

**xylem**  
Let's Solve Water



# GFK and GFV Series

SUBMERSIBLE SEWAGE PUMPS

PROVEN PERFORMANCE



BRGFKVSER R1

 **GOULDS**  
WATER TECHNOLOGY  
a xylem brand

Order Online: [www.PumpCatalog.com](http://www.PumpCatalog.com)

# The GFK & GFV 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 GFK & GFV Series available through Goulds Water Technology 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

## GFK Sewage Pump

**Motor Class F insulation**

Air-filled

**Mechanical Seals**

Premium upper and lower seals

**Discharge**

ANSI 3" & 4"  
2" vertical discharge  
NPT

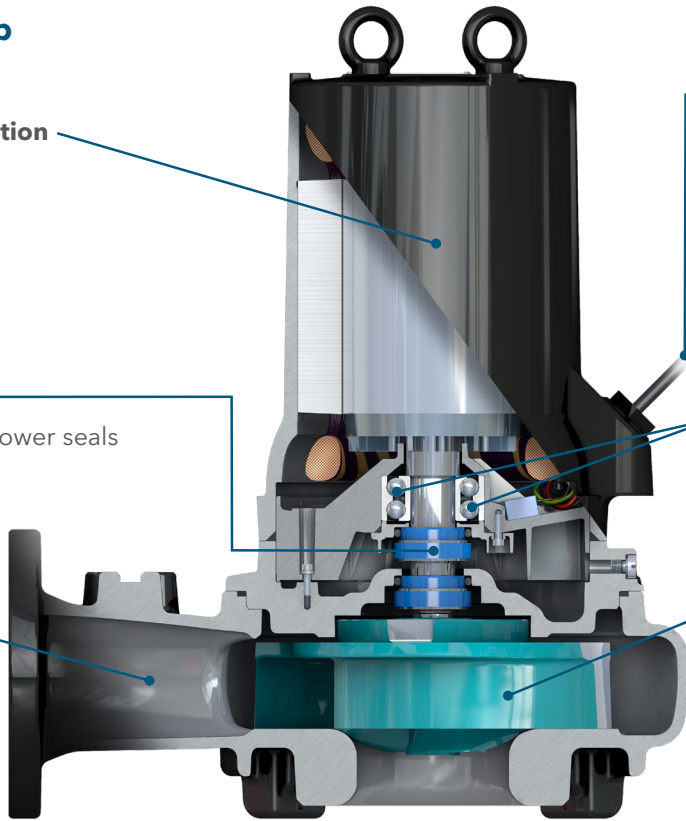
**Cable Entry**

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



## GFV Sewage Pump

**Motor Class F insulation**

Air-filled

**Mechanical Seals**

Premium upper and lower seals

**Discharge**

ANSI 3"  
2" vertical discharge  
NPT

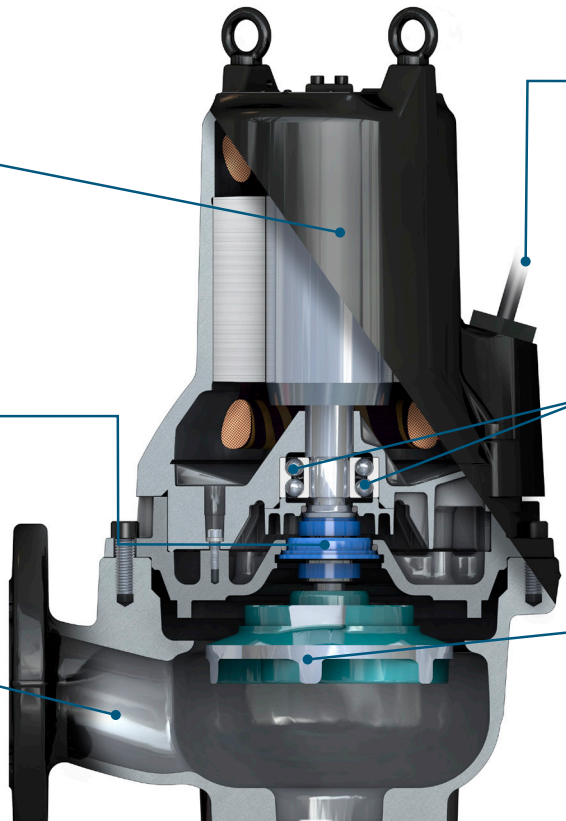
**Cable Entry**

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 1/2 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:

- GFK Series: Self-Cleaning K-Impeller
- GFV Series: Vortex impeller

• Motor:


- Air-filled 3400 rpm with built-in thermal overload protection (2" & 3" GFK/GFV)
- Airfilled 1750 rpm (4" GFK)

• 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)

