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 steal 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





Dual Vessel Cartridge and/or Bag Unit

SPECIFICATIONS

Design Specifications

Model	Cartridge /bag no.	L	w	н	Weight (empty)	Pipe size	Cartrido diam		Cartrid	ge / bag length
TDW Cartridge	50	7.38 ft	3.94 ft	7.22 ft	3086 lb	4"	2.5"		40"	
Unit		(2,25 m)	(1,2 m)	(2,20 m)	(1400 kg)	(101,6 mm)	(63,5 mm)		(1016 mm)	
TDW Combina-	50/4	7.38 ft	3.94 ft	7.22 ft	3306 lb	4"	2.5"	7"	40"	L2
tion Unit		(2,25 m)	(1,2 m)	(2,20 m)	(1500 kg)	(101,6 mm)	(63,5 mm)	(178 mm)	(1016 mm)	(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)	(175 :	L2 mm / 750 mm)

Design Specifications

Model	Vessels	Vessel lid	Instru- ments	Lifting	Design code frame	Vessels built according
TDW Cartridge Unit	2 pieces	Lever	In/outlet	Hoisting slings		
TDW Combination Unit	24"	operated	pressure	(certified) and	DNV 2.7-1 / EN12079	Fluid Group 2 (non-hazardous fluids)
TDW Bag Unit	(610 mm)	swing away	gauge	forklift pockets	, 21112010	97/23/EC

Connections

Model	Element type	Drain / Vent	Main Valves	Pressure relief valve	Inlet/outlet connection	Connections
TDW Cartridge Unit	20F/222		Butterfly	1" brass, set		
TDW Combination Unit	20F/222	1"ball valve (BSP-F)	valves 4"	point @ 7 bar	Union fig. 100 M/F	SS316L with O-ring seal
TDW Bag Unit	L2/CS		(SS disc)	(101.5 psi)		

Maximum Operating Conditions

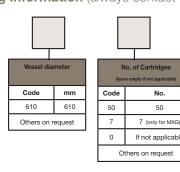
Model	Pressure	Temperature	Recommended Flow Rate	
TDW Cartridge Unit			18 bbl/min 172 m³/hr	
TDW Combination Unit	101,5 psi (7 bar)	158°F (70°C)	18 bbl/min 172 m³/hr	
TDW Bag Unit			12 bbl/min 115 m³/hr	

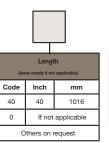
Materials of Construction

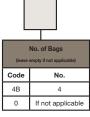
Model	Frame	Wetted Parts	Lid Seal
TDW Cartridge Unit	Carbon Steel		
TDW Combination Unit	(2 layer powder coated)	SS316L	NBR
TDW Bag Unit	(RAL 5015)		

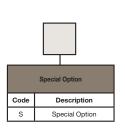
Ordering Information (always contact us before ordering).











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





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