

# N<sup>PC</sup> NATIONAL PUMP COMPANY LLC

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www.motralec.com

## Betta FLO

### FEATURES

- Internal Stainless Steel Suction Screen
- Floating Impeller Stock
- Impellers And Diffusers Glass Filled Engineered Composites
- Stainless Steel Bowls
- Stainless Steel Suction And Discharge
- Built-In Stainless Steel Check Valve
- Stainless Steel Hex Shaft

### SPECIFICATIONS

- Capacity: 5 to 100GPM
- Heads: Up to 1000 Feet



# 4"

5 GPM  
10 GPM  
15 GPM  
20 GPM  
30 GPM  
95 GPM

submersible  
pumps for  
deep wells

## National Keeps You Pumping Around The World

**At National Pump**, pump technology is our business. From principals and engineers to sales and service personnel, our key staff members have more than three centuries of combined industry experience. We want to help you achieve your goals and objectives, and we're big enough to meet your needs, yet small enough to provide the one-to-one service you deserve.

**At every stage** of our work, from research and development to design, production and testing, we use up-to-the-minute technologies and the most modern equipment available to ensure that every National Pump meets the highest possible standards of efficiency and reliability. Using conventional or special materials, we manufacture pumps for specific needs and conditions

***F**rom the plains of Texas to the deserts of Saudi Arabia, from gold mines to golf courses to municipal water systems, our pumps are hard at work around the world serving commercial, industrial, municipal, residential, mining and irrigation needs. Each National Pump produced is an individual pumping system designed to do a specific pumping job. Precisely matched discharge heads, impellers, bowls and column/tubeline assemblies deliver consistent pumping capacity.*

***W**e offer a full range of vertical turbine and submersible pumps, water or oil lubricated, of threaded or flanged construction, with capacities to 12,500 GPM and heads up to 1,440 feet. All pump models are in stock as standard materials, and they can be customized at the service center level. We also manufacture custom pumps, using special alloys and coatings to suit your specific needs. We have multiple patterns in order to meet special alloy requirements in a timely manner.*

Even more important is the service we provide. We will be happy to provide pre-design information to help you develop the most efficient pumping system for your customer's needs. Whatever your application, we know that having equipment down causes unacceptable delays - so each of our offices is a complete service / warehouse / assembly / finishing center.

They're strategically located throughout the United States and staffed by experienced managers who are all field engineers, ready to help solve your problems on the phone or on site. No matter what brand of pump you have, when you need service, you get it now - not a two month delay while parts are ordered, or a several-day wait for a visit from service personnel.

***B**efore you design your next pumping system, talk with a National Pump expert and take advantage of the knowledge and experience we have to offer. We're convinced you won't find better quality or service anywhere!*

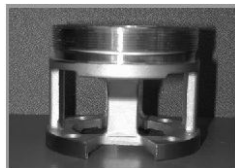
**Creating Quality Pump Systems and Satisfied Customers**  
Visit us on the web at: [www.nationalpumpcompany.com](http://www.nationalpumpcompany.com)

