

TDW Unit

Dual Vessel Cartridge/Bag
Filter Unit



The Parker Twin Filter Dual Vessel Cartridge Filter Unit is the most commonly used cartridge filter unit in the oilfield industry. This offshore proof, skid mounted filter unit offers a cost effective way to clean most common oilfield fluids and fluid-waste streams. The TDW is equipped with all necessary valves and safety features. The unit enables simultaneous filtration with one vessel, while the spent cartridges of the other vessel are changed out. Certified hoisting slings and forklift pockets enable the equipment to be lifted quickly and easily with minimum risk at damaging.



Contact Information

Parker Hannifin Manufacturing
Netherlands (Process Filtration) B.V.
Zuiddijk 398
1505 HE Zaandam
The Netherlands

phone +31 756 555 000
fax +31 756 555 015
twinfilter.info@parker.com

www.parker.com/processfiltration
www.twinfilter.com

Benefits / Features

- 50 cartridges per vessel
- Serial / Parallel / Bypass
- Designed for offshore duty
- Offshore frame built according DNV 2.7-1 / EN12079
- Safety valve set at 7 bar (101.5 psi)
- Connections SS316L unions fig. 100 fitted with o-ring for easy and 100% leak-proof sealing
- Swing-bolts and eye nuts for quick opening
- Easy to operate lever and swing-away vessel lid
- Frame: 2 layer powder coated (Any RAL colour on request)
- Stainless steel glass bead blasted
- Integrated safety railing, ladder and service platform
- Certified hoisting slings lifting lugs and forklift pockets

Applications

- Completion fluids
- Produced water
- Work over fluids
- Gravel pack fluids
- Waste water
- (Bio) diesel
- Surface water intake
- Process water
- Pre filtration RO
- Frac fluids
- Pipeline flushing

Options

- Other vessel diameters (510 / 710)
- Integrated C-pump
- Low temperature execution
- Flanged connections
- High pressure (10 bar)
- High Flow 6" piping
- ASME VIII design



ENGINEERING YOUR SUCCESS.

Dual Vessel Cartridge and/or Bag Unit

SPECIFICATIONS

Design Specifications

Model	Cartridge /bag no.	L	W	H	Weight (empty)	Pipe size	Cartridge/bag diameter		Cartridge / bag length	
TDW Cartridge Unit	50	7.38 ft (2,25 m)	3.94 ft (1,2 m)	7.22 ft (2,20 m)	3086 lb (1400 kg)	4" (101,6 mm)	2.5" (63,5 mm)		40" (1016 mm)	
TDW Combination Unit	50/4	7.38 ft (2,25 m)	3.94 ft (1,2 m)	7.22 ft (2,20 m)	3306 lb (1500 kg)	4" (101,6 mm)	2.5" (63,5 mm)	7" (178 mm)	40" (1016 mm)	L2 (175 mm / 750 mm)
TDW Bag Unit	4	7.38 ft (2,25 m)	3.94 ft (1,2 m)	7.22 ft (2,20 m)	3086 lb (1400 kg)	4" (101,6 mm)	7" (178 mm)		L2 (175 mm / 750 mm)	

Design Specifications

Model	Vessels	Vessel lid	Instruments	Lifting	Design code frame	Vessels built according
TDW Cartridge Unit	2 pieces 24" (610 mm)	Lever operated swing away	In/outlet pressure gauge	Hoisting slings (certified) and forklift pockets	DNV 2.7-1 / EN12079	Fluid Group 2 (non-hazardous fluids) 97/23/EC
TDW Combination Unit						
TDW Bag Unit						

Connections

Model	Element type	Drain / Vent	Main Valves	Pressure relief valve	Inlet/outlet connection	Connections
TDW Cartridge Unit	2OF/222	1" ball valve (BSP-F)	Butterfly valves 4" (SS disc)	1" brass, set point @ 7 bar (101.5 psi)	Union fig. 100 M/F	SS316L with O-ring seal
TDW Combination Unit	2OF/222					
TDW Bag Unit	L2/ CS					

Maximum Operating Conditions

Model	Pressure	Temperature	Recommended Flow Rate
TDW Cartridge Unit	101,5 psi (7 bar)	158°F (70°C)	18 bbl/min 172 m³/hr
TDW Combination Unit			18 bbl/min 172 m³/hr
TDW Bag Unit			12 bbl/min 115 m³/hr

Materials of Construction

Model	Frame	Wetted Parts	Lid Seal
TDW Cartridge Unit	Carbon Steel (2 layer powder coated) (RAL 5015)	SS316L	NBR
TDW Combination Unit			
TDW Bag Unit			

Ordering Information (always contact us before ordering).

TDW

Vessel diameter		No. of Cartridges <small>(leave empty if not applicable)</small>		Length <small>(leave empty if not applicable)</small>			No. of Bags <small>(leave empty if not applicable)</small>		Special Option	
Code	mm	Code	No.	Code	Inch	mm	Code	No.	Code	Description
610	610	50	50	40	40	1016	4B	4	S	Special Option
Others on request		7	7 (only for MXG)	0	If not applicable		0	If not applicable		
		0	If not applicable		Others on request					
		Others on request								

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

© 2013 Parker-Hannifin Corporation
Twin Filter BV.
All Rights Reserved

