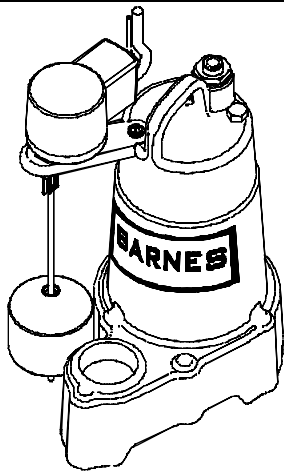


BARNES® SP33VFAL

Submersible Sump/Effluent Pumps
Automatic w/Alarm
1/2" Spherical Solids Handling

SECTION	A
PAGE	5
DATE	4/03
REPLACES	2/03



Series: SP33VFAL, 1/3HP
3450 RPM, 60Hz

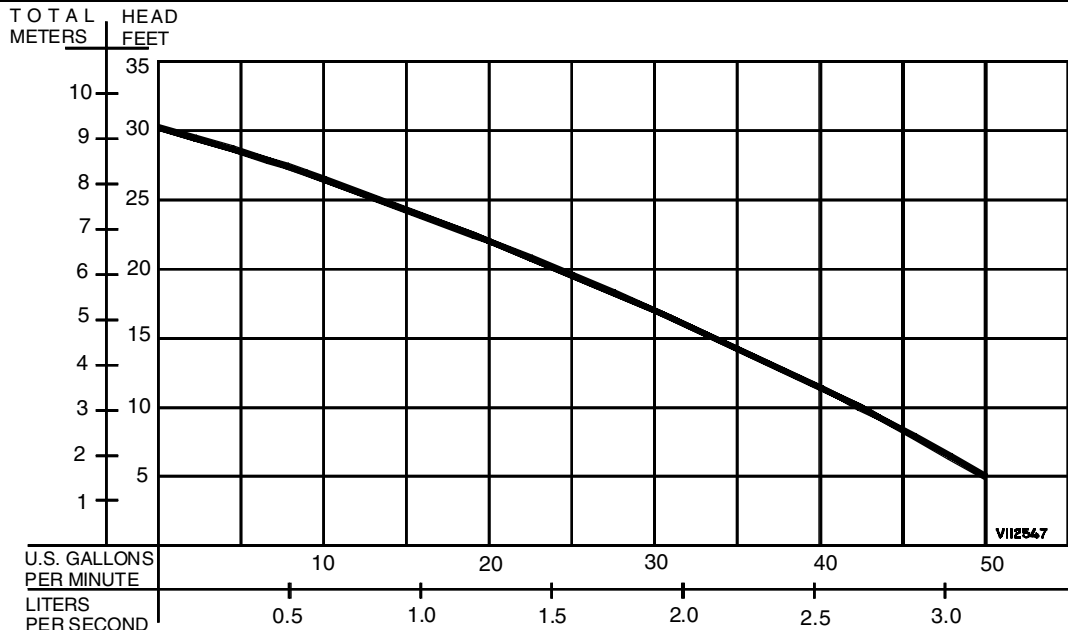


C US
CSA 108
UL 778
LR16567

Description:

GENERAL PURPOSE PUMP FOR RESIDENTIAL AND LIGHT INDUSTRIAL SUMP APPLICATIONS.

DISCHARGE: 1-1/2" N.P.T. Female, Vertical
LIQUID TEMPERATURE: 104°F (40°C) Continuous
MOTOR HOUSING: Cast Iron
PUMP STRAINER: Thermoplastic.
IMPELLER: *Design:* 10 Vane Vortex, with Pump Out Vanes on Back Side. Balanced, ISO G6.3.
Material: Cast Iron
SHAFT: Stainless Steel
O-RINGS: Buna-N
HARDWARE: 300 Series Stainless Steel
PAINT: Air Dry Enamel
CABLE ENTRY: 10 Ft. (3M) or 20Ft (6M) Cord with Plug and Pressure Grommet for Sealing and Strain Relief
SEAL: *Design:* Single Mechanical, Type 21
Material: Rotating Faces - Silicon Carbide
 Stationary Faces - Silicon Carbide
 Elastomer - Buna-N
 Hardware - 300 Series Stainless
UPPER BEARING: Single Row, Ball, Oil Lubricated
LOWER BEARING: Single Row, Ball, Oil Lubricated
MOTOR: *Design:* Oil-Filled.
Insulation: Class B.
SINGLE PHASE: Permanent Split Capacitor (PSC). Includes Thermal Overload Protection in Motor.
FLOAT: Vertical Float, PVC, Snap Action, 10 Ft. (3M) or 20 Ft (6M) Cable, and Integrated Battery Operated Alarm (P/N: 112915) with 8 Ft. (2.4M) Cable (See Section D page 9A for Alarm)
MINIMUM SUMP DIA: 12" (305mm)



Testing is performed with water, specific gravity of 1.0 @ 68° F (20°C), other fluids may vary performance.



