



## FILTRATION SERVICES

# D.E. FILTER PRESS

Our heavy-duty filter presses for onshore and offshore use, are specially designed for completion, work-over and gravel pack fluids filtration. The presses are complete with a separate slurry skid and all necessary auxiliaries to run an efficient filtration job. The full propylene filter plates are recessed, hence 100% drip free and low NTU readings. TECSEP's Filter Presses are suitable for light and heavy brines at high flow rates. The Filter Press in combination with a duplex cartridge filter unit, pump unit, our powder and slurry skid are the most reliable and effective filtration set-up for filtration of completion fluids. We can also provide a Dual Filter Press package when required.

### TECSEP HEAVY-DUTY FILTER PRESS

## APPLICATIONS

- Treating waste while protecting the reservoir from contaminants, including bacteria, scale, clay, rust, etc.
- Specific design for completions, work-over, and gravel-pack fluids filtration.
  - Total cleanup of hydrocarbons, emulsions, and dissolved heavy metals.
  - Suitability for light- and heavyweight brines.



### FILTRATION SERVICES

## TECHNICAL SPECIFICATIONS

MODEL	FP800	FP1200	FP1600	FP2200
Number of Plates	32	48	64	58
Plate Size	1200 x 1200	1200 x 1200	1200 x 1200	1500 x 1200
Filtration Size	800 ft <sup>2</sup>	1200 ft <sup>2</sup>	1600 ft <sup>2</sup>	2200 ft <sup>2</sup>
Flow Rate	13bbl/min	15bbl/min	30bbl/min	30bbl/min
Working Pressure	7 Bar	7 Bar	7 Bar	7 Bar
Working Temperature	80° C	80° C	80° C	80° C
In/Outlet Size	4"	4"	6"	6"
Overall Dimensions	4.5 x 1.65 x 2.2m	5.2 x 1.65 x 2.2m	6.2 x 1.65 x 2.2m	7.15 x 1.95 x 2.4m
Weight	8,200 kg	9,000 kg	11,500 kg	15,500 kg

Approved and Certified by DNV to DNV 2.7-1/BS EN12079



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# STACKABLE FILTER PRESS PACKAGE

TECSEP's Filtration stackable mixing slurry skid is a complete unit for pre-coating, body feed and polishing of fluids. The stackable unit can be placed and fixed on top of the filter press. This set-up will give the minimum footprint during operation of the filter system. The unit has one frame and contains 1 x 15 BBL mixing tanks, air driven pre-coat and body feed pump, two cartridge filter vessels each 50 cartridges. The unit offers a safe working platform and the following benefits:

## TECSEP HEAVY-DUTY FILTER PRESS BENEFITS

- Designed for offshore and onshore applications.
- Reliable and simple system with a backup pump.
- Minimum deck space required.



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# TECHNICAL SPECIFICATIONS

MODEL	Measuring Unit	Stackable Filter Press Package
Dimensions ( L x W )	( m )	5,73 x 2,03
Height	( m )	2,33 (only stackable unit)   4,46 (Total Including Filter Press)
Empty weight (Empty)	( kg )	4000 (only stackable unit)   10000 (Total Including Filter Press)
Connection Size		4" Union fig. 100 M/F 55316L with O-ring seal
Max. operating pressure	Psi / ( bar )	'101.5 psi (7 bar) psi
Max. operating temperature	°F / ( °C )	In combination with Filter Press 158° F (70°C) " 72.5 psi (5 bar) °F
Maximum flow Rate	bbl / min ( m3/hr )	15 bbl/min (144 m3/hr)
For Fluid Type		Fluid group 2 (non-hazardous fluids)

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