

ZOELLER
PUMP COMPANY



Potable Water Systems

City Booster Pumps

Submersible Pumps

Lawn Sprinkler/Irrigation

Pumps

Jet Pumps

Centrifugal Pumps



Trusted. Tested. Tough.®



WHAT SETS ZOELLER PUMPS APART?

Since 1939, Zoeller Company has been manufacturing water pumps of many types. From pedestal pumps in the beginning to large HP, submersible, non-clog pumps in recent years, we have gained invaluable manufacturing experience from our humble beginning in August Zoeller's basement workshop.

Over the years, one of our most important mottos has been, 'We excel at 1,000 little things'. From start to finish, we take pride in our products. When you have residential or commercial wastewater issues, you can count on Zoeller to deliver the very best solutions. Our commitment to unsurpassed quality offers years of service and durability with a responsive and knowledgeable product support team just a phone call away.

MANUFACTURING IS IN OUR BLOOD

Rather than using a 'puzzle piece' mentality and simply buying components from other sources and assembling them, we manufacture most of our products from start to finish, continually checking the quality throughout the entire process.

Quality is always the most important element at Zoeller. Above all, quality is what has made us successful and continues to drive the decisions we make. A quality product cannot be manufactured with low-grade components. By bringing in high-quality raw castings as well as machining and powder coating the pieces in house, we are able to control the quality of each part and identify any defect throughout the manufacturing process. Each piece is subjected to numerous quality checkpoints along the way to guarantee that it is the best of the best.

FACTORY TESTING IS NOT JUST A BUZZWORD

Instead of running 'audits' on a calculated number of pumps, all submersible Zoeller pumps are 100% factory tested underwater prior to shipment. Each pump is subjected to a leak test to ensure that all gaskets, seals and mating surfaces will hold under pressure. After the pressurized leak test, the pump is powered up and run underwater to ensure that it is capable of the published head capacity and flow rate listed in our catalog and specification sheets. This testing allows us to guarantee the pump will operate out of the box every time, and you can rest assured that YOUR Zoeller pump was tested underwater for both electrical and hydraulic performance.

FULL BREADTH OF PRODUCT LINE

Zoeller is your 'one stop shop' when dealing with dewatering and wastewater systems. We offer everything from a small fractional sump pump to a large, 100 HP, non-clog pump. From battery back-ups, check valves, sewage grinder systems, small prepackaged residential units or large prepackaged municipal systems, Zoeller can offer it all. Next time you are looking for a water or wastewater system, reach for the only catalog you will ever need... Zoeller Company!

Quality - Service - Innovation - Integrity

Since 1939, we have made it priority to uphold the core values – Quality, Service, Innovation, and Integrity – that were so important to our founder, August “Pop” Zoeller. These core values are at the heart of our success, allowing us to grow our business and build brand recognition throughout the world.

At Zoeller Company, we pride ourselves on the quality of the products we offer to the industry. We precision-machine raw cast iron parts with machinery and tooling that is custom-built by our own maintenance staff. We carry those parts through a powder-coat painting process on custom-built fixtures, produce our own switch assemblies and assemble the pumps with screws and other parts that have been thoroughly inspected. We apply tags made in our own facility, and test every pump underwater to ensure that the hydraulic and electrical performance are within the design tolerance set by our Engineering staff before we put it in the box. This allows us to control quality at every stage of the manufacturing process and minimize the lead time to our customers.

At Zoeller Company, we recognize the damage that unwanted water can cause and understand the importance of having a reliable product when it is called upon to perform. We also recognize that every application is different, so we strive to meet demand with a diverse product line that includes the pump or product required. Each product is designed to withstand the toughest conditions of the specific application for which it was intended. We use high-quality cast iron, stainless steel, brass, plastic, and other materials in the construction of our products. Cords, seals, switches, and other components are continually evaluated for performance and durability. We maintain third party certifications to ensure that our products comply with governing standards, and we work very hard to make sure the product we send out the door is one that we would want to use in our own homes.

We want to ensure that you select the appropriate pump or product for your application. In the following pages, you will find technical data, such as material and electrical characteristics, performance curves, and model comparison charts for the pumps and products we manufacture. Our goal is to provide you with the technical information needed to make an informed product selection. If you need further assistance, please do not hesitate to reach out to one of our local distributors or our internal support team!



