

"QUALITY PUMPS SINCE 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.20.045

FM1502

0305

Supersedes

0904

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961  
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

visit our web site:  
[www.zoeller.com](http://www.zoeller.com)

### COMPARE THESE FEATURES

- Durable Cast Iron construction.
- Non-Clogging engineered thermoplastic vortex impeller design, passes 1/2" spherical solids.
- Motor - 60 Hz, 3450 RPM, oil-filled, hermetically sealed, automatic reset, thermal overload protected.
- Available in both single or double shaft seal designs.
- Carbon/Ceramic seals.
- Assembled with Stainless Steel bolts.
- Upper sleeve and lower ball bearing running in bath of oil.
- 20 ft. UL Listed Neoprene cord with molded plug cap and ground wire.
- 1 1/2" NPT vertical discharge.
- Stainless steel lifting handle.
- BN and BE models include a variable level float switch and 1 1/2" X 2" PVC adapter fitting.
- Operates at temperatures to 130°F (54°C) in effluent or dewatering applications.
- Corrosion resistant powder coated epoxy finish.

**Note:** The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.



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Manufacturers of . . .

"QUALITY PUMPS SINCE 1939"

## 140 / 4140 Cast Iron Series

(For Pump Prefix Identification see News & Views 0052)

# "FLOW-MATE"

FOR SEPTIC TANK - LOW PRESSURE PIPE (LPP)  
AND ENHANCED FLOW STEP SYSTEMS

**EFFLUENT  
OR DEWATERING PUMPS  
SUBMERSIBLE  
1 1/2" NPT DISCHARGE**



Model BN140  
Single Seal  
Pump



Model 140  
Single Seal  
Pump



Model 4140  
Double Seal  
Pump

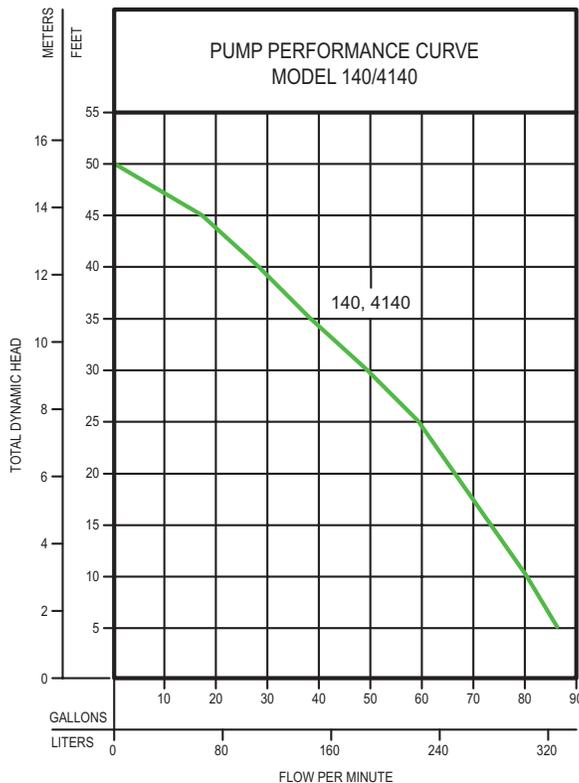


C US  
Tested to UL Standard UL778  
and Certified to CSA  
Standard C22.2 No. 108



### MODELS AVAILABLE

- Automatic (Models BN & BE)
- Nonautomatic
- 1 HP, 1Ph 115V or 230V

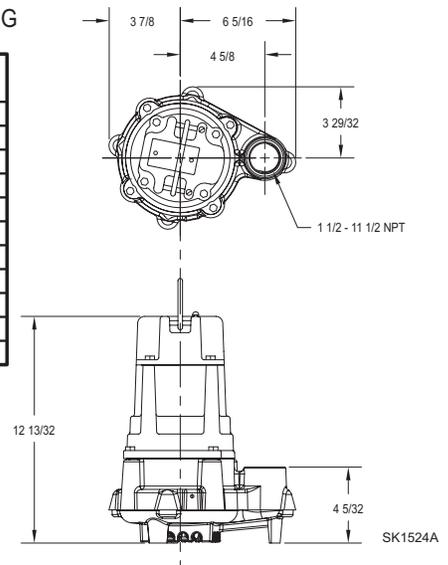


TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT AND DEWATERING

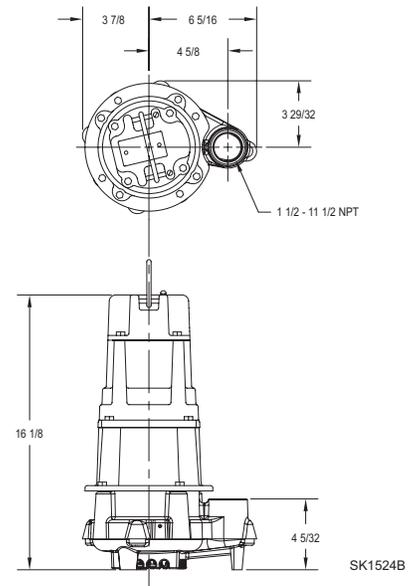
MODEL		140/4140	
Feet	Meters	Gal.	Liters
5	1.5	86	326
10	3.0	80	303
15	4.6	73	276
20	6.1	66	250
25	7.6	59	223
30	9.1	49	185
35	10.7	38	144
40	12.2	28	106
45	13.7	17	64
Shut-off Head:		50 ft.(15.2m)	

010940

Single Seal Design  
Weight 43 lbs.



Double Seal Design  
Weight 63 lbs.



CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Electrical alternators, for duplex systems, are available and supplied with an alarm.
- Mechanical alternators, for duplex systems, are available with or without alarms.
- Control alarm systems are available for 1 phase pumps used in simplex system. See FM0732.
- Variable level control switches are available for controlling single phase systems.
- Double piggyback variable level float switches are available for variable level long cycle controls.
- Sealed Qwik-Box available for outdoor installations. See FM1420.
- Refer to FM0806 for applications above 130°F (54°C).

SELECTION GUIDE

1. For automatic use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
2. See FM1228 for correct model of simplex control panel.
3. See FM0712 for correct model of duplex control panel.

CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).

140/4140 MODELS					Control Selection		
Model	Model	Volts-Ph	Mode	Amps	Simplex	Duplex	
N140	N4140	115	1	Non	12.0	1 or 2	3
E140	E4140	230	1	Non	6.0	1 or 2	3
BN140	BN4140	115	1	Auto	12.0	*	---
BE140	BE4140	230	1	Auto	6.0	*	---

\*Single piggyback switch included.

RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller pump.



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