

SOFIX CORPORATION
Chattanooga, TN 37406

APPROVAL DRAWINGS

Not Acceptable. Not released for production. Revise and resubmit.
Subject to revision as indicated. Released for production, submit Certified drawings.
No exception taken. Released for production, submit certified drawings.

CERTIFIED DRAWINGS

Subject to revision as indicated. Released for production. Resubmit Certified drawings.
Certified drawings accepted. Released for production, submit AS BUILT drawing.
BY: *[Signature]* Date: *7/15/91*

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W. I. WILLIAMS

SIMONS-EASTERN CONSULTANTS, INC.

P. 5262A

2C614000

001 OF 001

SHIMIZU AMERICA CORP.
SOFIX CORPORATION

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COPIES 3+1

P.O. 91-00008

FILE # 024

EQUIP. # AGITATORS

FOUR (4) BAFFLES
EQUALLY SPACED

58 R.P.M.

REVIEWED

FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT
OF THE PROJECT AND CONTRACT DOCUMENTS.
NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS
OF DIMENSIONS OR DETAILS.

BY: *[Signature]* DATE: *7/2/91*
NOT ACCEPTABLE. NOT RELEASED FOR PRODUCTION. REVISE AND RESUBMIT.
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DRAWINGS.
CERTIFIED DRAWING ACCEPTED. RELEASED FOR PRODUCTION.
NOT REQUIRED BY SIMONS FOR ENGINEERING DESIGN.

SHIMIZU AMERICA CORP.

[Handwritten notes and signatures]

CERTIFIED OUTLINE & DIMENSION DRAWING

CUSTOMER: SOFIX CORPORATION
LOCATION: CHATTANOOGA, TN 37415
PURCHASE ORDER: 91-00008

ProQuip WORK ORDER: 9060 SERIAL: 9060
QUANTITY: 1 WETTED PARTS MAT'L: 304 S.S. WEIGHT: 250 lbs.

LOAD DATA FOR MIXER SUPPORT DESIGN
VERTICAL DOWNWARD FORCE (upward force from tank pressure not included) 250 lbs.
DYNAMIC TORQUE: 21.73 lbs-in. VARYING DYNAMIC OVERTURNING MOMENT 2480 lbs-in.
Mixer support design must consider both mechanical strength and rigidity. Support
must be stiff enough to avoid perceptible drive movement while mixer is operating.
TANK, BAFFLES, AND SUPPORTS ARE NOT FURNISHED BY ProQuip.

MINIMUM TANK OPENING: 13" DIA. TAG NUMBER: C-5113-1

ITEM	PART No.	ITEM DESCRIPTION
1	-	MOTOR-- 1 HP; 1800 RPM; 230/460 V; 3-Ph; 60 Hz FRAME: 143TC TYPE: TEFC (U.S. MOTOR)
2	-	REDUCER: JL-30
3	-	BASE: 10"-150# (ANSI) FLANGE (NOTE - 3)
4	-	SHAFT: 1 1/2" DIA.
5	-	IMPELLER: 26 1/2" DIA., AXIAL FLOW, 4 BLADES
6	-	MECHANICAL SEAL: DURA, SINGLE, MSS
7	-	DUST SHIELD: SEE REF DWG #2A614001
8	-	VAPOR SEAL: SEE REF DWG #2A614001
9	-	SEAL SHAFT: 1 1/2" DIA.
10	-	IN-TANK COUPLING - 4 3/4" DIA.
11	-	IMPELLER: 18" DIA., RADIAL FLOW, 2 BLADES

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RETURN TO VENDOR

NOTES:

- DIMENSIONS ARE FOR REFERENCES ONLY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE UNLESS CERTIFIED FOR CONSTRUCTION BY THAT OF ProQuip, Inc.
- ALL DIMENSIONS SHOWN ARE IN INCHES.
- MOUNTING FLANGE HOLES STRADDLE CENTER LINES.

FOR APPROVAL ONLY

REV.	BY	DATE	DESCRIPTION OF CHANGE

ProQuip, Inc. 850 E. Highland Rd.
Macedonia, Ohio 44056
216/468-1850

TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONS $\pm 1/32"$ 2 PLACE DECIMAL $\pm .01"$
3 PLACE DECIMAL $\pm .005"$ ANGLES $\pm 30' (1/2")$

SCALE NTS
DATE 13 MAY 91

BY D.P. SCHAAR
CHKD.
APPD.

100JLU30 AGITATOR
AND GENERAL TANK ARRANGEMENT

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DRAWING NUMBER
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