City Water Booster Pumps

All-in-one unit, consisting of pump, motor, stainless steel pressure tank and electronic controller

Compact design and quiet operation make it suitable for many applications

System has automatic built-in diagnostics to protect against:

- Run Dry
- Dead Head
- Rapid Cycling

Impeller constructed of stainless steel with stainless steel bearing and shaft sleeve

1 in. stainless steel inlet and outlet flanges
 1/2 and 1 HP models , 115V
 Pressures to 112 PSI
 Flow rates to 27 GPM

Variable pressure based on demand



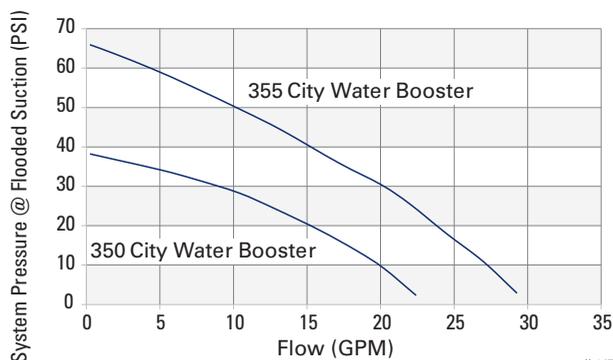
Performance Data

DO NOT EXCEED 30 PSI INCOMING PRESSURE

Inlet PSI	Model 350 System Pressure (PSI) at Flow Rates (GPM)							HP
	3	6	9	12	15	18	21	
10	43	36	35	31	26	-	-	1/2
20	53	46	45	41	36	-	-	
30	63	56	55	51	46	-	-	

DO NOT EXCEED 50 PSI INCOMING PRESSURE

Inlet PSI	Model 355 System Pressure (PSI) at Flow Rates (GPM)							HP
	3	6	9	12	15	18	21	
10	72	67	61	56	50	45	39	1
20	82	77	71	66	60	55	49	
30	92	87	81	76	70	65	59	
40	102	97	91	86	80	75	69	
50	112	107	101	96	90	85	79	



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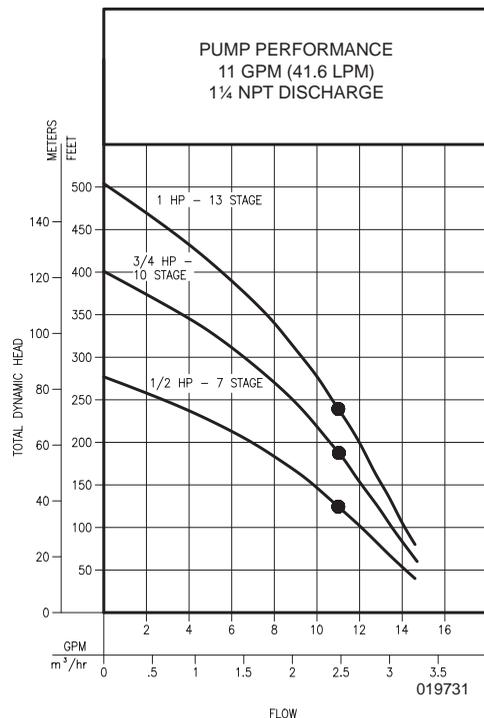
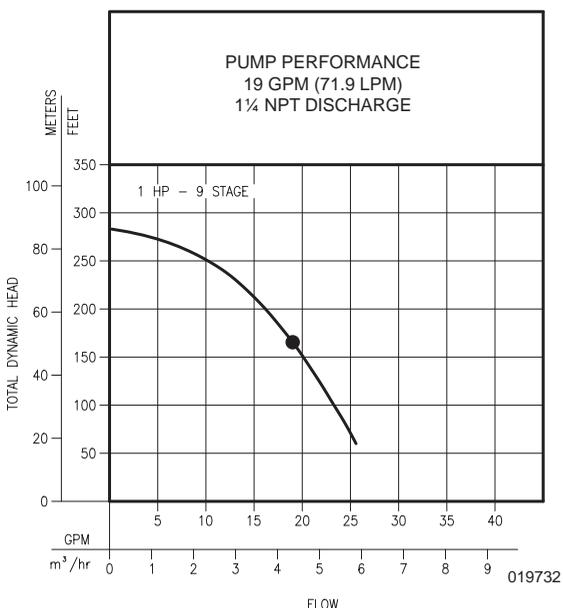
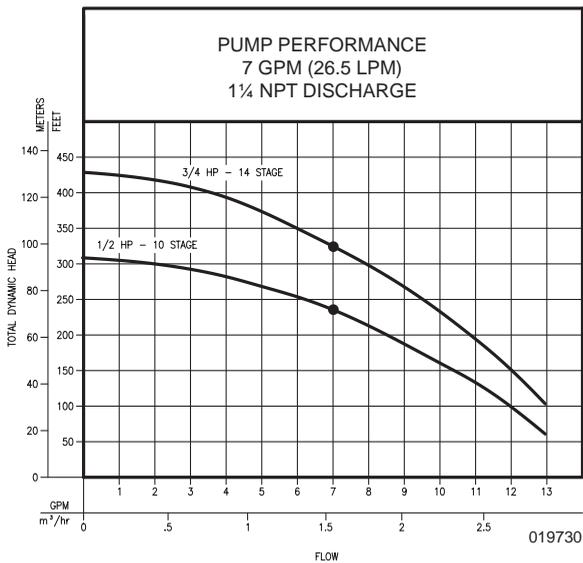
4" Submersible