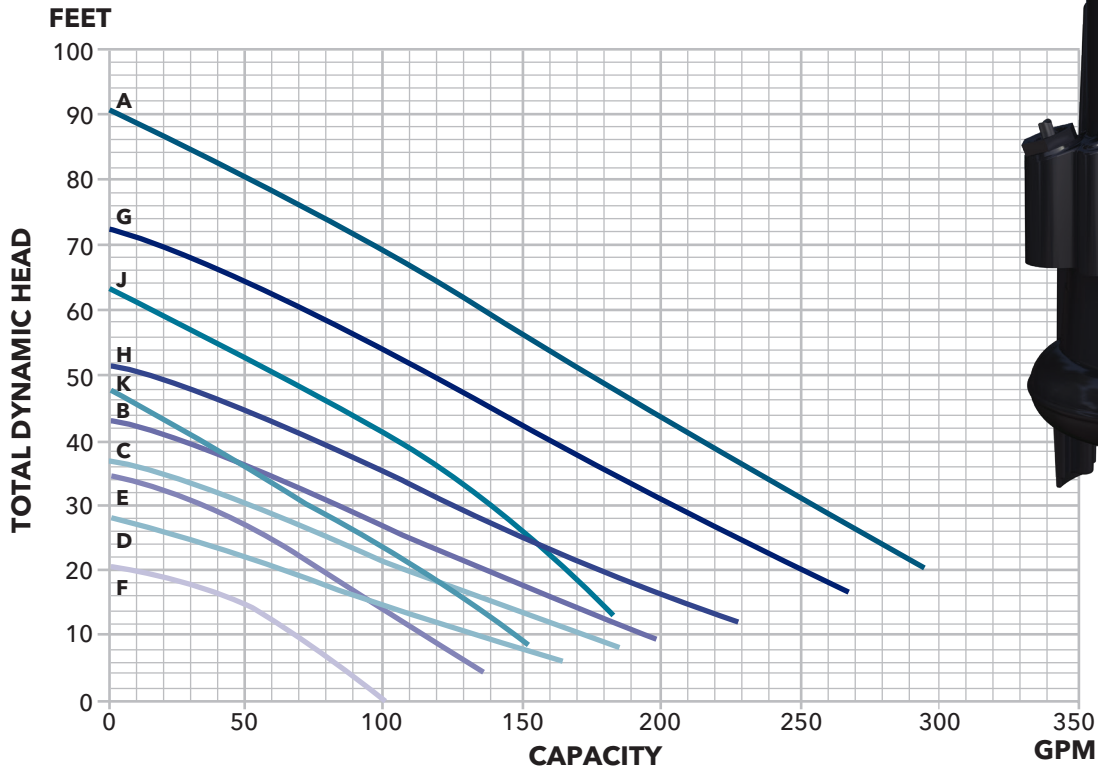
• Cable Length: 50 ft (16 m) power cord

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



## 2" GFK & GFV

### PERFORMANCE CURVE



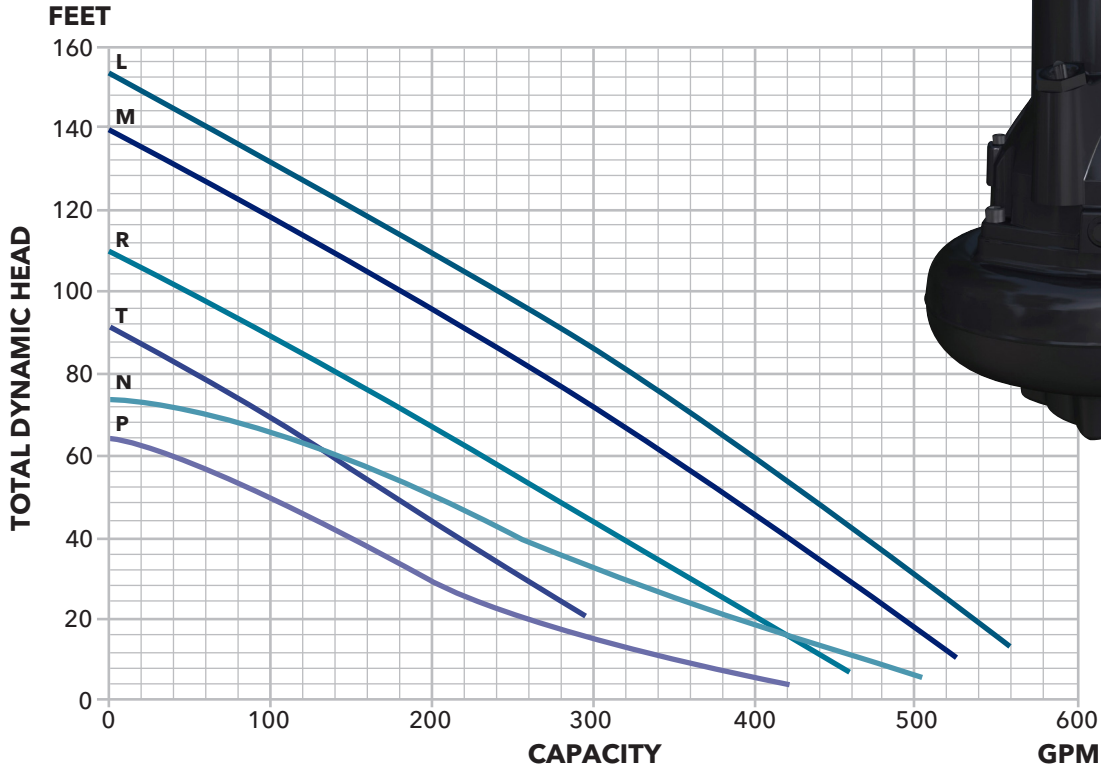
### PRODUCT SPECIFICATIONS

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 2GFV1212F    | Vortex        | F        | 200     | 1.2 | 3.8           |
| 2GFV1213F    | Vortex        | F        | 230     | 1.2 | 4             |
| 2GFV1214F    | Vortex        | F        | 460     | 1.2 | 2             |
| 2GFV1712E    | Vortex        | E        | 200     | 1.7 | 5.1           |
| 2GFV1713E    | Vortex        | E        | 230     | 1.7 | 5             |
| 2GFV1714E    | Vortex        | E        | 460     | 1.7 | 2.5           |
| 2GFV3212K    | Vortex        | K        | 200     | 3.2 | 9.8           |
| 2GFV3213K    | Vortex        | K        | 230     | 3.2 | 8.8           |
| 2GFV3214K    | Vortex        | K        | 460     | 3.2 | 4.4           |
| 2GFK1212D    | K             | D        | 200     | 1.2 | 3.8           |
| 2GFK1213D    | K             | D        | 230     | 1.2 | 4             |
| 2GFK1214D    | K             | D        | 460     | 1.2 | 2             |
| 2GFV3812J    | Vortex        | J        | 200     | 3.8 | 12            |