**PRO SERIES**



Includes built-in stainless steel check valve

**S.S. CAST ADAPTER**



**S.S. CAST DISCHARGE HEAD**



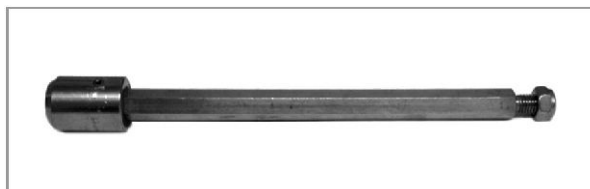
**S.S. BOWL**



**MOLDED IMPELLER / DIFFUSER**



**S.S. SHAFT W/COUPLING**

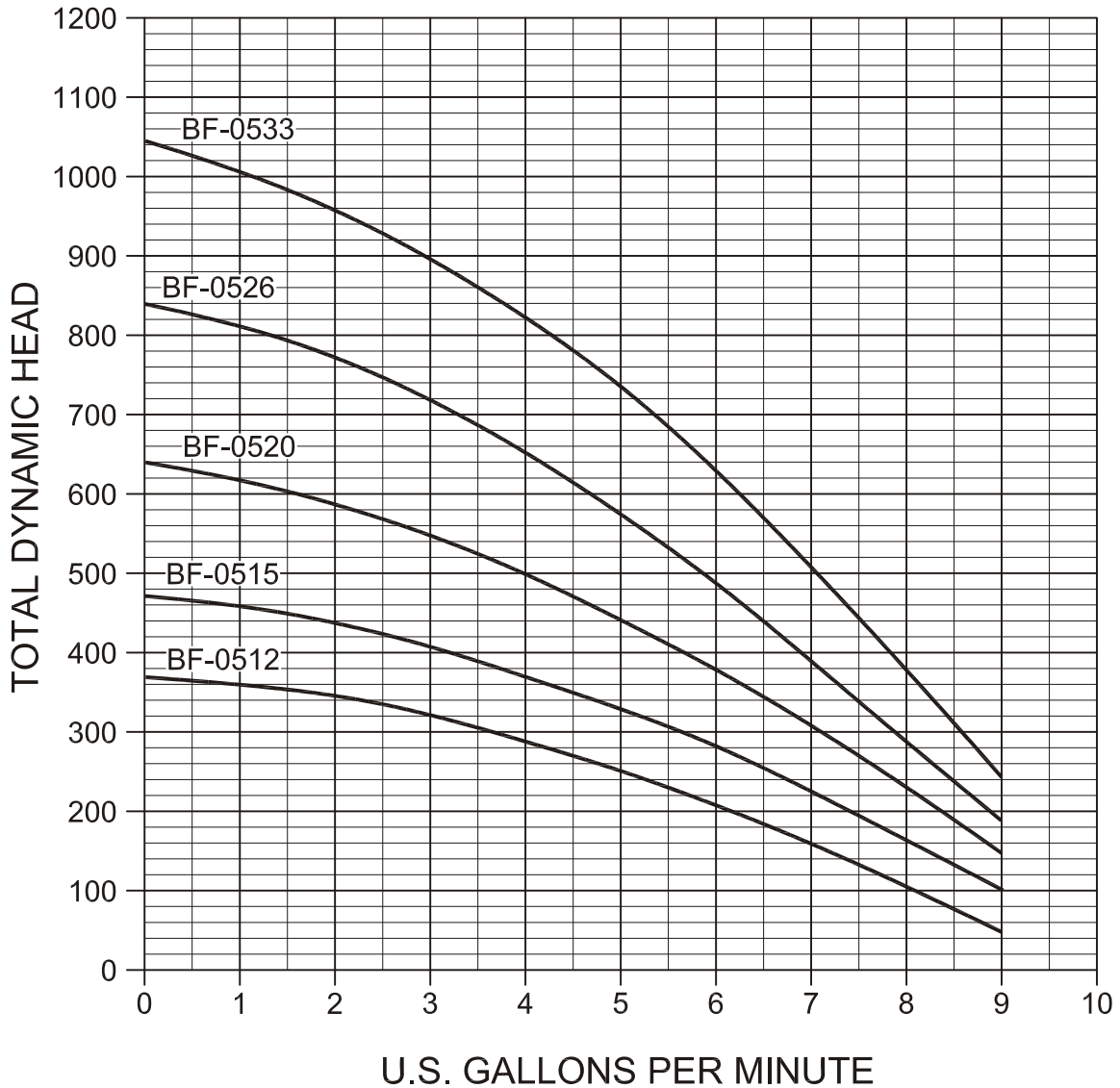




# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 5 GPM SERIES



## SPECIFICATIONS

MODEL	HP	STAGES	LGTH INCHES	WEIGHT LBS	DISCH SIZE
BF-0512	1/2	12	14.1	7.9	1-1/4"
BF-0515	3/4	15	16.2	9	
BF-0520	1	20	19.6	10.8	
BF-0526	1-1/2	26	25.3	12.8	
BF-0533	2	33	29.8	16	