Stainless steel/cast iron

Submersible pumps are rated by the number of gallons per minute to the well head from various water level depths. Models rated at 7 GPM (26.5 LPM) are for small homes, cottages and light water usage demands, whereas the 11 GPM models are for the average residential size home and family.

1/2 thru 1 HP F&W motors used on Zoeller submersible pumps are designed to meet NEMA standards. 1/2 HP models are available in either 115 or 230 volt. The 3/4 and 1 HP models are available in 230 volt only. All models are available with either a 2 or 3 wire connection plus ground wire. 3 wire models require a control box.

Performance Data



- 1-1/4" cast iron discharge head prevents cross-threading and cracking in the well.
- Corrosion-resistant stainless steel pump shell.
- NEMA-faced mounting ring for long life and protection from motor torque.
- Stainless steel hex drive shaft with one-piece stainless steel motor-to-shaft coupling.
- Includes internal positive sealing check valve.
- Non-fusing and corrosion-resistant impellers and diffusers molded of Noryl® resin.
- Integral suction screen.



Noryl® is a registered Trademark of General Electric Company.

Product may not be exactly as shown.

Lawn Sprinkler / Irrigation Pump



Zoeller Pump Company's self-priming Lawn Sprinkler Pump. The unique design allows for proper lawn sprinkling saturation in areas where water pressure is inadequate or not available. Quality features include a heavy duty motor ranging from 3/4 HP to 2 HP, a large volume pump housing that ensures quick and easy self-priming operation, mechanical seal and an air volume control connection. With a versatile and compact design to fit in tight places, these lawn sprinkler pumps can be field wired for 115V or 230V applications. This pump comes preassembled and ready for installation.



APPLICATIONS:

- Underground sprinkling
- Filling stock tanks
- Above ground sprinkling
- Garden irrigation
- Transferring water

SPECIFICATIONS:

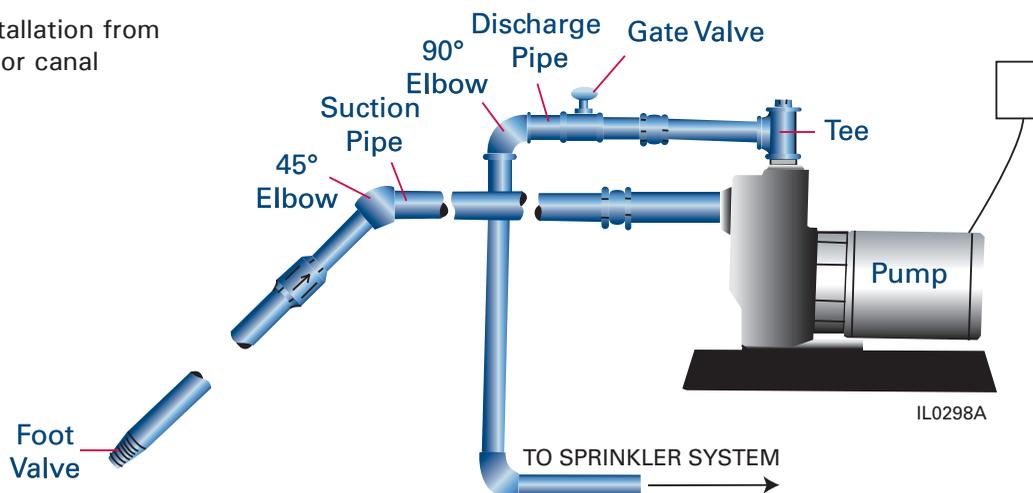
- Provides up to 88 GPM (333 LPM) for moving large volumes of water quickly.
- Quick self-priming characteristics. Must initially be primed with water.
- Heavy duty 56 frame, NEMA J, capacitor start, double ball bearing motor for continuous operation.
- Normal wear parts are easily removed for service and replacement without disturbing the suction or discharge piping.
- Heavy duty rugged construction.