| 2GFV3813J    | Vortex        | J        | 230     | 3.8 | 10.2          |
| 2GFV3814J    | Vortex        | J        | 460     | 3.8 | 5.1           |

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 2GFK1712C    | K             | C        | 200     | 1.7 | 5.1           |
| 2GFK1713C    | K             | C        | 230     | 1.7 | 5             |
| 2GFK1714C    | K             | C        | 460     | 1.7 | 2.5           |
| 2GFK1712B    | K             | B        | 200     | 1.7 | 5.1           |
| 2GFK1713B    | K             | B        | 230     | 1.7 | 5             |
| 2GFK1714B    | K             | B        | 460     | 1.7 | 2.5           |
| 2GFK2412H    | K             | H        | 200     | 2.4 | 7.7           |
| 2GFK2413H    | K             | H        | 230     | 2.4 | 7.2           |
| 2GFK2414H    | K             | H        | 460     | 2.4 | 3.6           |
| 2GFK3212G    | K             | G        | 200     | 3.2 | 9.8           |
| 2GFK3213G    | K             | G        | 230     | 3.2 | 8.8           |
| 2GFK3214G    | K             | G        | 460     | 3.2 | 4.4           |
| 2GFK3812A    | K             | A        | 200     | 3.8 | 12            |
| 2GFK3813A    | K             | A        | 230     | 3.8 | 10.2          |
| 2GFK3814A    | K             | A        | 460     | 3.8 | 5.1           |

