

technical

bulletin

No. MB-242-C

Free-Flo® Couch Roll Type Thickener



The Free-Flo Thickener is used to thicken stock from ~0.7-1.0% up to 6% consistency, depending on the furnish. Available in a 60-in. mold diameter with mold faces from 48 to 234 inches, it has unit capacities ranging from 20 to 400 T/D. Applications include thickening in OCC and board mills, as well as washing in ONP and ledger grade deinking systems. It can also be used as the primary thickener ahead of a belt or screw press in a kneading or dispersion operation.

The Free-Flo Thickener incorporates a rigid fabricated vat, available in mild or stainless steel, which contains the patented shaftless cylinder mold. By eliminating the heavy, expensive solid shaft found in other couch-type thickener molds, the structural integrity and reliability have been dramatically improved. Higher capacity drainage is achieved through innovative backing plate and wire combinations, while yield losses are controlled by special face wire configurations.

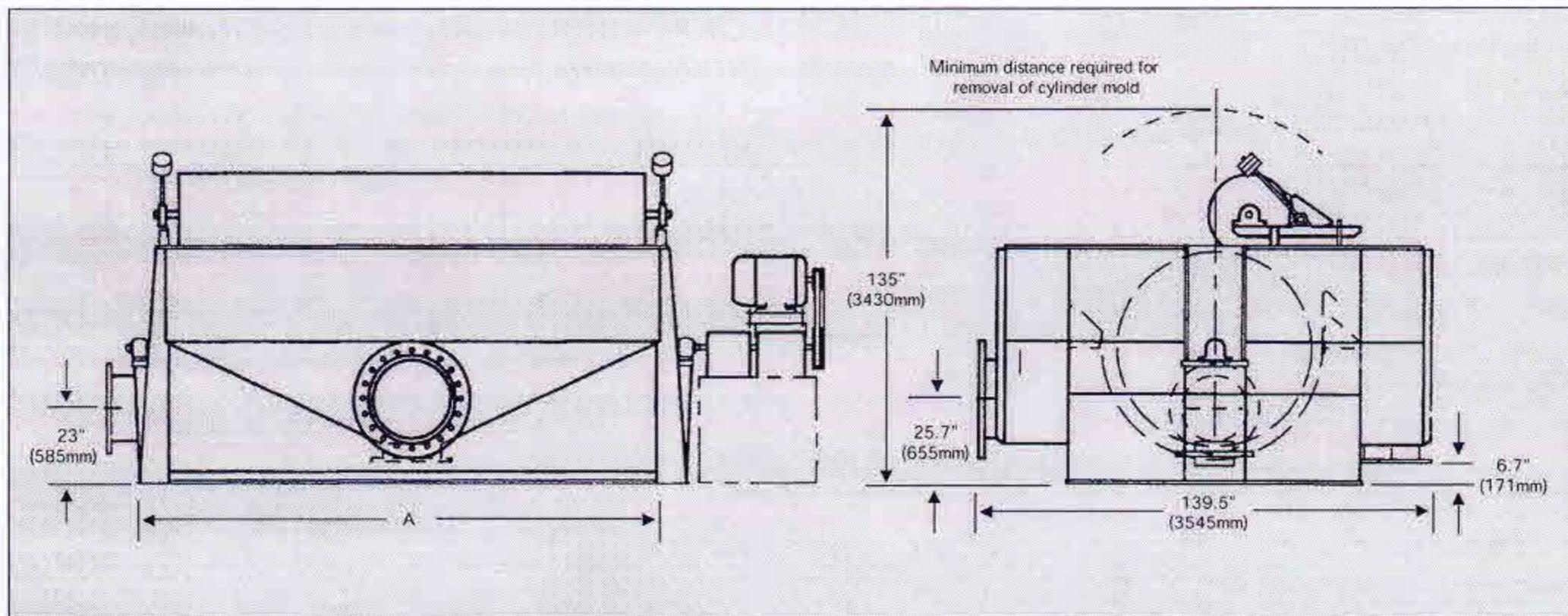
FEATURES/BENEFITS

- No obstructions or points where dirt can build up inside the mold – reduces downtime for maintenance
- Mold is built in segments – reduces maintenance or replacement costs
- Mold is light, easy to handle – reduces installation time, simplifies wire changes
- Stiffening rings placed every 20 to 25 inches (510mm to 635mm) – assures roundness and reduces maintenance costs
- Couch roll and doctor are light, easy to clean – reduces maintenance time and costs