SPECIFICATIONS

MODEL NUMBER	1 Phase	HP	SUCTION LIFT FT.	CAPACITY - GPM								SHUT-OFF PRESSURE PSI	SUCTION PIPE TAP	DISCHARGE PIPE TAP	SHIP WT. (LB)
				10	15	20	25	30	35	40	45				
330-0006	3/4		5	56	48	42	37	29	21			41	2"	1-1/2"	63
			15	47	42	37	29	22	12		37				
			25	43	37	31	22	10			33				
331-0006	1		5	58	53	48	43	38	32	23	11	48	2"	1-1/2"	70
			15	53	48	45	37	31	24	12	43				
			25	48	44	38	33	25	14		39				
332-0006	1-1/2		5	78	77	74	70	62	53	43	30	47	2"	1-1/2"	73
			15	70	68	66	62	53	43	30	41				
			25	47	46	45	44	42	34		36				
333-0006	2		5	86	84	81	77	71	62	52	40	50	2"	1-1/2"	79
			15	76	74	72	69	64	55	43	25	45			
			25	52	51	50	47	45	42	30		40			

All motors are dual voltage. Single Phase (115/230V), Three Phase (208-230/460V)
Maximum case pressure; 100 PSI

Typical installation from pond, lake or canal



Jet Pumps

Cast Iron Shallow Well Jet Pumps

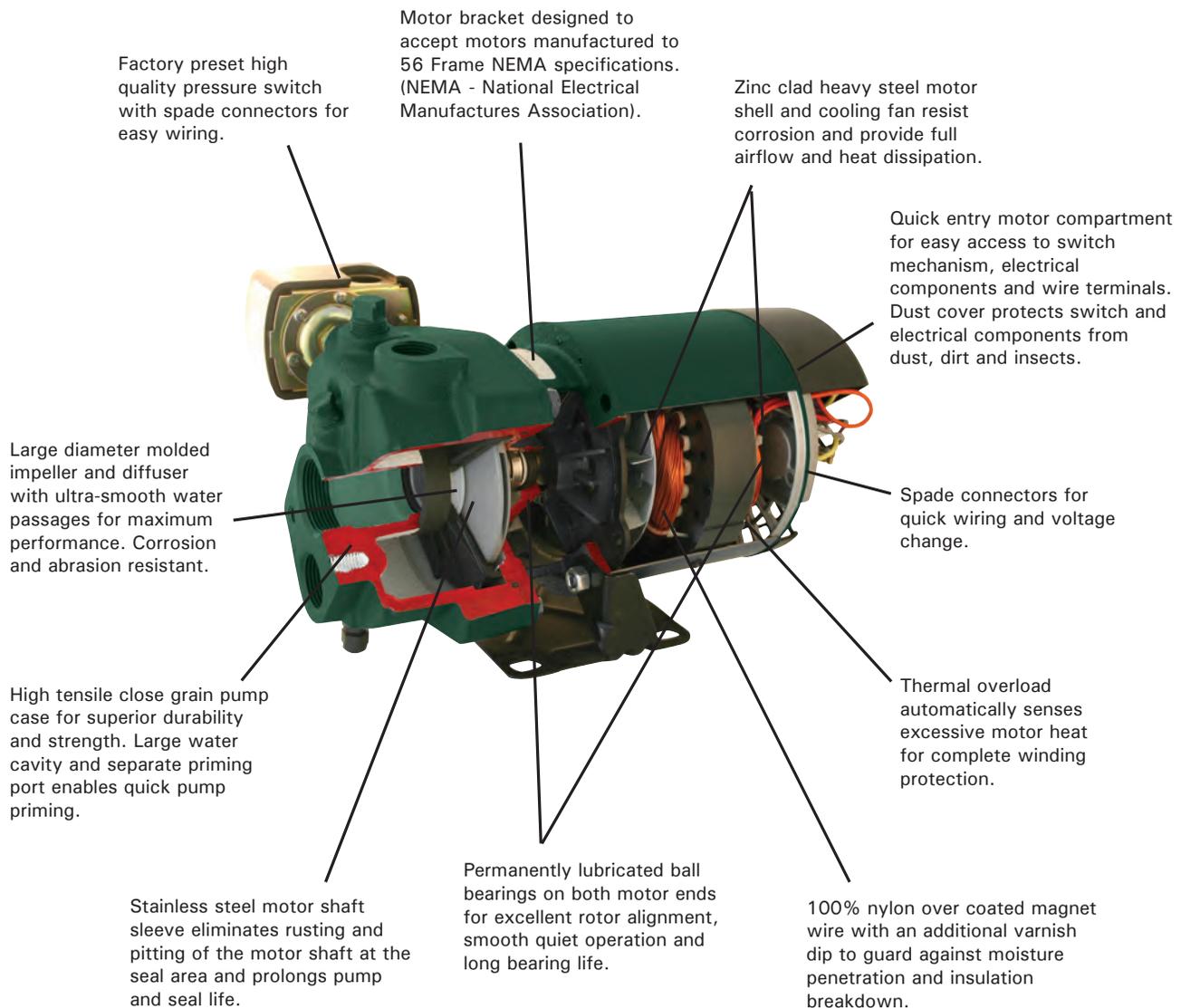
SPECIFICATIONS

- Sturdy cast iron construction.
- Includes removable ejector for easy serviceability.
- Includes pressure switch.
- Thermal overload protects against overheating.
- Special priming port and large volume case makes priming easier.
- Continuous duty uni-frame 56 frame motor (NEMA J adaptable).
- Capacitor start motor provides maximum starting torque.
- Stainless steel motor shaft sleeve for corrosion resistance.
- Easy access drain plug for winterizing.
- Carbon/silicon mechanical shaft seal.



NE460 - 1/2 HP 115/230 V

NE461 - 3/4 HP 115/230 V



Jet Pumps

Cast Iron Convertible Jet Pumps With Power Plus 56 Frame Motor

SPECIFICATIONS

- Sturdy cast iron construction.
- Highly serviceable NEMA J or NEMA J adaptable motor.
- Includes pressure switch.
- Thermal overload protects against overheating.
