge unit. The engine can be started remotely from a hand carried control console in the helicopter, or hand started on the ground

Control console

This single hand portable unit is located on an umbilical electric wire 9 metres long, complete with quick release plug connector. Hand held controls are:

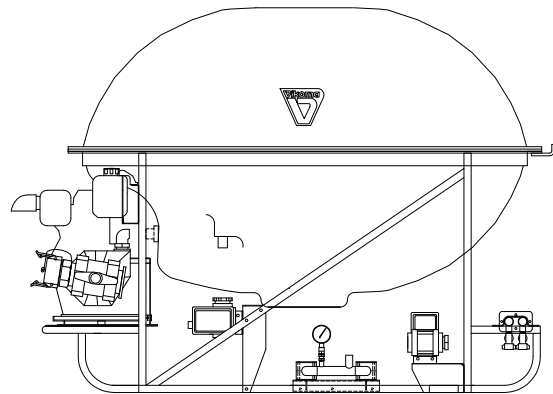
- Engine run/stopped lights
- Engine start/stop
- Spray on/off
- Spray bar selection

Dispersant pump system

When the engine is started, dispersant is pumped via a centrifugal pump, through an electrically operated 3-way ball valve back to the hopper. When the valve position is changed, the dispersant is pumped direct to the short spray arm (6.1m). This direction can be changed to the long arm (9.1m) via operation of a second 3-way ball valve. These valve positions can be changed from the control console in the helicopter. The flow rate is set via a relief and the unit's pressure gauge. The engine is automatically stopped when the hopper is empty via a level switch trip. A light on the hand held controller shows when the hopper is empty.

Helicopter attachment

The TC3 is attached to the helicopter cargo hook via a spreader bar.



Shipping Details

Length	176cm
Width	201cm
Height	150cm
Weight	480Kg

Standard Equipment

- 2 x operating and maintenance manuals
- Dispersant filling hose assembly (TC/0028)
- TC3 PVC Cover (8103CV)

Optional Accessories

- TC3 Spares kit (SK/7555)