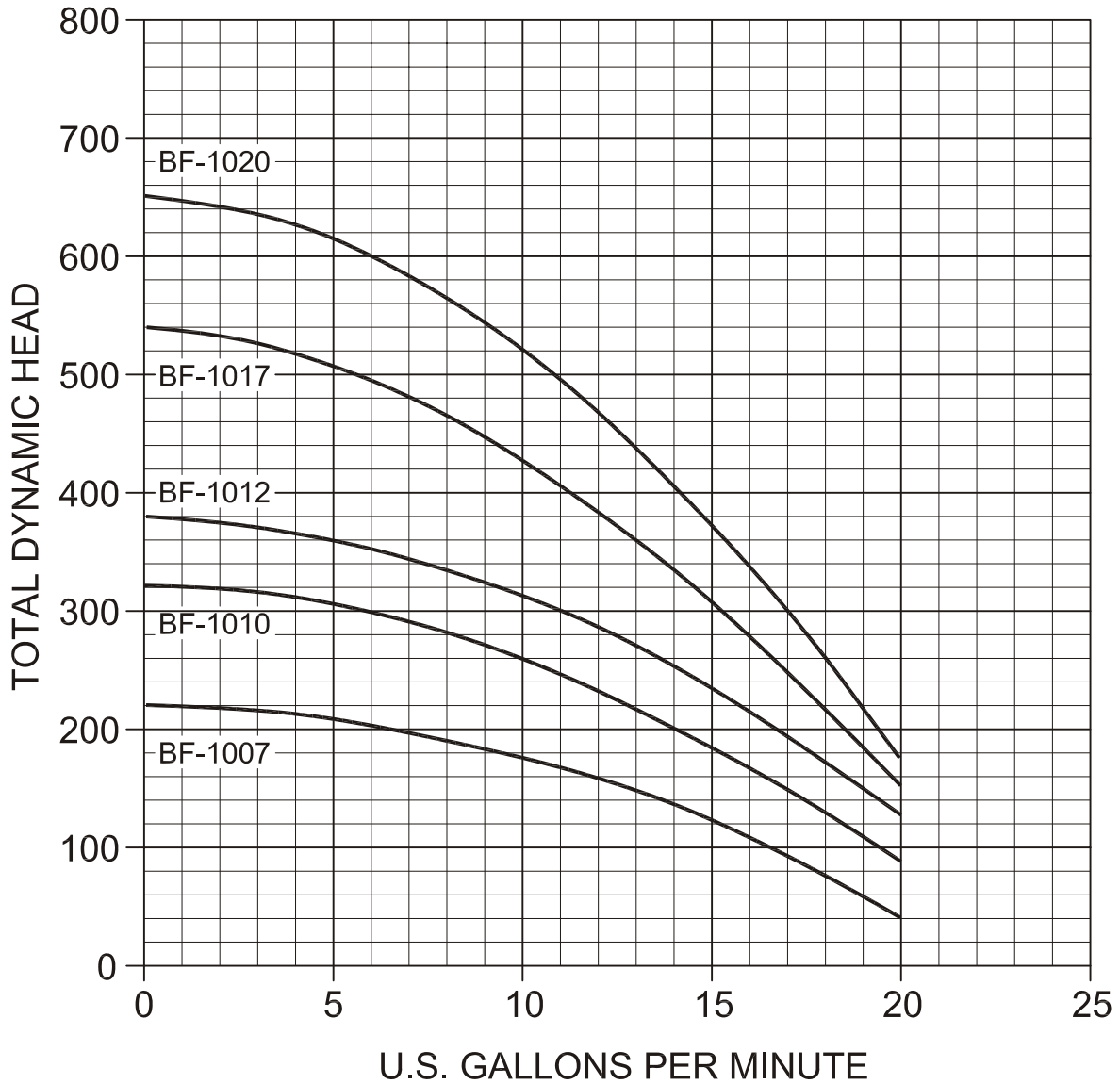
Includes built-in stainless steel check valve



# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 10 GPM SERIES



## SPECIFICATIONS

MODEL	HP	STAGES	LGTH INCHES	WEIGHT LBS	DISCH SIZE
BF-1007	1/2	7	10.7	6.2	1-1/4"
BF-1010	3/4	10	12.8	7.3	
BF-1012	1	12	14.1	7.9	
BF-1017	1-1/2	17	17.6	9.7	
BF-1020	2	20	19.6	10.8	