- Ejector purchased separately.



Convertible Jet Pumps with NEMA J adaptable uni-frame motor

NE462 - 1/2 HP 115/230 V 1-1/4" inlet, 3/4" discharge

NE463 - 1 HP 115/230 V 1-1/4" inlet, 1" discharge

MODEL	SUCTION LIFT FT.	PRESSURE SWITCH SETTING PSI	CAPACITIES GPM AT DISCHARGE PRESSURE PSIG				SUCTION & DISCHARGE	PUMP SHIPPING WEIGHT (LB)
			20	30	40	50		
460-0006 1/2 HP NE460	5	30-50	11.6	11.0	9.8	7.0	1-1/4" x 3/4"	40
	15		9.0	8.8	8.0	5.6		
	25		5.6	5.6	5.5	4.5		
461-0006 3/4 HP NE461	5	30-50	17.5	17.0	15.0	10.0	1-1/4" x 3/4"	42
	15		13.0	12.9	12.5	8.0		
	25		8.0	7.8	7.5	5.5		

Shallow And Deep Well Capacities With Convertible Ejectors

PUMP MODEL	EJECTOR MODEL	DISCHARGE PRESSURE PSI	CAPACITIES IN GPM FROM PUMP TO PUMPING WATER LEVEL IN FEET													DW MINIMUM OPERATING PRESSURE PSI		
			SW EJECTOR ATTACHED TO PUMP			DEEP WELL EJECTOR IN 4" ID WELL												
			5	15	25	20	30	40	50	60	70	80	90	100	110			
462-0006 1/2 HP NE462	10-2353	20	11.3	8.7	5.3													--
		40	9.5	7.8	5.2													20
	10-2355	20	10.2	8.0	4.8	11.7	8.3	7.0										
40		9.7	7.3	4.5	6.0	4.7	3.8											30
10-2356	20						6.7	6.0	5.3	4.3	3.3	2.5						30
	40						4.3	3.8	3.3	2.5	1.7	0.8						30
463-0006 1 HP NE463	10-2357	30	15.7	12.3	8.3	16.7	14.2	12.2	8.3									35-37
		50	15.0	12.2	8.0	12.5	8.3	5.0	2.5									35-37
	10-2355	30	10.0	7.5	4.7	11.7	11.7	11.5	10.3	9.0	7.7	6.2	4.8					37-39
		50	9.5	7.3	4.3	9.2	9.2	8.2	7.0	5.7	4.3	3.2	1.7					37-39
10-2358	30											5.0	4.8	4.3	3.7			39
	50											3.7	3.3	3.0	2.7			39
10-2354	20	17.2	12.8	7.7														--
	40	14.8	12.2	7.2														--

NOTE: See installation instructions for setting flow control for maximum pressures.

