



Portable Dewatering Trailer Mounted J-Press® Filter Press

Water Technologies

SIEMENS



The Siemens mobile trailer system has a load capacity design of 80,000 lbs. The unit has four leveling legs, a rigid roof, stainless steel-clad, swing open doors and front bulkhead, and extra heavy duty weatherproof roller suspended side curtains for full access to both sides of the trailer. Six NEMA 4 lights mounted to the trailer roof provide ample lighting.

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Siemens Water Technologies can help you maximize your share of the mobile dewatering market.

When it comes to dewatering, the J-Press® filter press from Siemens Water Technologies has set the standards for the industry in design engineering, manufacturing and continuing customer service. The J-Press® filter press is designed for rugged operating conditions. Mounting on a specially built semi-trailer yields a completely self-contained mobile dewatering system. A trailer mounted Siemens mobile dewatering system enables the contract dewaterer to better service the needs of clients in a wide variety of liquids/solids separation applications. Explosion proof models are available.

Each Siemens mobile dewatering system, noted for its ease of operation, is delivered completely assembled and ready for immediate hook-up. These 1200mm filter presses are made with rugged, fabricated steel construction, and have standard capacities up to 117 cubic feet. They are designed for uniform stress distribution, and operate at feed pressures up to 225 PSI. The feed and discharge manifold system is of stainless steel construction. The lightweight polypropylene plates supplied on the J-Press® filter press provide effective liquids/solids separation, produce high solids filter cake, provide cost effective processing, and are corrosion resistant for long service life. Plates may be fitted with a variety of filter cloths and feature excellent cake release characteristics. The J-Press® filter press is

also equipped with a pneumatically-powered, semi-automatic plate shifter for ease of cake discharge from the filter press.

All of the necessary operational support equipment is supplied. This includes cake chutes for directing the filter cake onto a fully powered, 42-inch wide extension/retraction discharge conveyor system with a 5 HP drive. A 40 HP air compressor, fiberglass walkways, OSHA approved railings and stairs area also included. One easy to use control panel is provided for operating functions.

Whether the need is one-time, sporadic, or regularly scheduled, these completely self-contained portable systems provide maximum operational flexibility for the dewatering process.

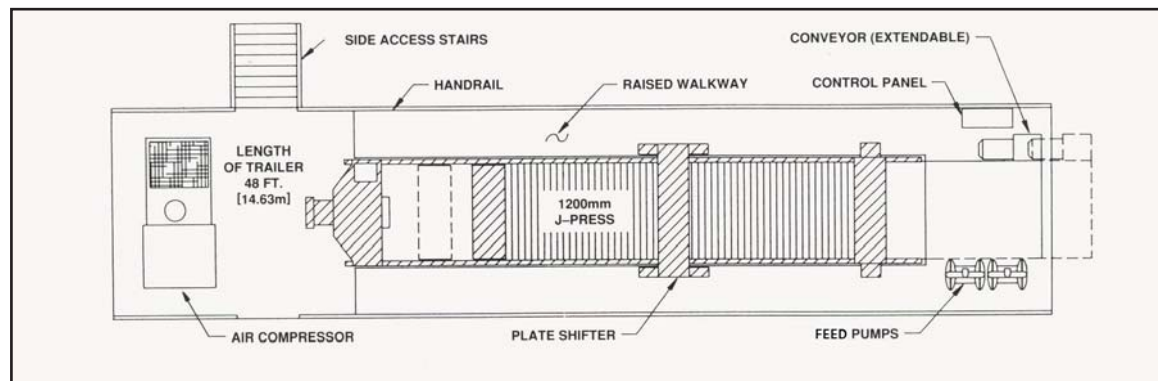
Siemens offers contract waste treatment operators continuing customer service, including custom design specifications, proven technical expertise and a complete laboratory services program to determine the dewatering characteristics of the feed slurry. Spare parts are readily available and can be delivered overnight if necessary. This combination of the highest quality products and the highest degree of applications expertise are the best reasons for choosing the J-Press® trailer mounted filter press. With Siemens, you don't just buy the product, you get the Company as well.

Mobile/Trailer Mounted J-Press® Dewatering Systems

Specifications	100 PSI Recessed Plate		225 PSI Recessed Plate		225 PSI Diaphragm Plate	
	U.S. Standard	Metric	U.S. Standard	Metric	U.S. Standard	Metric
Total Volume (cu.ft/cu.m)*	98	2.78	84	2.38	117	3.31
Total Area (sq.ft/sq.m)*	2563	238	2415	224	1992	185
Model Number	1200N25-110-98SYLS		1200N25-100-84SYHS		1200M40-81-117SYHS	
Plate Size (in./mm)	48	1200	48	1200	48	1200
Number of Chambers*	110		100		81	
Cake Thickness (in./mm)	1	25	1	25	1.6 (pre squeeze)	40 (pre squeeze)
Area/Chamber (sq.ft/sq.m)	23.3	2.17	24.2	2.24	24.6	2.29
Vol./Chamber (cu.ft/cu.m)	0.89	.025	0.84	.024	1.45	.041
Press Height (in./cm)	78	198	78	198	78	198
Press Length (in./cm)	396	1006	396	1006	396	1006
Press Width (in./cm)	72	183	72	183	72	183

* Nominal values, may change based on specific filter plates utilized.

Trailer Plan view



Equipment to be supplied with Siemens Trailer Mounted J-Press® Filter Press:

1. Filter press with semi-auto plate shifter.
2. Trailer.
3. Cake chutes.
4. Belt conveyor.
5. Stainless steel, cake washing, air blowdown, evenfill manifold.
6. Walkways, railings, stairs.
7. Compressor.
8. Control panel.
9. Water wash down deck.
10. Fluorescent lights mounted in trailer.
11. Double end feed (100 PSI standard).
12. Two (2) SS, air diaphragm, (1:1 ratio) pumps (100 PSI standard).
13. One (1) SS, air diaphragm (1:1 ratio) and one (1) (2:1 ratio) high pressure pump (225 PSI standard).
14. Two (2) SS, air diaphragm (1:1 ratio) feed pumps (standard membrane).
15. Automatic-staged, air squeeze system (standard membrane).
16. Appropriate to the model, lightweight polypropylene, non-gasketed, recessed chamber/ membrane plates, center feed, four corner alternating discharge type, complete with polypropylene filter cloths with latex edges.
17. Air/hydraulic opening and closing system.
18. Cabinet to house air and hydraulic components.
19. Cleaning spatulas.
20. Operating manuals.

ISO 9001: 2000 QMS

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

J-Press is a trademark of Siemens, its subsidiaries or affiliates.

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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