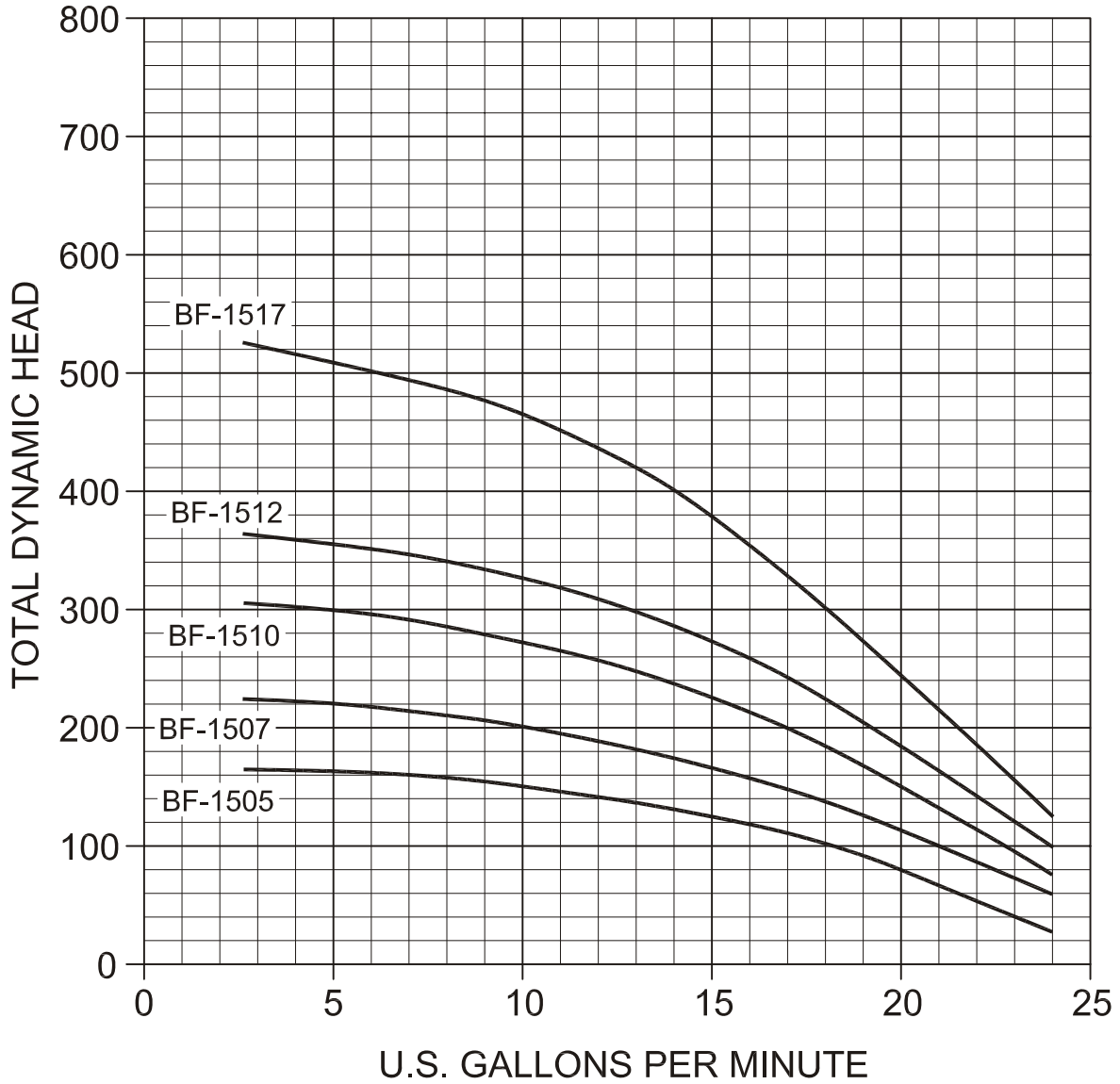
Includes built-in stainless steel check valve



# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 15 GPM SERIES



## SPECIFICATIONS

MODEL	HP	STAGES	LGTH INCHES	WEIGHT LBS	DISCH SIZE
BF-1505	1/2	5	9.3	5.5	1-1/4"
BF-1507	3/4	7	10.7	6.2	
BF-1510	1	10	12.8	7	
BF-1512	1-1/2	12	14.1	7.7	
BF-1517	2	17	17.6	9.5	

Includes built-in stainless steel check valve

**PERFORMANCE CHART**

**20 GPM SERIES**

CAPACITY IN U.S. GALLONS PER MINUTE

PUMP MODEL	HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT IN FEET																							
			20	40	60	80	100	120	140	160	180	200	240	260	300	340	380	420	460	480	520	560	600	700	800	900

BF-2005	1/2	0	34	32	29	28	22	18	10																			
		20	28	25	20	16	8																					
		30	22	20	14	4																						
		40	20	14	6																							
		50	14	4																								
		60																										
SHUT OFF		PSI	61	53	44	35	27	18	9																			

BF-2006	3/4	0	36	34	32	30	28	25	21	16	8																	
		20	32	30	28	24	20	14	4																			
		30	30	27	23	19	12																					
		40	27	23	19	10																						
		50	23	18	8																							
		60	16	4																								
SHUT OFF		PSI	76	67	59	50	41	33	24	15	7																	

BF-2008	1	0	36	36	34	33	31	29	27	25	22	18	6															
		20	34	33	31	29	27	25	21	17	12	4																
		30	32	30	29	26	22	20	16	10																		
		40	30	28	26	23	20	16	10																			
		50	29	25	23	18	14	8																				
		60	25	22	18	12	6																					
SHUT OFF		PSI	103	95	86	76	69	60	51	43	34	25	8															