A Crane Co. Company

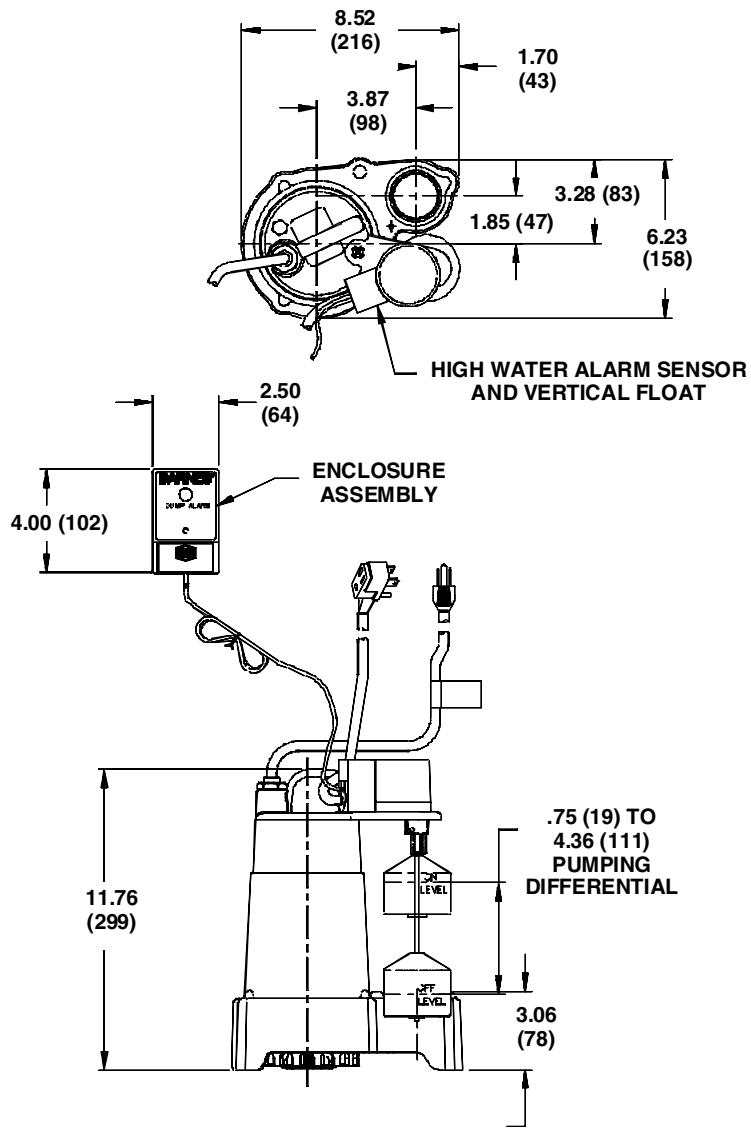
PUMPS & SYSTEMS

1485 Lexington Ave.
Mansfield, Ohio 44907-2674
Ph: (937) 778-8947
Fax: (419) 774-1530
www.barnespumps.com

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Canada L6T 2J6
Ph: (905) 457-6223
Fax: (905) 457-2650

SECTION	A
PAGE	6
DATE	2/03
REPLACES	12/02



inches
(mm)

MODEL NO.	PART NO.	HP	VOLT	PH 60HZ	RPM (NOM)	NEMA START CODE	FULL LOAD AMPS	CORD LENGTH	CORD SIZE	CORD TYPE
SP33VFAL	112914	1/3	120	1	3450	B	5.8	10Ft. (3M)	14/3	SJTOW

IMPORTANT !

- 1.) PUMP MAY BE OPERATED "DRY" FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.
- 2.) THIS PUMP IS APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS I DIVISION II HAZARDOUS LOCATIONS.
- 3.) THIS PUMP IS **NOT** APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS I DIVISION I HAZARDOUS LOCATIONS.
- 4.) INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.



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