### 3" GFK & GFV

#### PERFORMANCE CURVE



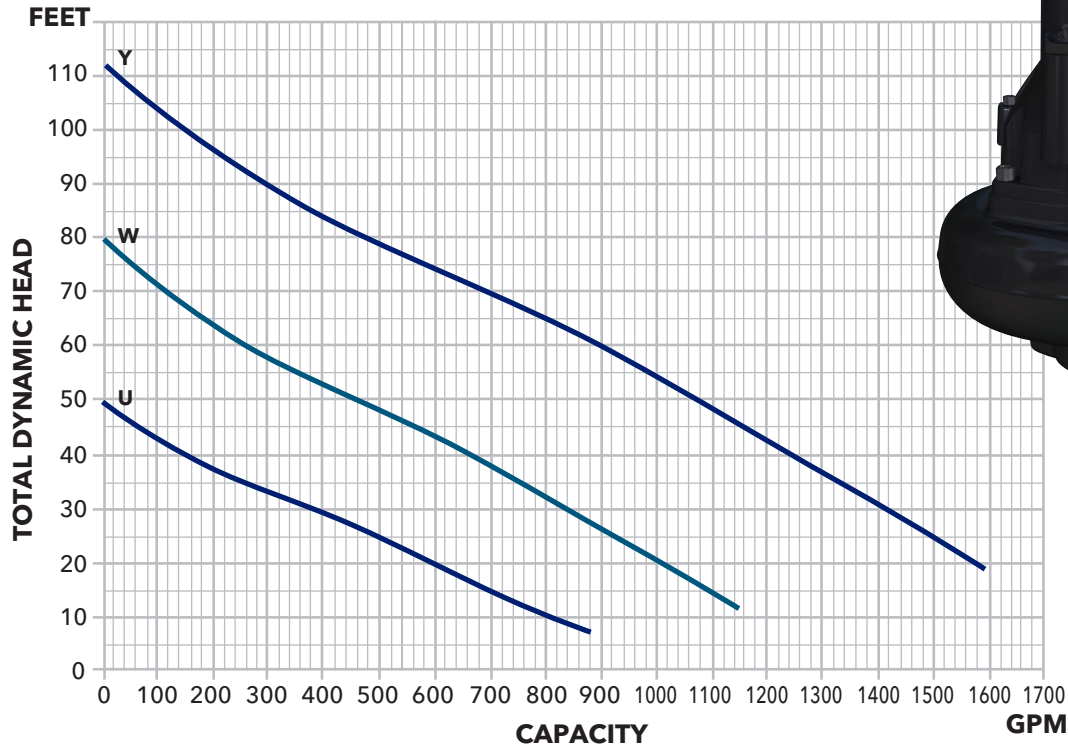
#### PRODUCT SPECIFICATIONS

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 3GFK3812T    | K             | T        | 200     | 3.8 | 12            |
| 3GFK3813T    | K             | T        | 230     | 3.8 | 10            |
| 3GFK3814T    | K             | T        | 460     | 3.8 | 4.9           |
| 3GFK3815T    | K             | T        | 575     | 3.8 | 3.8           |
| 3GFV6412P    | Vortex        | P        | 200     | 6.4 | 18            |
| 3GFV6413P    | Vortex        | P        | 230     | 6.4 | 16            |
| 3GFV6414P    | Vortex        | P        | 460     | 6.4 | 7.9           |
| 3GFV6415P    | Vortex        | P        | 575     | 6.4 | 6.3           |
| 3GFK6412R    | K             | R        | 200     | 6.4 | 18            |
| 3GFK6413R    | K             | R        | 230     | 6.4 | 16            |
| 3GFK6414R    | K             | R        | 460     | 6.4 | 7.9           |
| 3GFK6415R    | K             | R        | 575     | 6.4 | 6.3           |

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 3GFV9512N    | Vortex        | N        | 200     | 9.5 | 26            |
| 3GFV9513N    | Vortex        | N        | 230     | 9.5 | 23            |
| 3GFV9514N    | Vortex        | N        | 460     | 9.5 | 12            |
| 3GFV9515N    | Vortex        | N        | 575     | 9.5 | 9.9           |
| 3GFK9512M    | K             | M        | 200     | 9.5 | 26            |
| 3GFK9513M    | K             | M        | 230     | 9.5 | 23            |
| 3GFK9514M    | K             | M        | 460     | 9.5 | 12            |
| 3GFK9515M    | K             | L        | 575     | 9.5 | 9.9           |
| 3GFK1112L    | K             | L        | 200     | 11  | 30            |
| 3GFK1113L    | K             | L        | 230     | 11  | 26            |
| 3GFK1114L    | K             | L        | 460     | 11  | 13            |
| 3GFK1115L    | K             | L        | 575     | 11  | 11            |

# 4" GFK

## PERFORMANCE CURVE



## PRODUCT SPECIFICATIONS

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP | Rated Current |
|--------------|---------------|----------|---------|----|---------------|
| 4GFK5022U    | K             | U        | 200     | 5  | 16            |
| 4GFK5023U    |               | U        | 230     |    | 14            |
| 4GFK5024U    |               | U        | 460     |    | 6.9           |
| 4GFK5025U    |               | U        | 575     |    | 6             |
| 4GFK1022W    |               | W        | 200     | 10 | 31            |
| 4GFK1023W    |               | W        | 230     |    | 26            |
| 4GFK1024W    |               | W        | 460     |    | 13            |
| 4GFK1025W    |               | W        | 575     |    | 11            |
| 4GFK2022Y    |               | Y        | 200     | 20 | 59            |
| 4GFK2023Y    |               | Y        | 230     |    | 52            |
| 4GFK2024Y    |               | Y        | 460     |    | 26            |
| 4GFK2025Y    |               | Y        | 575     |    | 21            |

## 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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