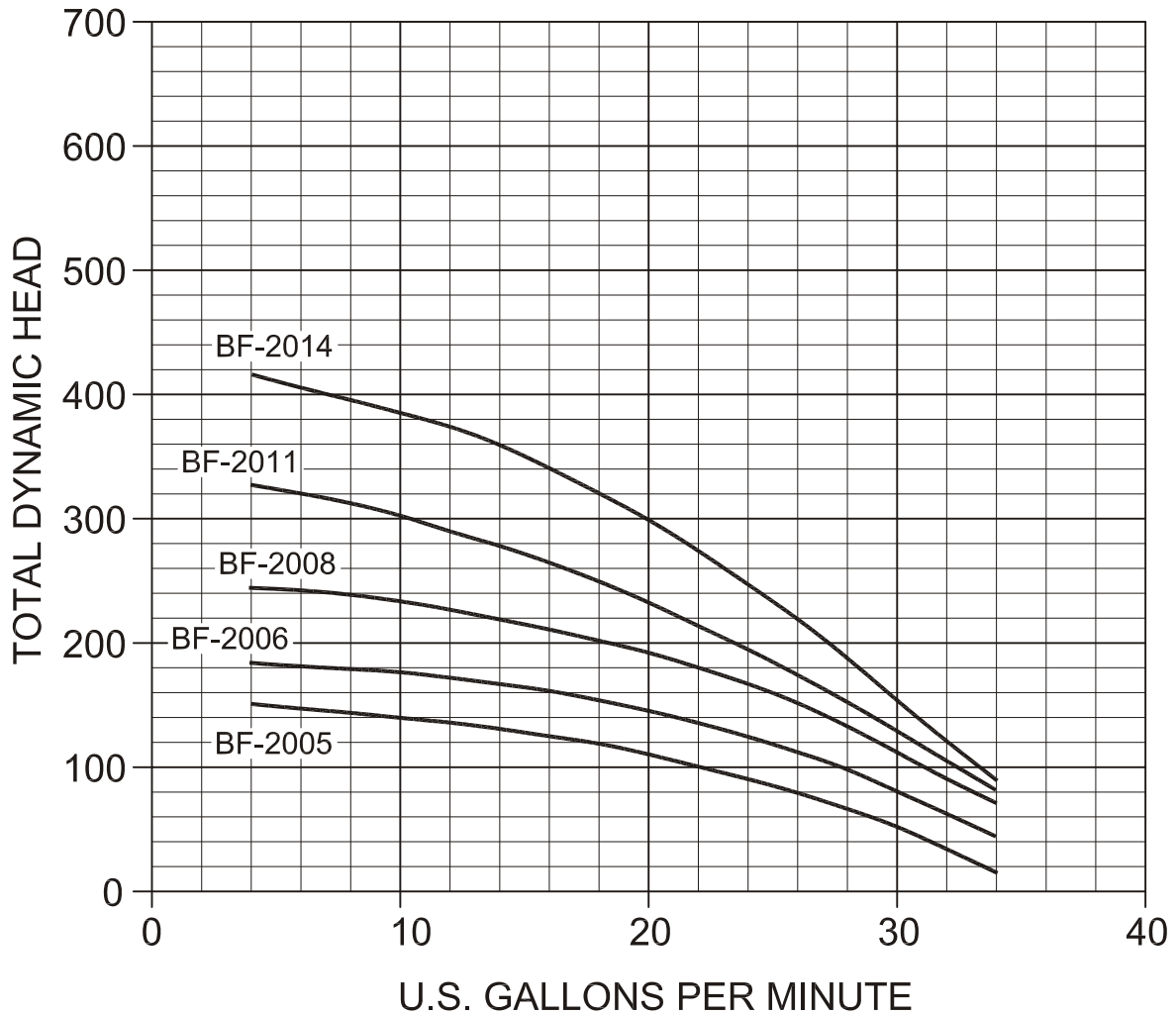
BF-2011	1.5	0			35	34	33	31	29	28	26	23	19	17	10													
		20			32	31	29	27	25	23	21	18	12	10														
		30	33	31	30	29	26	24	22	20	18	15	8	4														
		40	32	30	28	27	25	23	20	18	15	12																
		50	30	28	26	24	22	19	17	15	11	8																
		60	28	26	23	21	19	17	14	10	6																	
SHUT OFF		PSI	139	130	122	113	104	96	87	79	70	61	44	35	18													

BF-2014	2	0				33	32	31	29	28	27	24	23	20	16	10												
		20			33	32	31	29	28	27	25	24	21	19	15	10												
		30		33	31	30	29	28	26	25	24	22	19	17	12	4												
		40	33	31	30	29	27	26	25	23	22	20	17	15	9													
		50	31	30	28	27	26	25	23	21	20	18	14	12														
		60	29	28	27	26	24	23	21	20	18	16	11	7														
SHUT OFF		PSI	178	169	161	152	143	135	126	118	109	100	83	74	57	40	22											

# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 20 GPM SERIES



## SPECIFICATIONS

MODEL	HP	STAGES	LGTH INCHES	WEIGHT LBS	DISCH SIZE
BF-2005	1/2	5	10.1	6	1-1/4"
BF-2006	3/4	6	11	6.2	
BF-2008	1	8	12.7	6.8	
BF-2011	1-1/2	11	15.2	7.9	
BF-2014	2	14	17.8	9	

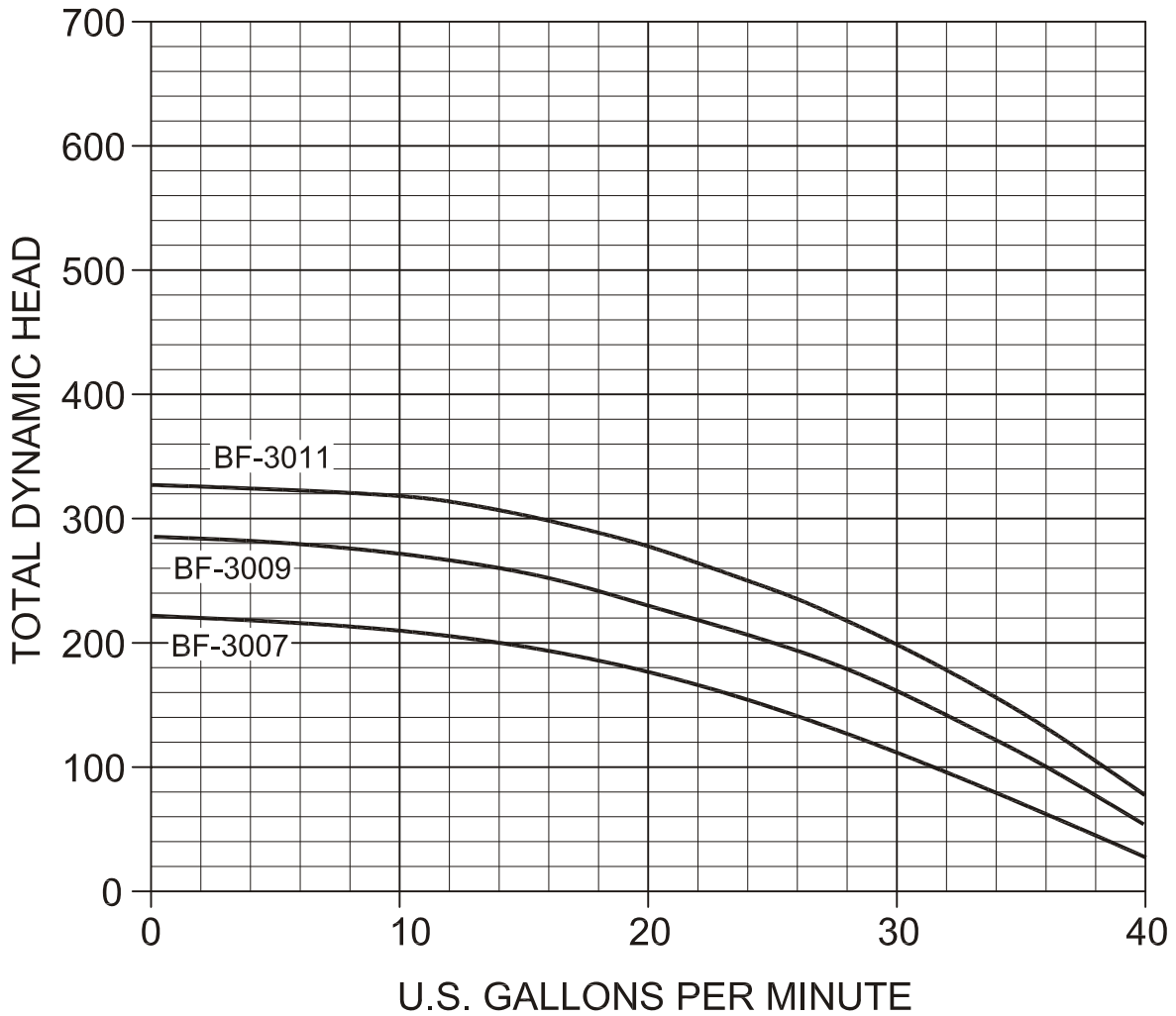
Includes built-in stainless steel check valve



# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 30 GPM SERIES



## SPECIFICATIONS

MODEL	HP	STAGES	LGTH INCHES	WEIGHT LBS	DISCH SIZE
BF-3007	1	7	12.6	6.9	1-1/2"
BF-3009	1-1/2	9	14.6	7.7	
BF-3011	2	11	16.5	8.6	

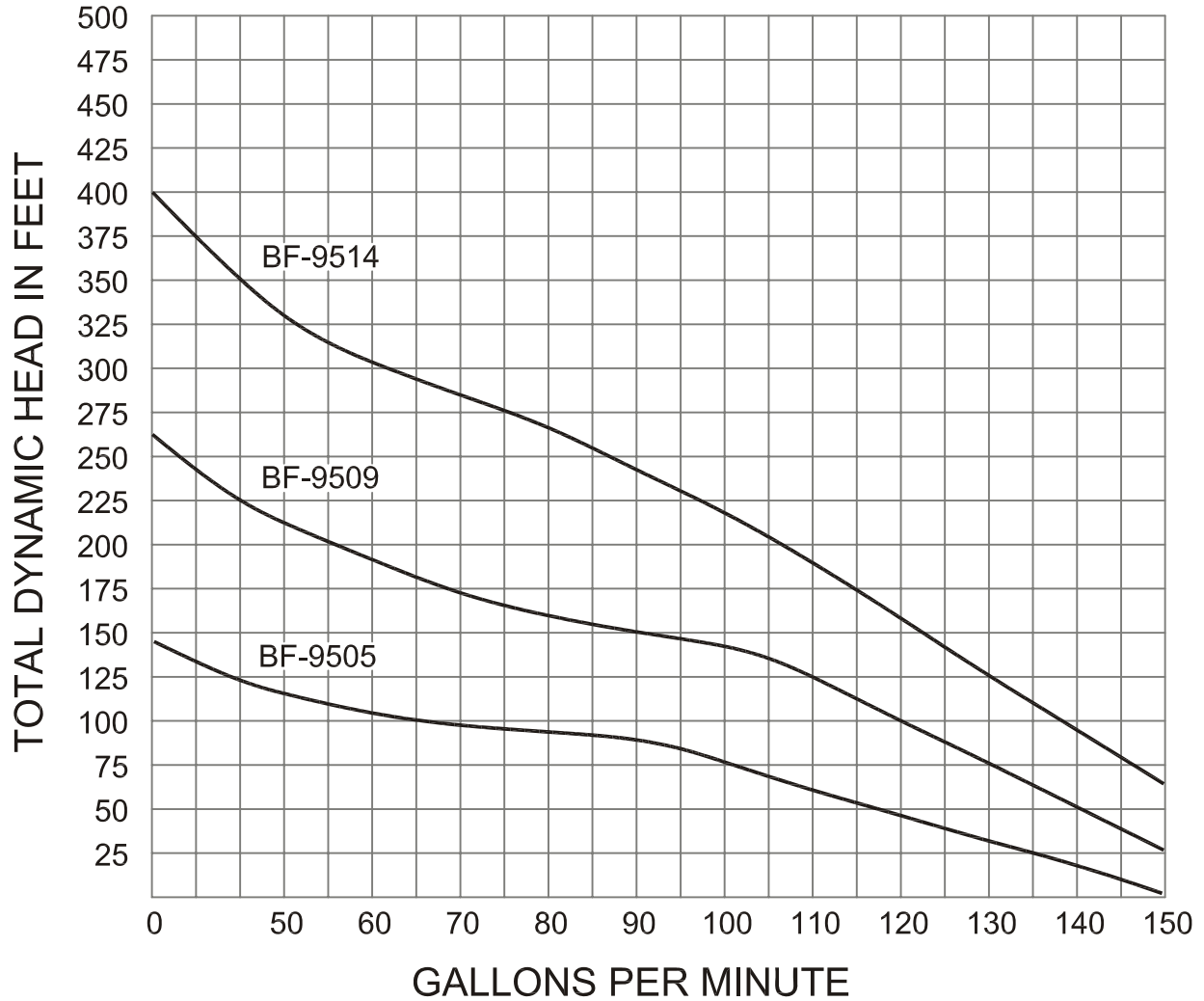
Includes built-in stainless steel check valve



