ZOELLER®
PUMP COMPANY
zoellerpumps.com

Trusted. Tested. Tough.®

MODEL 140
Effluent Pumps

Effluent or dewatering submersible pump for septic tank, low pressure pipe (LPP), and enhanced flow STEP systems

FAMILY OWNED
AMERICAN PROUD™

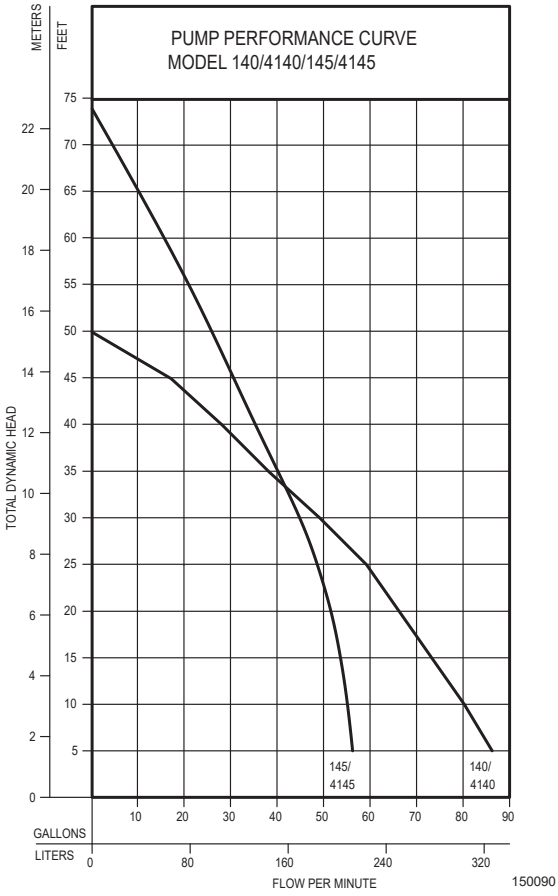
Zoeller Family of Water Solutions™

Features:

- Model 140: Non-clogging, engineered thermoplastic, vortex impeller; passes 1/2" (13 mm) spherical solids
- Model 145: Engineered thermoplastic, single vane impeller; passes 3/4" (19 mm) spherical solids
- 1-1/2" NPT vertical discharge
- Upper sleeve and lower ball bearing running in bath of oil
- Operates at 130 °F (54 °C) in effluent or dewatering applications
- Carbon/ceramic mechanical shaft seals
- Available in single and double shaft seal designs

Consult factory for special applications.

100% factory tested



PRODUCT SPECIFICATIONS

MOTOR	Horse Power	3/4 - 1
	Voltage	115 or 230
	Phase	1 Ph
	Hertz	60 Hz
	RPM	3450
	Type	Permanent split capacitor
	Insulation	Class B
	Amps	6.0 - 13.0
PUMP	Operation	Automatic or nonautomatic
	Discharge Size	1-1/2" NPT
	Solids Handling	1/2" (12 mm), 3/4" (19 mm) spherical solids
	Cord Length	20' (6 m)
	Cord Type	UL listed, neoprene cord
	Max. Head	50' (15.2 m) or 74' (22.6 m)
	Max. Flow Rate	86 GPM (326 LPM) or 61 GPM (232 LPM)
	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload
MATERIALS	Cap	Cast iron
	Motor Housing	Cast iron
	Pump Housing	Cast iron
	Base	Cast iron
	Upper Bearing	Sleeve bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon and ceramic
	Impeller Type	Single vane (145) or non-clogging vortex (140)
	Impeller	Engineered thermoplastic
	Hardware	Stainless steel
	Motor Shaft	JIS S45C steel
	Gasket	Neoprene

TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT AND DEWATERING

MODEL		140/4140		145/4145	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	86	326	56	212
10	3.0	80	303	55	208
15	4.6	73	276	53	200
20	6.1	66	250	51	193
25	7.6	59	223	48	182
30	9.1	49	185	45	170
40	12.2	28	106	35	132
50	15.2	--	--	26	98
60	18.3	--	--	16	61
Shut-off Head:		50 ft.(15.2m)		74 ft.(22.6m)	

FM3158
0224
Supersedes
0123

⚠ 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 Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).