

DFB24

DUAL VESSEL BAG FILTER UNIT

DUTCH FILTRATION



The Dual Vessel Bag Filter Unit (also available as cartridge and combi) 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 bags. Or you can choose the standard swing bolt closure.

Our unit is designed and built in accordance with DNV2.7-1 and certified. Our standard DFB24 has two vessels with each 4 bags and 6 valves for parallel, in series and by-pass operation.

FEATURES

- Compact footprint
- Quick opening closure lid
- Simple Davit
- Frame designed and certified according DNV2.7-1 / ISO10855/ 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
- Bag configuration such as high capacity
- Manifold sizes and connection types
- Single or triple vessel
- 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 BAG FILTER UNIT

Design Specifications	
Max. recommended flow	18 BPM (172 m ³ /hr)
Design pressure	145 psi (10 bar)
Test pressure	207 psi (14,3 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	Rudi Quick Opening Closure (no tools and no bolts) / Swing Bolts Closure
Lifting	Hoisting slings (certified) and forklift pockets
Dimensions	
Vessel diameter	24" (600mm)
Number of bags	4 bags / vessel
Bag length	Length 2
Sealing bag	Rigid ring type
Pipe size	4"
Weight (empty)	3307 lbs (1500 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
DFB = Dual vessel bag	24 = 24"	4B = 4 bags length 2	4 = 4"	R = Rudi	DNV certified
	Other sizes on request				

Example: DFB24-4-4-R-DNV Dual Vessel Bag unit vessel diameter 24", 4 bags length 2, connection 4", Rudi quick opening, DNV certified. (Ex. Single Vessel Unit DFB24S, Triple Vessel Unit DFB24T)