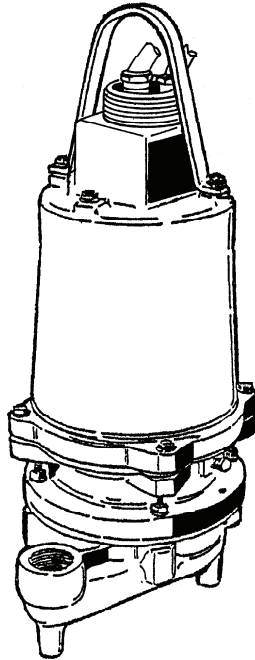
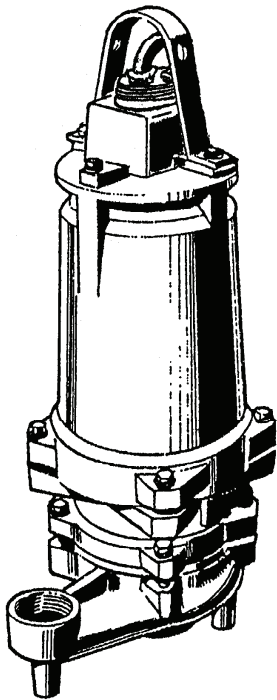


BARNES®

INSTALLATION MANUAL Submersible Grinder Pump

For Class I, Group D, Division 1



**Series: XSGV
2, 3, 5, 7.5HP, 60Hz,
3450RPM**



Underwriters Laboratories Inc.®
File No. E73842

IMPORTANT!

*Read all instructions in this manual before operating pump.
As a result of Crane Pumps & Systems, Inc., constant product improvement program,
product changes may occur. As such Crane Pumps & Systems reserves the right to
change product without prior written notification.*

CRANE®

A Crane Co. Company

PUMPS & SYSTEMS

420 Third Street
Piqua, Ohio 45356
Phone: (937) 778-8947
Fax: (937) 773-7157
www.cranepumps.com

83 West Drive, Bramton
Ontario, Canada L6T 2J6
Phone: (905) 457-6223
Fax: (905) 457-2650



Form No. 082188-Rev. P

TABLE OF CONTENTS

SAFETY FIRST	3
A. PUMP SPECIFICATIONS	4 - 5
B. GENERAL INFORMATION	6
C. INSTALLATION	6 - 10
D. START-UP OPERATION	10 - 11
E. PREVENTATIVE MAINTENANCE	11
F. SERVICE and REPAIR	11 - 13
G. REPLACEMENT PARTS	13
TRUBLE SHOOTING	14
CROSS-SECTION, 2HP (Fig. 8)	15
EXPLODED VIEW, 2HP (Fig. 9)	16
PARTS LIST	17
CROSS-SECTION, 3, 5, 7.5HP (Fig. 10)	18
EXPLODED VIEW, 3, 5, 7.5HP (Fig. 11)	19
PARTS LIST	20
ELECTRICAL DATA	21
SUSPENDED SYSTEM (Fig. 12)	22
NON-SPARKING MOVABLE for 2HP (Fig. 13)	23
NON-SPARKING MOVABLE for 3, 5, 7.5HP (Fig. 14)	24
RETURNED GOODS POLICY	25
WARRANTY	26
START-UP REPORT	29 - 30
WARRANTY REGISTRATION	
 SPECIAL TOOLS AND EQUIPMENT	
INSULATION TESTER (MEGGER)	
DIELECTRIC TESTER	
SEAL TOOL KIT (see parts list)	
PRESSURE GAUGE KIT (see parts list)	

Other brand and product names are trademarks or registered trademarks of their respective holders.

® Barnes is a registered trademark of Crane Pumps & Systems, Inc.

1990, 1997, 1998, 2000, 2001, 2002, 10/03, 3/06, 9/06, 2/07

Alteration Rights Reserved

