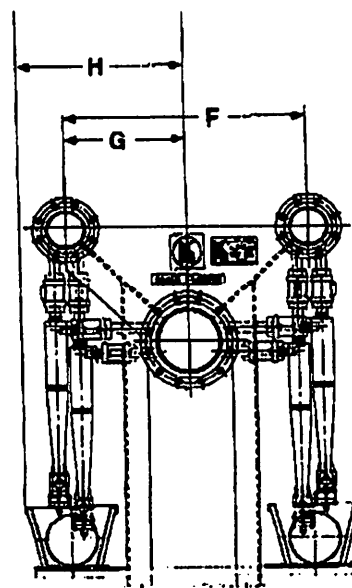
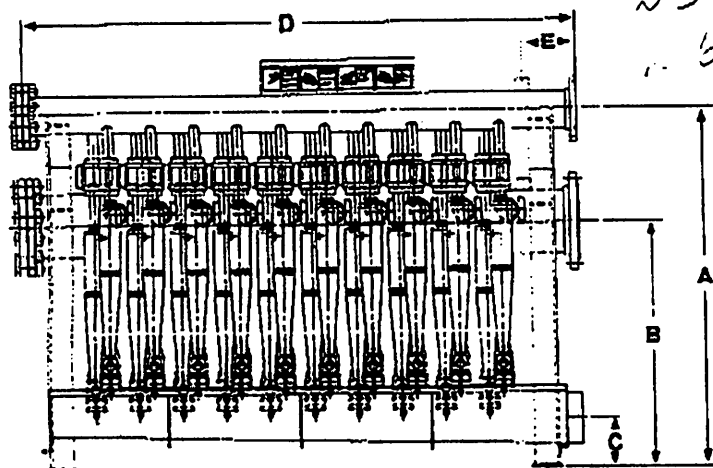


3" Ultra-Clone Fine Forward Cleaner



Bank layout for 40 to 64 Black Clawson 3" Ultra-Clones with various options.

MODEL	NUMBER OF CLEANERS		A	B	C	D	E	F	G	ISOLATION VALVES H	WEIGHT lb/kg	
											Shipping	Operating
40-3-S	40	in. mm	60.4 1534	41.5 1054	8.0 203	92.5 2350	9.0 229	40.3 1025	20.1 510	27.1 688	2050 937	2700 1234
48-3-S	48	in. mm	60.4 1534	41.5 1054	8.0 203	107.0 2720	9.0 229	40.3 1025	20.1 510	27.1 688	2150 983	3300 1508
56-3-S	56	in. mm	60.4 1534	41.5 1054	8.0 203	121.5 3086	9.0 229	40.3 1025	20.1 510	27.1 688	2250 1028	3900 1782
64-3-S	64	in. mm	60.4 1534	41.5 1054	8.0 203	136.0 3454	9.0 229	40.3 1025	20.1 510	27.1 688	2450 1120	4700 2148

NOTE: Other arrangements and sizes available.
contact Black Clawson for information.

GENERAL DIMENSIONS—NOT CERTIFIED
FOR CONSTRUCTION OR INSTALLATION



Black Clawson Company

Shartle Division • 605 Clark Street • Middletown, OH 45042 • U.S.A.
Phone: (513) 424-7400 • Fax: (513) 424-1168

Stock Preparation Systems, Engineering, Sales and Service

Black Clawson Canada Ltd.
3100 Côte Vertu, Suite 280
St. Laurent, Quebec H4R 2J8
CANADA
Phone: (514) 335-4526
Fax: (514) 335-3813

Black Clawson China
Beijing-Kelun Bldg., 12 Guanghua Lu
Chaoyang Dist., Beijing 100020
P. R. CHINA
Phone: (86-10) 5933010
Fax: (86-10) 5932268

Black Clawson International Ltd.
Westgate Works, East Dock Road
Newport, Gwent NP9 2TT
SOUTH WALES, UK
Phone: (44) 1633-244441
Fax: (44) 1633-244393

Black Clawson Europe
30 Avenue Pierre Curie
33270 Florac, Bordeaux
FRANCE
Phone: (33) 56-38-54-00
Fax: (33) 56-86-39-63

Black Clawson - Asia PTE Ltd.
40-B Sago Street Singapore 0105
Bukit Merah Central
P.O. Box 0704 Singapore 8115
Phone: (65) 222-0590
Fax: (65) 222-0859



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JAN 10 1964

THE
OFFICE
OF THE
DIRECTOR
OF THE
BUREAU
OF THE
CENSUS
OF THE
POPULATION
AND
HABITAT
STATISTICS
OF THE
UNITED STATES
DEPARTMENT OF
COMMERCE
WASHINGTON, D. C.

MEMORANDUM

TO : THE DIRECTOR
FROM : THE ASSISTANT
DIRECTOR
SUBJECT: [Illegible]

[Illegible text block]

RECOMMENDATION

[Illegible vertical text block]



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- High efficiency design
- Low pressure drop consumes less power
- Advanced final stage fiber retaining device
- Individually valved units permit easy access and maintenance
- Space-saving, bank-mounted designs
- Ceramic tips available for high wear applications
- Stainless steel headers, troughs and structure resist corrosion

FEATURES



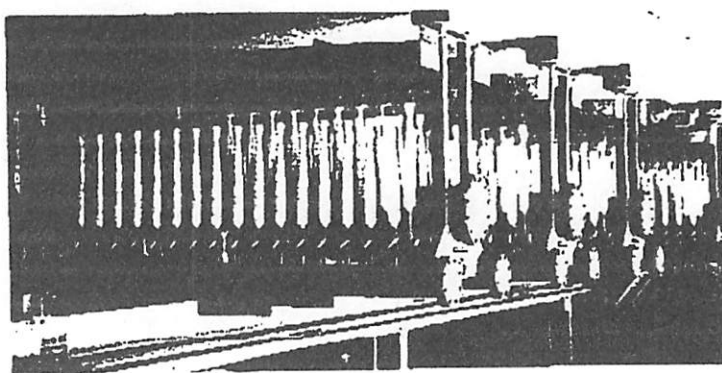
**3" Ultra-Clone™
Fine Forward Cleaner**

Depending on bank size, the Ultra-Clone is set up with multiple unit banks having both staggered and in-line cleaners. Units that are not in service can be used as spares in the event that a few tips become plugged.

The 3" Ultra-Clone is made of a long-lasting, synthetic material specially modified with low friction surfaces that can be injection molded to exacting dimensions. Each cleaner includes true union ball valves which allow easy inspection and maintenance.

PROVEN DESIGN

The 3" Ultra-Clone fine forward cleaner is designed to extract small contaminants from furnishes where high final sheet quality is required. It is most effective in the removal of ink specks, fine dirt, small clay flakes and shives. The 3" Ultra-Clone is available in banks ranging from 4 to 64 units and can operate in a wide range of pH and temperatures. It is a vital element in obtaining the cleanest pulp possible.



Black Clawson