



# BFK and BFV Series

SUBMERSIBLE SEWAGE PUMPS

PROVEN PERFORMANCE



BRBFKVSR



**Bell & Gossett**  
a xylem brand

## The BFK & BFV Series is a range of submersible sewage pumps that are proven to deliver dependable performance.

Based on technology developed and tested in tough environments throughout the world, count on the BFK & BFV Series available through Bell & Gossett to ensure reliability and reduce downtime in harsh residential, light commercial and industrial wastewater applications.



### TOUGH TO BEAT

**SELF-CLEANING:** The patented design of the self-cleaning K-impeller has been proven to reduce clogging and maintain efficiency when pumping wastewater

**SOLIDS HANDLING:** The vortex impeller can handle solids up to 2½" in size and resists clogging better than a traditional two-vane impeller

**POWERFUL:** An efficient air-filled motor provides built-in thermal overload protection allowing the pump to run continuously without overheating

**ROBUST:** Components are made from robust cast iron for long life and easy maintenance

**DURABLE:** Heavy-duty long life bearings provide peace of mind

**SMOOTH:** The double mechanical seal provides extra reliability and protects against leakage

**\*INSTALLATION OPTIONS:** Pump has built-in dual seal and sensors for high temperature and seal leak detection which accommodate upgraded panel installations

\* Upgraded installation for seal leak detection requires MiniCAS module in control panel

# TOUGH TO BEAT

## BFK Sewage Pump

**Motor Class F insulation**  
Air-filled

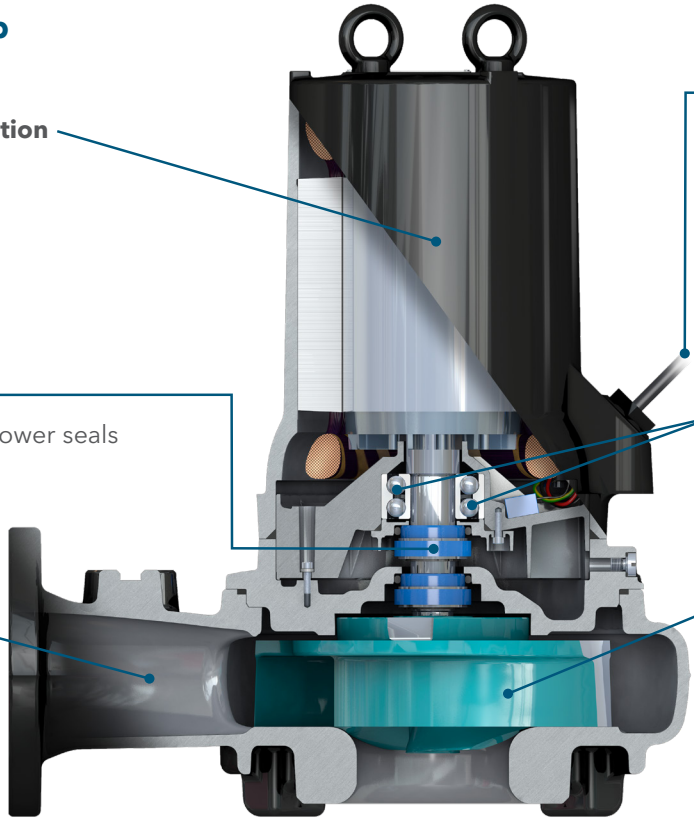
**Mechanical Seals**  
Premium upper and lower seals

