

# Portable Filter Press for the Oil Drilling Industry

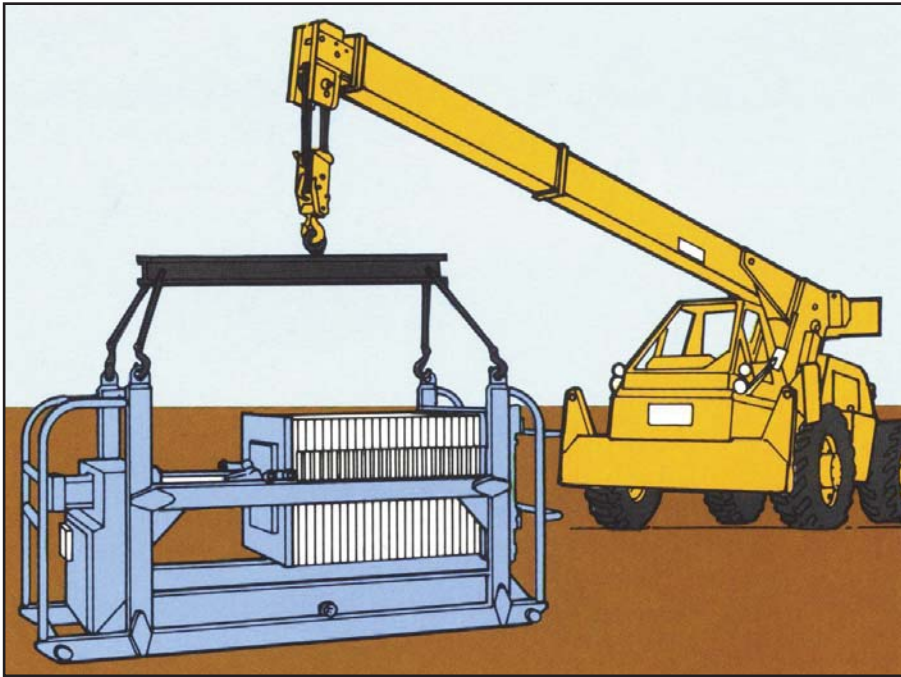
There are some applications of filter presses that require the equipment be portable. Thus, lighter weight, rigid and more compact equipment is needed. To accommodate this requirement, Siemens Water Technologies has engineered a special, lightweight, compact filter press containing an integral skid and roll bars.

The basic functions of this unique filter press are identical to those of Siemens' standard J-Press® filter press. The major use for such portable equipment is offshore oil drilling where filter presses (used as DE filters) are moved on and off the drilling platforms via cranes and work boats in heavy seas.

Lifting weight limitations, tight deck space and rugged environment require special equipment. This Siemens' filter press is about 30% less in weight and takes up 30 % less floor space (deck space) than a normal filter press due to some features listed below.

- The entire frame is constructed of rectangular tubing to minimize the unit's overall weight and length. This also helps eliminate the possibility of corrosion.
- All the pneumatic and hydraulic components are housed in a sealed control cabinet for protection from the environment.
- An additional back-up closure system is incorporated into controls for redundancy.
- All gauges and controls are housed in a magnetically latched plexiglass cover.
- Gasketed non-washing plates are used for maximum filtration and drip-free operation.
- An integral sluice pan is incorporated below the plates for collection of cake solids.
- Integral roll bars are built into the press skeleton for added unit protection during rugged handling situations.
- The unit is operated with compressed air energy only. No electrical components are used, which are a source of sparks and potential unsafe operation.
- Certified DNV style units available.





Size ft <sup>2</sup>	Plate Size mm	Chambers No.	Cake Volume ft <sup>3</sup>	Height Inches	Width Inches	Length Inches	Ship. Weight lbs
1100	1200	44	56	100	59	233	16,500
1200	1200	47	60	100	59	233	17,000
1500	1200	59	75	100	59	268	21,000
1600	1200	63	80	100	59	277	22,000

Dimensions are nominal values. May change with specific model ordered.  
Lower filter areas available upon request.



Manual backup closure system housed in enclosed cabinet.



Magnetically latched plexiglas cover to protect controls

ISO 9001: 2000 QMS  
The quality management system governing the manufacture of the J-Press® filter press is ISO 9001:2000 certified.

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