



Technical datasheet

OTW.SOCOT UNIT (Safe Oil Conversion for Offshore Turbines)

Introduction

The compact oil conversion unit is designed in seawater resistant aluminum for optimizing the weight. It's designed with two umbilical's, it is hydraulic wave compensated by automatic tensioning including two patented umbilical brake away rescue and safety device systems.

The oil reservoirs are integrated with filters and heaters for guarantying delivering of clean oil for the turbine gear, which it can deliver at 40 L/min.

Furthermore, the unit have a waste oil pump installed for self-emptying at the harbor, pumping with 150 L/min.

The unit can be operated safely by a remote control from the nacelle.



OTS item number.: 7000-141

Features

- Compact size makes it easy to fit to most vessels
- Digital flow meters for accurate reading of filled hydraulic and gear oil
- Build in seawater-resistant aluminum and 316 stainless steel
- Off-line filtering for gear and hydraulic oil

Capacity & performance

Power supply	400 V 63 Amp. 50 Hz
Gear oil capacity	1800 l main tank + 750 l
Hydraulic oil capacity	750 l main tank + 200 l
Waste oil capacity	2550 l
Umbilical length	2 x 120 m

Safety features

- Wave compensated hose reels for operations in heavy weather
- Patented break-away devices which removes the risk for oil spills
- Approved design for DNV 2.7-1 with 5 emergency stops

Weight & dimensions

Length	3750 mm
Width	2550 mm
Height	2800 mm
Weight	4300 Kg
Gross weight	7100 Kg