**Discharge**  
ANSI 3" & 4"  
2" vertical discharge  
NPT

**Cable Entry**  
Cable sized for NEC Cable  
is Subcab. 230V for models  
>20 HP cable size is  
certified UL778

**Double Row Bearings**

**Impeller**  
Cast iron  
Self-cleaning K-impeller



## BFV Sewage Pump

**Motor Class F insulation**  
Air-filled

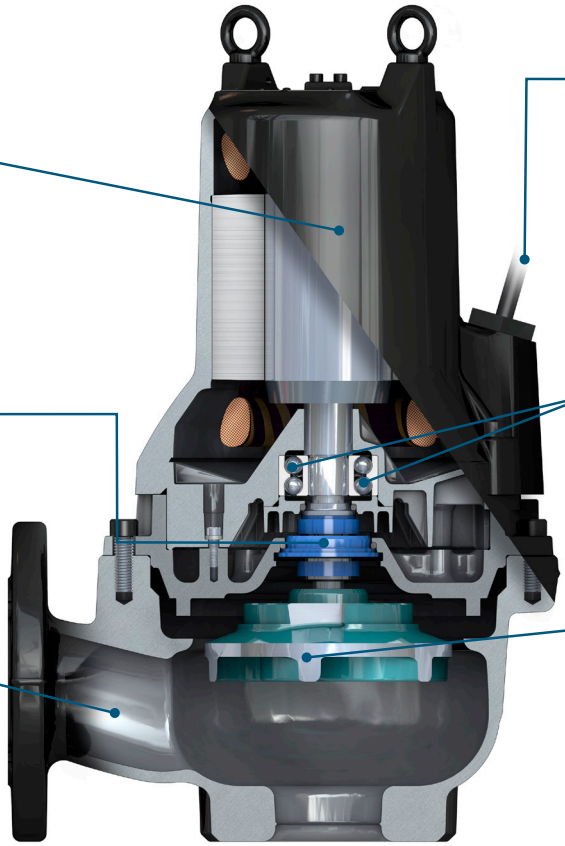
**Mechanical Seals**  
Premium upper and lower seals

**Discharge**  
ANSI 3"  
2" vertical discharge  
NPT

**Cable Entry**  
Subcab cable sized for NEC

**Double Row Bearings**

**Impeller**  
Cast iron  
Vortex impeller



### APPLICATIONS:

Used in a variety of residential, light commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering/effluent
- Farms
- Hospitals
- Trailer courts
- Motels

### SPECIFICATIONS:

#### • Capacities:

2" Series: Up to 290 gpm

3" Series: Up to 560 gpm

4" Series: Up to 1600 gpm

#### • Total head:

2" Series: Up to 88 feet TDH

3" Series: Up to 157 feet TDH

4" Series: Up to 112 feet TDH

#### • Horsepower:

2" Series: Up to 3.8 hp

3" Series: Up to 11 hp

4" Series: Up to 20 hp

#### • Discharge Size:

2" Series: 2" outlet, threaded 2-11 ½ NPT

3" Series: 3" ANSI Flange

4" Series: 4" ANSI Flange

#### • Insulation: Class F: 310° F (155° C)

#### • Maximum Fluid Temperature: 104° F (40° C)

#### • Phase: 3 Phase

#### • Frequency: 60 Hz

#### • Impeller:

BFK Series: Self-Cleaning K-Impeller

BFV Series: Vortex impeller

#### • Motor:

Air-filled 3400 rpm with built-in thermal overload protection (2" & 3" BFK/BFV)

Airfilled 1750 rpm (4" BFK)

#### • Bearings: Single row ball bearings

#### • Upper - Lower Seal Configurations:

- Carbon/Aluminum Oxide - SilCar/SilCar

- Carbon/Aluminum Oxide - Aluminum Oxide/WCCR

- Carbon/WCCR - WCCR/WCCR

(Configurations vary by pump models)