THERMO BLACK CLAWSON INC

A Thermo Fibertek company

Free-Flo Cough Roll Type Thickener



GENERAL DIMENSIONS - NOT CERTIFIED
FOR CONSTRUCTION OR INSTALLATION

GUARDS OMITTED FOR CLARITY BUT
PERIMETER GUARDS ARE RECOMMENDED

Size in./mm		A in./mm	HP/kW	Weight lb/kg Shipping Operating	
Dia.	Face				
60	48 1220	75.5 1915	5 4.0	9700 4435	27400 12520
	72 1830	99.5 2525	5 4.0	14000 6400	39500 18050
	96 2440	123.5 3135	7.5 5.5	17900 8180	50500 23080
	120 3050	147.5 3745	7.5 5.5	21500 9825	60600 27690
	144 3655	171.5 4355	10 7.5	24800 11335	69900 31945
	180 4570	207.5 5270	20 15	29600 13530	83500 38160
	234 5945	261.5 6640	20 15	35000 15600	99000 45240

Recycled Fiber • Chemical Pulping • Stock Preparation

THEMCO BLACK CLAWSON INC

A Thermo Fibertek company

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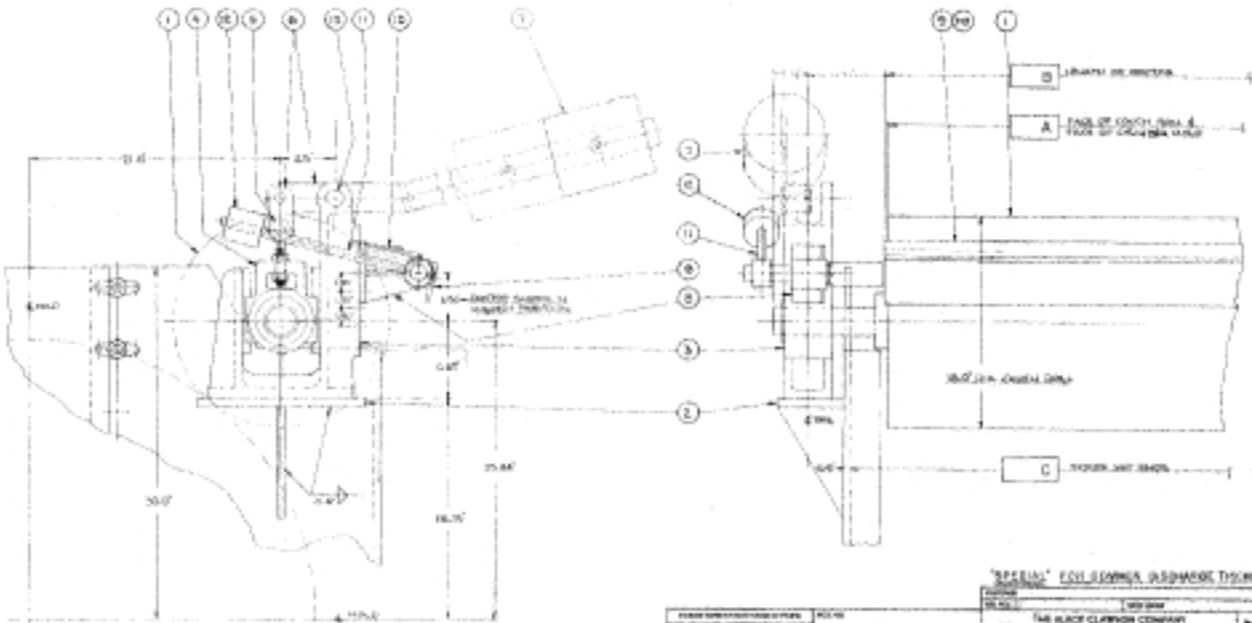
Thermo Black Clawson China • Thermo Black Clawson Canada Ltd. • Thermo Black Clawson S.A. • Thermo Black Clawson Ltd. (UK)

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ITEM NO.	DESCRIPTION
1	100' X 40' X 8'6" STAINLESS STEEL BAGGAGE RACK
2	10' X 10' X 8'6" STAINLESS STEEL TRAILER
3	10' X 10' X 8'6" STAINLESS STEEL TRAILER
4	10' X 10' X 8'6" STAINLESS STEEL TRAILER
5	10' X 10' X 8'6" STAINLESS STEEL TRAILER
6	10' X 10' X 8'6" STAINLESS STEEL TRAILER
7	10' X 10' X 8'6" STAINLESS STEEL TRAILER
8	10' X 10' X 8'6" STAINLESS STEEL TRAILER
9	10' X 10' X 8'6" STAINLESS STEEL TRAILER
10	10' X 10' X 8'6" STAINLESS STEEL TRAILER
11	10' X 10' X 8'6" STAINLESS STEEL TRAILER
12	10' X 10' X 8'6" STAINLESS STEEL TRAILER
13	10' X 10' X 8'6" STAINLESS STEEL TRAILER

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2	10.00%	10.00%	10.00%
3	80.00%	80.00%	90.00%
4	10.00%	10.00%	10.00%
5	10.00%	10.00%	10.00%
6	10.00%	10.00%	10.00%
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8	10.00%	10.00%	10.00%



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SEE BILL OF MATERIAL

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