Reduce your stock keeping units with Zoeller mix and match tank fitting packages

Add:

- 10-2367 compact Air-E-Tainer®
- 10-2381 fittings package
- Zoeller Shallow Well Jet Pump



And get: Cottage Air-E-Tainer® System

Add:

- 10-2368 or 10-2369 vertical bottom connect
- Air-E-Tainer®
- 10-2373 fittings package
- Zoeller Convertible Jet Pump



And get: Top mounted vertical Air-E-Tainer® Systems bottom connect

End Suction Centrifugal Pumps

Single Stage End Suction

CENTRIFUGAL PUMPS, PLASTIC IMPELLERS

MODEL NO.	1 PHASE	HP	STAGES	SUCTION LIFT FT.	CAPACITY GPM										MAX. PRESS. PSI	MAX. CASE PRESS.	MAX. LIQUID TEMP.
					DISCHARGE PRESSURE PSI												
					10	15	20	25	30	35	40						
300-0006	1/3	1	1	5	42	34	21							27	100psig	200° F	
				15	36	26											
				25	28												
301-0006	1/2	1	1	5	50	47	37	25					32	100psig	200° F		
				15	43	40	29	9									
				25	33	30	15										
302-0006	3/4	1	1	5	71	62	51	36	11				38	100psig	200° F		
				15	66	54	40	19									
				25	57	43	25										
303-0006	1	1	1	5	76	69	61	50	36	16			40	100psig	200° F		
				15	73	65	54	41	24								
				25	66	57	45	29									
304-0006	1 1/2	1	1	5	94	88	80	70	59	44	18		44	100psig	200° F		
				15	92	85	75	63	49	27							
				25	74	72	66	52	34								
305-0006	2	1	1	5	109	103	96	86	75	61	39		44	100psig	200° F		
				15	109	103	94	82	67	45							
				25	90	89	85	71	51								

Do not exceed the maximum case pressure and maximum liquid temperature rating of the pump Suction and Discharge Tappings 1-1/2" X 1-1/4"



SPECIFICATIONS

- Heavy duty 56 frame, NEMA J, capacitor start, double ball bearing motors for continuous operation.
- Rugged volute type casing. Discharge can be rotated to any one of four positions for horizontal or vertical service line.
- Normal wearing parts are easily removed for service and replacement without disturbing the suction or discharge piping.

Two Stage End Suction

SPECIFICATIONS

- 56 frame, NEMA J, capacitor start, double ball bearing motor for continuous operation.
- 3/4, 1, 1-1/2, and 2 HP sizes with single phase motor.
- Rugged cast iron pump casing. Multi stage for high head.
- Normal wearing parts are easily removed for service and replacement without disturbing the suction or discharge piping.
- Thermoplastic impeller.



MODEL NO.	1 PHASE	HP	STAGES	SUCTION LIFT FT.	CAPACITY GPM										MAX. PRESS. PSI	MAX. CASE PRESS.	MAX. LIQUID TEMP.
					DISCHARGE PRESSURE PSI												
					10	20	30	40	50	60	70	80	90				
NE306 306-0006	3/4	2	2	5	41	35	28	20						49	160psig	160° F	
				15	38	32	26	13									
				25	32	29	22										
NE307 307-0006	1	2	2	5	45	40	35	28	20				60	160psig	160° F		
				15	42	39	33	26	15								
				25	35	33	30	22									
NE308 308-0006	1-1/2	2	2	5	54	50	44	38	28				61	160psig	160° F		
				15	48	46	42	35	23								
				25	37	35	33	28	17								
NE309 309-0006	2	2	2	5	55	52	47	41	34	23			67	160psig	160° F		
				15	49	47	45	39	30	17							
				25	37	36	33	32	26								

Note: Do not exceed the maximum case pressure and maximum liquid temperature rating of the pump Suction and Discharge Tappings 1-1/2" X 1-1/4".



