

DFCB24

DUAL VESSEL COMBI FILTER UNIT

DUTCH FILTRATION



The Dual Vessel Combi Filter Unit (also available in cartridge and bag) is based on more than 25 years of experience in manufacturing equipment. All new features are based on customer feedback and combined in our unique dual pod filter unit. HSE, efficiency and reliability are the key drivers for our product improvement and design.

For the vessel closure you can choose the Rudi Quick Opening Closure. This allows the operator to open and close the filter vessel quickly and safely for changing filter cartridges and/or bags. Or you can choose the standard swingbolt closure.

Our unit is designed and built in accordance with DNV 2.7-1 and also certified by DNV. Our standard DFCB24 has two vessels with each 50 cartridges or 4 bags and 6 valves for series and by-pass operation.

FEATURES

- Compact footprint
- Quick opening closure lid
- Simple Davit
- Frame designed and certified according DNV2.7-1 /ISO 10855/ EN12079
- All wetted parts SS316
- Connections unions fig. 206
- Standard 10 bar design to PED

BENEFITS

- Fit on every on-/offshore installation
- Quick and safe filter change out
- Easy opening and closing
- Designed to global on / off-shore requirements
- No corrosion issues
- 100% leak-proof and easy sealing with uniform pressure
- Suitable for most applications

APPLICATIONS

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

OPTIONAL

- Swing bolt closure / rudi quick opening closure
- Pneumatic or hydraulic closure
- Stainless steel drip pan
- Drain manifold line
- Construction materials: carbon steel coated, (super) duplex
- Cartridge configuration such as high flow (OD 6.5")
- Bag configuration such as high capacity
- Carbon steel or Duplex Stainless Steel
- Manifold sizes and connection types
- ISO Corner Blocks
- Vessel linings: rubber, epoxy, glass flake, PU



RUDI QUICK OPENING CLOSURE



SWING BOLT CLOSURE

Contact

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SPECIFICATIONS DUAL VESSEL COMBI FILTER UNIT

Design Specifications	
Max. recommended flow	18 BPM (172 m ³ /hr)
Design Pressure	145 psi (10 bar)
Max. working temperature	212 °F (100 °C)
Design code frame	DNV 2.7-1 / ISO10855/ EN12079 certified
Design code vessels	PED 2014/68/EU, Module A, Fluid Group 1 (hazardous fluids)
Safety valve set point	145 psi (10 bar)
Vessel closure	24" Rudi Quick Opening Closure (no tools and no bolts)/swing bolt closure
Lifting	Hoisting slings (certified) and forklift pockets
Dimensions	
Vessel diameter	24 " (600mm)
Number of bags	50 cartridges or 4 bags
Cartridge diameter	2,5"
Sealing bag	Rigid ring type
Cartridge/bag length	40" plug in type 222/length 2
Pipe size	4"
Weight (empty)	3417 lbs (1550 kg)
Dimension (L x W x H)	7.55 x 4.3 x 7.2 ft (2.3 x 1.3 x 2.2m)
Connections/Valves/ Instruments	
In-/Outlet	4" Union fig. 206 inch to 4" NPT-M
Drain	1" SS316 ball valve with 1" BSP-F
Vent	1" SS316 ball valve with 1" BSP-F
Pressure relief valve	1" bronze, set point 7 bar
Main Valves	4" BFV- Cast iron body, NBR seat and SS316 disc
Instruments	2 manometers; in-/outlet pressure gauges 0-150 psi (0-10 bar)
Materials	
Material of vessel and piping	SS316 (all wetted parts)
Material frame	Carbon steel, epoxy coated RAL 6017 other colours on request

ORDERING CODE

Type	Vessel Diameter	No./length Cartridges/bags	Pipe size	Closure	DNV
DFCB = Dual vessel combi	24 = 24"	50/40 = 50 cartridges length 40	4 = 4"	R = Rudi	DNV certified
	Other sizes on request	4B = 4 bags			
Example: DFCB24-50/40-4B-4-R-DNV Dual Vessel Combi Unit Vessel diameter 24", 50 cartridges length 40, and 4 bags, connection 4", Rudi quick opening, DNV certified					