2" GFK & GFV Series

SUBMERSIBLE SEWAGE PUMPS
FEATURES

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 2” 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

APPLIED SPECIFICATIONS

APPLICATIONS

Used in a variety of residential, 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
• Total head:
  2” Series: Up to 88 feet TDH
• Horsepower:
  2” Series: Up to 3.8 hp
• Discharge size:
  2” Series: 2” outlet, threaded 2-11 ½ NPT

• Insulation: Class F: 310º F (155º C)
• Maximum Fluid Temperature: 104º F (40º C)
• Phase: Three-phase
• Frequency: 60 Hz
• Impeller:
  GFK Series: Self-cleaning K-impeller
  GFV Series: Vortex impeller
• Motor: Air-filled 3400 rpm motor with built-in thermal overload protection
• Bearings: Single row ball bearings
• Upper-Lower Seal Configurations (configurations vary by model):
  - Carbon/Aluminum Oxide - SilCar/SilCar
  - Carbon/Aluminum Oxide - Aluminum Oxide/ WCCR
• Cable Length: 50 ft (16 m) power cord

AGENCY LISTINGS

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

Upgraded installation requires MiniCAS module in control panel.
## PRODUCT SPECIFICATIONS

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PERFORMANCE CURVES

2" GFV 1.2 HP - F

[Graph showing performance curves for a 2" GFV 1.2 HP - F pump, with axes for Capacity (US GPM) and Total Dynamic Head on the vertical axis, and Percentages of Pump Efficiency and Overall Efficiency on the horizontal axis.]

V94 78 mm

P94 78 mm (P1)

P94 78 mm (P2)

CAPACITY (US GPM)
PERFORMANCE CURVES

2” GFV 1.7 HP - E

[Graph with axes labeled as follows:
- Capacity (US GPM)
- Total Dynamic Head (ft)
- Pump Efficiency (%)
- Overall Efficiency (%)
- Power Input P1 (hp)
- Shaft Power P2 (hp)
- V92 90 mm (lines)]
PERFORMANCE CURVES

2" GFV 3.2 HP - K

[ft] TOTAL DYNAMIC HEAD

[hp] Power Input P1
Shaft Power P2

[ft] [0] 4 8 12 16 20 24 28 32 36 40 44 48

[%] Pump Efficiency
Overall Efficiency

V94 104 mm

Eff. 26%

V94 104 mm (P1)
V94 104 mm (P2)

CAPACITY (US GPM)
PERFORMANCE CURVES

2" GFV 3.8 HP - J

[ft]
TOTAL DYNAMIC HEAD

[hp]
Power Input P1
Shaft Power P2

Pump Efficiency
Overall Efficiency

V92 118 mm
V92 118 mm (P1)
V92 118 mm (P2)

34.2% Eff.
PERFORMANCE CURVES

2” GFK 1.2 HP - D

CAPACITY (US GPM)

TOTAL DYNAMIC HEAD

Pump Efficiency
Overall Efficiency

Power Input P1
Shaft Power P2

S68 87 mm

S68 87 mm (P1)

S68 87 mm (P2)
PERFORMANCE CURVES

2" GFK 1.7 HP - C

[ft]
TOTAL DYNAMIC HEAD

[hp]
Power Input P1
Shaft Power P2

[%]
Pump Efficiency
Overall Efficiency

[ft]
S66 95 mm
S66 95 mm (P1)

[hp]
S66 95 mm (P2)

Eff.
49.9%

CAPACITY (US GPM)
PERFORMANCE CURVES

2" GFK 1.7 HP - B

TOTAL DYNAMIC HEAD

CAPACITY (US GPM)

Pump Efficiency
Overall Efficiency

Power Input P1
Shaft Power P2

53.8% Eff.

S64 100 mm
S64 100 mm (P1)
S64 100 mm (P2)
PERFORMANCE CURVES

2” GFK 2.4 HP - H

[Graph showing performance curves for a pump with data points for capacity, total dynamic head, pump efficiency, overall efficiency, power input P1, and shaft power P2. Each curve is labeled with corresponding data points and the graph includes a scale for capacity (US GPM) and total dynamic head (ft).]
PERFORMANCE CURVES

2” GFK 3.2 HP - G

[Graph showing performance curves including capacity (US GPM), total dynamic head, power input P1, shaft power P2, pump efficiency, and overall efficiency.]

Goulds Water Technology
Wastewater
PERFORMANCE CURVES

2” GFK 3.8 HP - A
2" DIMENSIONS

**2GFV12, 2GFV17**
- A = 18.31"
- B = 11.77"
- C = 4.57"
- D = 7.21"
- E = 4.06"
- F = 4.49"
- G = 5.51"

**2GFV32, 2GFV38**
- A = 19.80"
- B = 12.21"
- C = 4.72"
- D = 7.48"
- E = 4.53"
- F = 4.92"
- G = 6.50"

**2GFK12, 2GFK17**
- A = 16.46"
- B = 11.73"
- C = 4.57"
- D = 7.17"
- E = 3.82"
- F = 4.69"
- G = 4.76"

**2GFK24, 2GFK32, 2GFK38**
- A = 17.05"
- B = 11.97"
- C = 4.41"
- D = 7.56"
- E = 4.06"
- F = 4.84"
- G = 4.76"
Xylem [ˈzɪləm]

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.

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