ABOUT THE ZOELLER FAMILY OF WATER SOLUTIONS

Founded in 1939, Zoeller Company is one of the oldest independently-owned professional pump manufacturers in North America. Headquartered in Louisville, Kentucky USA, Zoeller has over 800 employees worldwide and close to 600,000 sq. ft. of manufacturing facilities from our seven operations in North America and Asia.

Zoeller Company has established itself as an innovative leader in pumping equipment and water treatment systems by continuous research and development. The quality of our products is demonstrated by UL, CSA, CE, and NSF listings as well as continued growth throughout the United States, Canada, Mexico, and over 40 other countries around the globe. The company has also expanded to include five brands, which have become the foundation of Zoeller.



The original Zoeller product line now resides in Zoeller Pump Company, which offers a broad range of submersible pumps from fractional to 7-1/2 HP for residential and commercial sump, effluent, dewatering and grinding applications.



Flint & Walling, founded in 1866 in Kendallville, Indiana USA, is the only pump company in the U. S. to manufacture its own motor for jet and centrifugal pumps. This product line specializes in deep well pumps that range from 5 GPM to 1,000 GPM, as well as centrifugal, jet, booster, and submersible pumps up to 7-1/2 HP.

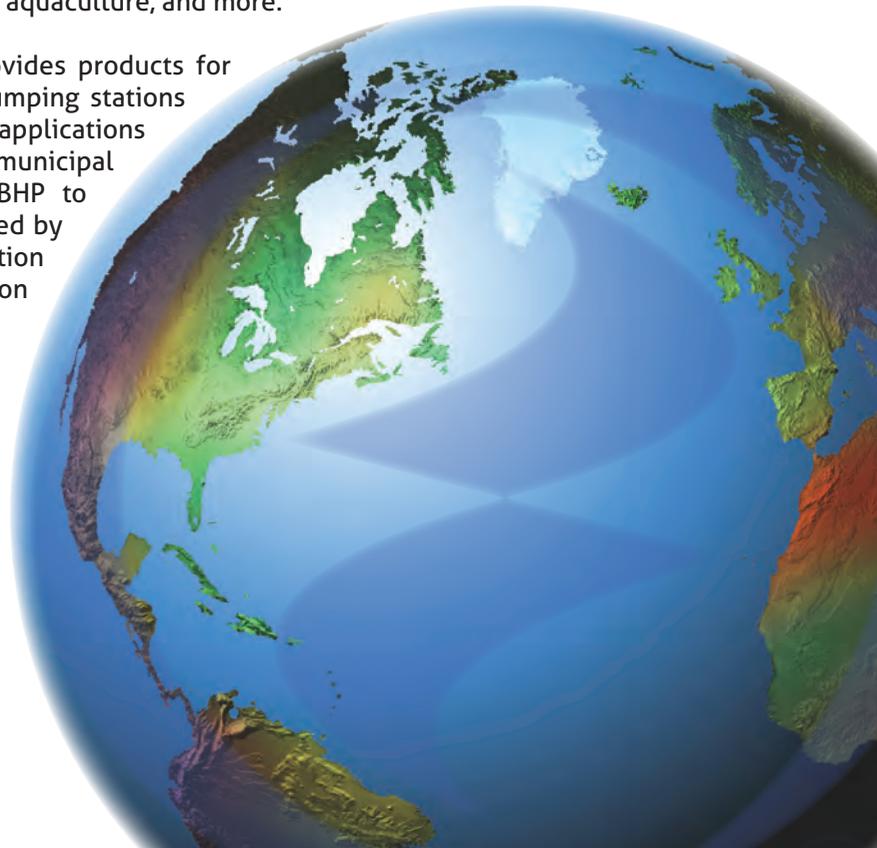
Founded in 1952, Wolf Pump is a manufacturer of submersible turbine pumps located in Abernathy,



Texas. Wolf currently produces 4" to 8" pumps with capacities ranging from 35 to 1000 GPM. These pumps are known for their efficiency and durability in demanding water applications including irrigation, municipal water supplies, dewatering applications, dairy production, mining, the oil and gas industries, aquaculture, and more.



Zoeller Engineered Products provides products for storm water removal, sewage pumping stations and hazardous environment applications for residential, commercial and municipal markets. Available from 1/2 BHP to 100 BHP, each pump is customized by design, manufacture and installation according to exact application needs.



FM2487
0121
Supersedes
0718