# 4" SUBMERSIBLE PUMP

## PERFORMANCE CURVE

### 95 GPM SERIES



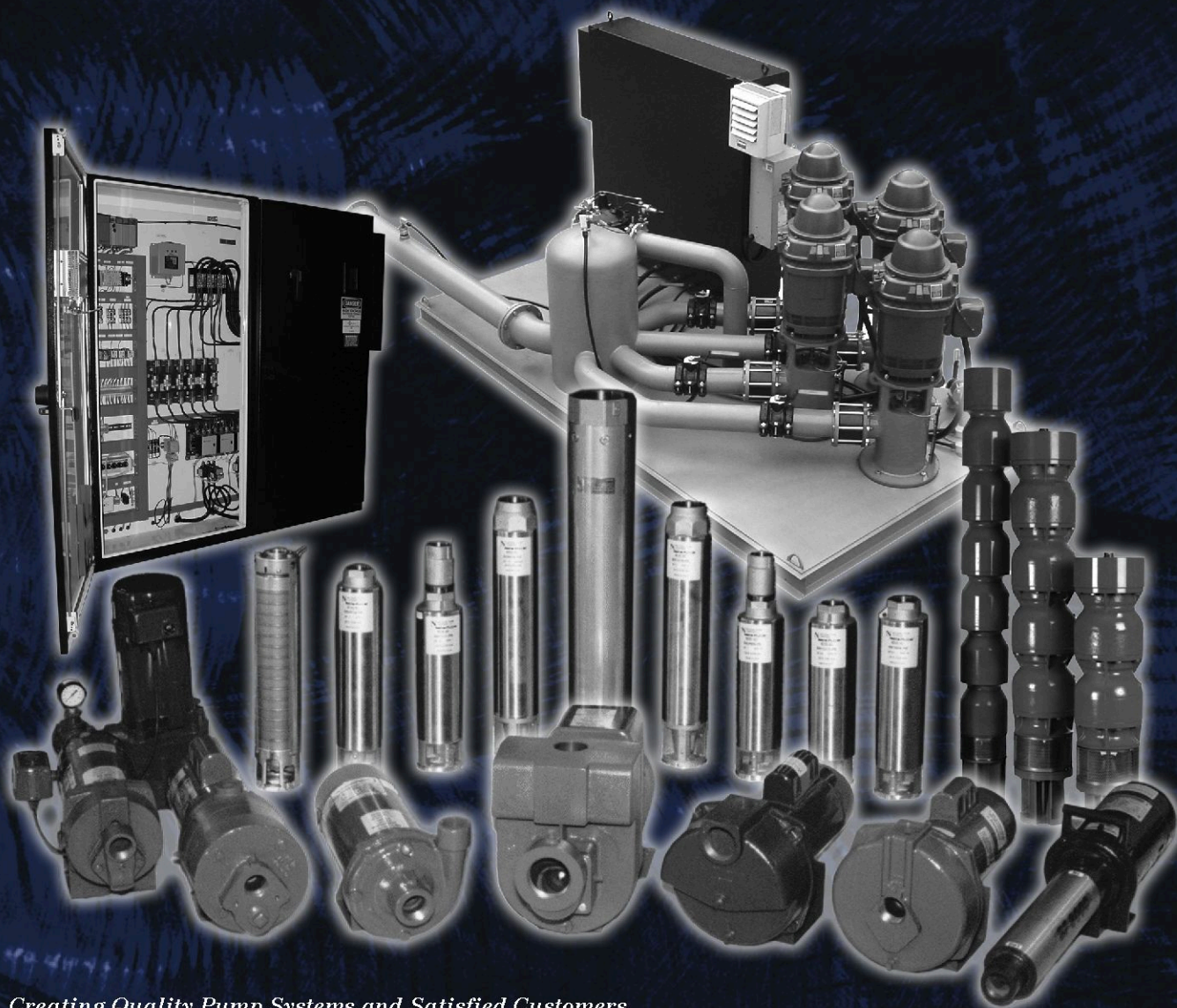
NOTE: To achieve maximum flow 5" minimum I.D. casing is recommended.

## SPECIFICATIONS

MODEL	HP	NO. OF STAGES	NO. WIRE	PHASE	LENGTH - INCHES		SHIPPING WEIGHT		DISCH SIZE
					PUMP	MOTOR	PUMP	MOTOR	
BF-9505	3	5	3	1	18.75	15.12	10.6	33	2"
			3	3	18.75	13.62	10.6	28	
BF-9509	5	9	3	1	29.50	19.06	15.6	41	
			3	3	29.50	16.06	15.6	35	
BF-9514	7-1/2	14	3	3	42.75	28.20	22.6	49	

Includes built-in stainless steel check valve

# National Keeps You Pumping Around the World



*Creating Quality Pump Systems and Satisfied Customers*



Delivering Pump and Pump Systems  
Reliability, Dependability  
and Service Since 1969

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