#### • Cable Length: 50 ft (16 m) power cord

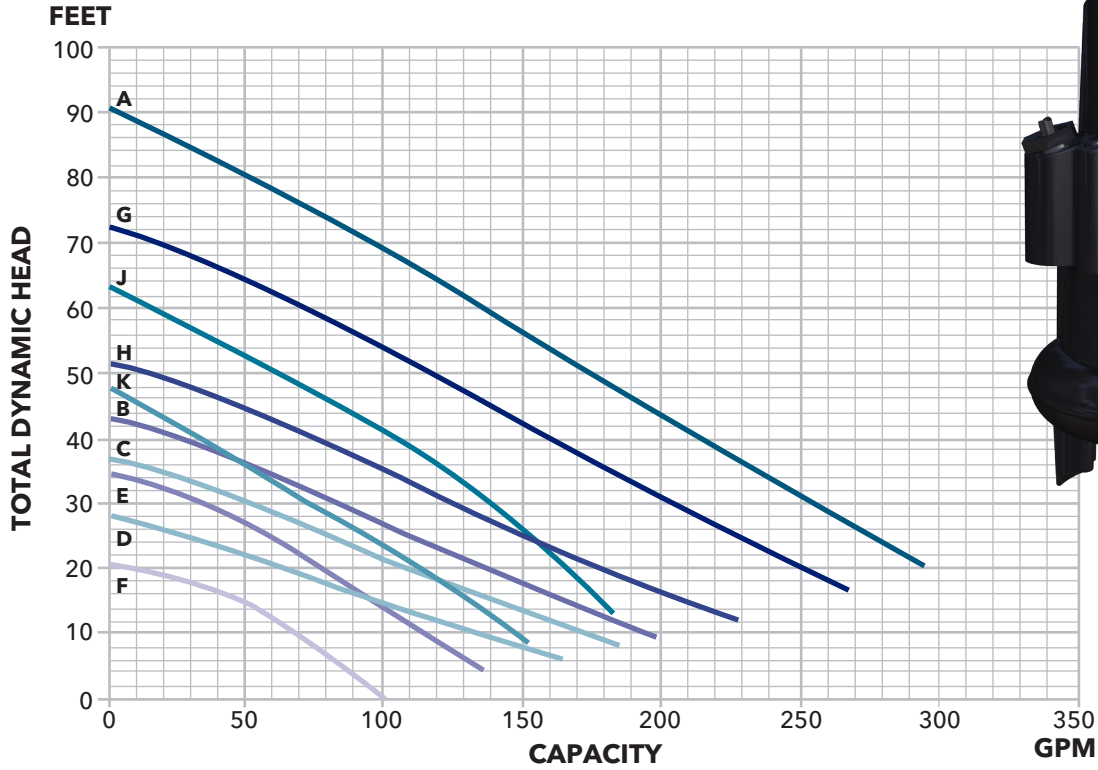


Tested to UL 778 and CSA 22.2 108 standards by Canadian Standards Association



## 2" BFK & BFV

### PERFORMANCE CURVE



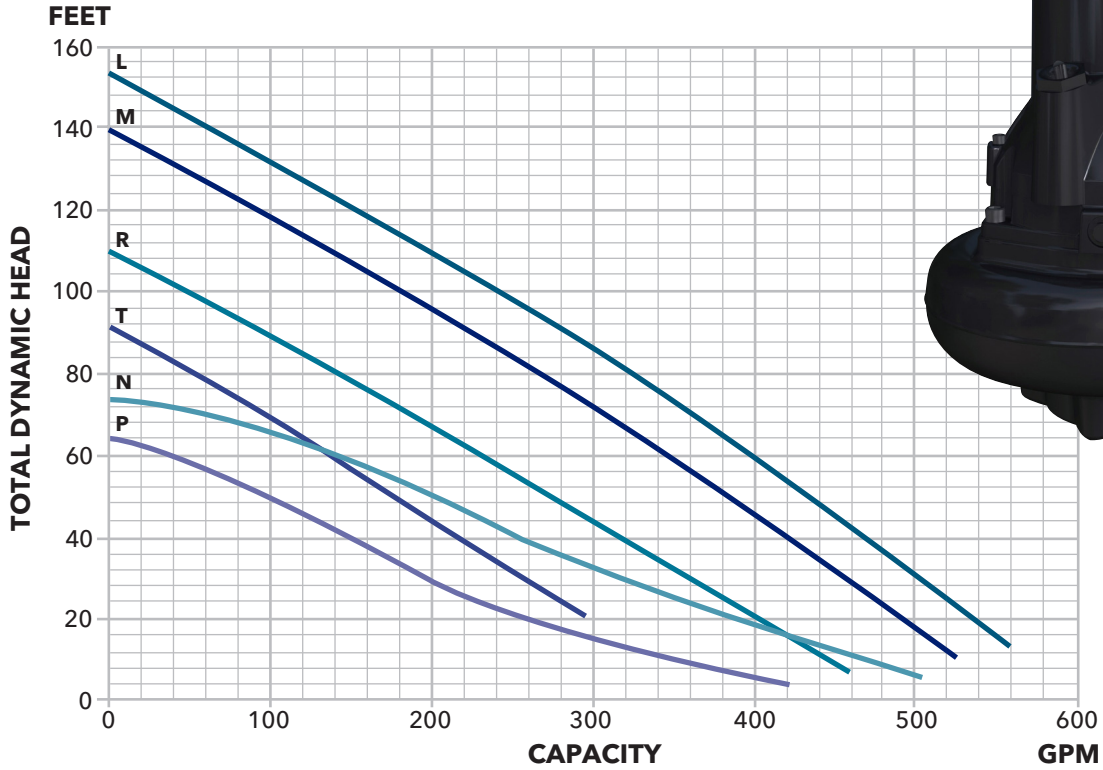
### PRODUCT SPECIFICATIONS

B&G Part No.	Impeller Type	Curve ID	Voltage	HP	Rated Current
2BFV1212F	Vortex	F	200	1.2	3.8
2BFV1213F	Vortex	F	230	1.2	4
2BFV1214F	Vortex	F	460	1.2	2
2BFV1712E	Vortex	E	200	1.7	5.1
2BFV1713E	Vortex	E	230	1.7	5
2BFV1714E	Vortex	E	460	1.7	2.5
2BFV3212K	Vortex	K	200	3.2	9.8
2BFV3213K	Vortex	K	230	3.2	8.8
2BFV3214K	Vortex	K	460	3.2	4.4
2BFK1212D	K	D	200	1.2	3.8
2BFK1213D	K	D	230	1.2	4
2BFK1214D	K	D	460	1.2	2
2BFV3812J	Vortex	J	200	3.8	12
2BFV3813J	Vortex	J	230	3.8	10.2
2BFV3814J	Vortex	J	460	3.8	5.1

B&G Part No.	Impeller Type	Curve ID	Voltage	HP	Rated Current
2BFK1712C	K	C	200	1.7	5.1
2BFK1713C	K	C	230	1.7	5
2BFK1714C	K	C	460	1.7	2.5
2BFK1712B	K	B	200	1.7	5.1
2BFK1713B	K	B	230	1.7	5
2BFK1714B	K	B	460	1.7	2.5
2BFK2412H	K	H	200	2.4	7.7
2BFK2413H	K	H	230	2.4	7.2
2BFK2414H	K	H	460	2.4	3.6
2BFK3212G	K	G	200	3.2	9.8
2BFK3213G	K	G	230	3.2	8.8
2BFK3214G	K	G	460	3.2	4.4
2BFK3812A	K	A	200	3.8	12
2BFK3813A	K	A	230	3.8	10.2
2BFK3814A	K	A	460	3.8	5.1

