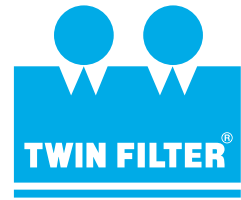


DUPLEX CARTRIDGE FILTER UNIT



TDW 610-50/40

The Duplex cartridge filter unit is the most commonly used cartridge filter unit in the oilfield industry. This offshore proof, skid-mounted filter unit is equipped with all necessary valves and safety features. The Duplex offers the most cost effective way to clean-up all possible oilfield fluids. It allows you to simultaneously filter with one vessel, and easily change out the used cartridges of the other vessel.



Duplex cartridge filter unit

SYSTEM DESIGN FEATURES

- standard serial/ parallel configuration
- standard TDW 610 serial: 50 cartridges per vessel
- compact space saving design
- innovative easy push lever and easy to handle swing-away vessel lid
- swing-bolts and nuts for quick opening
- self sealing, service friendly cover gasket
- all 4 inch valves easy to operate from the front
- certified hoisting slings and forklift pockets
- safety valve set at 7 bar (105 Psi)
- robust offshore frame

APPLICATIONS

Completion fluids
Water injection
Produced water
Seawater intake
Oily water clean up
Diesel
Pre-filtration RO

FILTER UNIT RANGE

TDW 610-50/40
(standard)
TDW 610-50/40-S (single)
TDW 510-30/40
(standard)
TDW 510-30/40-S (single)
Other types on request

We care, we filter

20-08-2007 - TDW 610-50/40

DUPLEX CARTRIDGE FILTER UNIT

TECHNICAL SPECIFICATIONS

Type	TDW 610-50/40
Number of cartridges per vessel	50 cartridges
Max. recommended flow	12.6 bbl/min (120 m ³ /hr)
Maximum working pressure	7 bar (105 Psi)
Maximum working temperature	158 °F (70 °C)
Design code vessels	PED (PD5500)
Design code frame	EN 12079
Cartridge diameter	2.5 " (6.35 cm)
Cartridge length	40 " (101.6 cm) plug in type
Vessel diameter	24 "(610 mm)
Pipe size	4 "
Material of vessel and piping	SS 316 L (all wetted parts)
Material frame	Carbon steel, epoxy coated
Main Valves	4 " Butterfly valve, NBR seat, SS disc
Instruments	in/outlet pressure gauge (0-10 bar/0-150 Psi)
Lid seal	EPDM O-ring
Lifting	Hoisting slings (certified) and forklift pockets
Vessel lid	Lever operated swing away
In-/ outlet	4 " union fig.100 inch on 4" NPT-M
Drain	1 " SS 316 ball valve with 1" BSP-F
Vent	1 " SS 316 ball valve with 1" BSP-F
Pressure relief valve	1 " bronze, set point 7 bar (105 Psi)
Weight (empty)	2650 lbs (1200 kg)
Dimensions (Lx Wx H)	7.38 x 3.94 x 6.6 ft (2.25x 1.20x 2.00 m)

We care, we filter