## 3" BFK & BFV

### PERFORMANCE CURVE



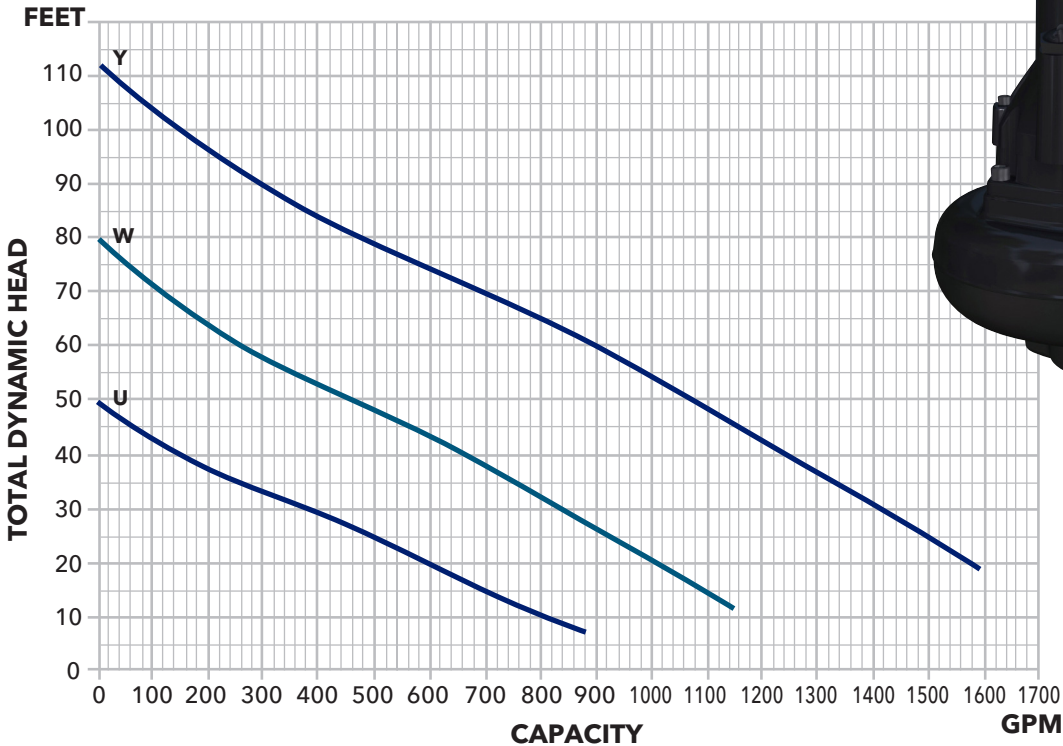
### PRODUCT SPECIFICATIONS

B&G Part No.	Impeller Type	Curve ID	Voltage	HP	Rated Current
3BFK3812T	K	T	200	3.8	12
3BFK3813T	K	T	230	3.8	10
3BFK3814T	K	T	460	3.8	4.9
3BFV6412P	Vortex	P	200	6.4	18
3BFV6413P	Vortex	P	230	6.4	16
3BFV6414P	Vortex	P	460	6.4	7.9
3BFK6412R	K	R	200	6.4	18
3BFK6413R	K	R	230	6.4	16
3BFK6414R	K	R	460	6.4	7.9

B&G Part No.	Impeller Type	Curve ID	Voltage	HP	Rated Current
3BFV9512N	Vortex	N	200	9.5	26
3BFV9513N	Vortex	N	230	9.5	23
3BFV9514N	Vortex	N	460	9.5	12
3BFK9512M	K	M	200	9.5	26
3BFK9513M	K	M	230	9.5	23
3BFK9514M	K	M	460	9.5	12
3BFK1112L	K	L	200	11	30
3BFK1113L	K	L	230	11	26
3BFK1114L	K	L	460	11	13

## 4" BFK

### PERFORMANCE CURVE



### PRODUCT SPECIFICATIONS

B&G Part No.	Impeller Type	Curve ID	Voltage	HP	Rated Current
4BFK5022U	K	U	200	5	16
4BFK5023U		U	230		14
4BFK5024U		U	460		6.9
4BFK1022W		W	200	10	31
4BFK1023W		W	230		26
4BFK1024W		W	460		13
4BFK2022Y		Y	200	20	59
4BFK2023Y		Y	230		52
4BFK2024Y		Y	460		26

# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**



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