



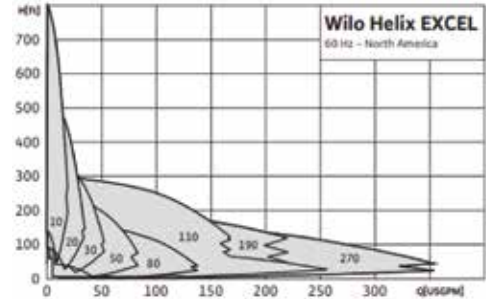
Helix EXCEL Vertical Multistage Centrifugal Pumps

The **Helix EXCEL Vertical Multistage Product Line** are designed to serve a broad range of industries and applications including, but not limited to water supply, pressure boosting, cooling systems, boiler feed, pressure washing, and irrigation.

Maximum Flow on the EXCEL is 320 GPM and max. head is 800 feet. These units are designed to offer superior energy efficiency by reducing consumption up to 70%. The Electrically Commuted (EC) motor is at the heart of this efficiency. The technology allows the motor to learn the most efficient operating points of the plumbing system and manipulate the motor speeds to meet system demands – thus reducing energy consumption.

Features:

- High Efficiency Electrically Commuted (EC) Motor
- Up to 70% Speed Reduction
- Cartridge mechanical seal for quick and easy maintenance
- Variable Pressure, Constant Pressure and Variable Speed Control Modes
- Optional BacNET, ModBUS, or LonWorks interface modules



Technical Specifications:

- Power: 460V / 3 PH / 60Hz
- **Fluid Temperature Range:** Models 10-80: -22°F to 248°F. Models 110-270: -4°F to 248°F
- EPDM Mechanical Seals are standard (*FKM Available*)
- 304 Stainless Steel Volute (*316SS on FKM-fitted Models is not NSF 61 rated*)
- Stainless Steel Construction Certified to NSF 61 (*Models 10-80*)
- Low Pressure Models up to 232 PSI; High Pressure Models up to 362 PSI
- 3500 RPM Motor (*TEFC*)
- ANSI Flange Connections:
 - **Models 10-30:** 1-1/4" ANSI Flange 300#
 - **Models 50-110:** 2" ANSI Flange 300#
 - **Models 190:** 2-1/2" ANSI Flange 300#
 - **Model 270:** 3" ANSI Flange 300#



| Part No. | Description | HP | Flange Size | Flow Rate@70% Load |
|------------|---------------------------------|-----|-------------|--------------------|
| WO 4172028 | Model 10, 8 Stage, EPDM, 304SS | 2 | 1-1/4" | 8 GPM @ 54 PSI |
| WO 4172026 | Model 20, 18 Stage, EPDM, 304SS | 5 | 1-1/4" | 20 GPM @ 86 PSI |
| WO 4169585 | Model 20, 14 Stage, EPDM, 304SS | 5 | 1-1/4" | 15 GPM @ 86 PSI |
| WO 4172018 | Model 30, 13 Stage, EPDM, 304SS | 7.5 | 1-1/4" | 25 GPM @ 86 PSI |
| WO 4172012 | Model 50, 12 Stage, EPDM, 304SS | 10 | 2" | 40 GPM @ 91 PSI |
| WO 4216087 | Model 110, 4 Stage, EPDM, 304SS | 10 | 2" | 80 GPM @ 50 PSI |

* Model Number Denotes GPM at Best Efficiency Point.



Stainless Vertical Multi-Stage Pumps

E-SV™ Stainless Pumps from Goulds Pumps. These Multi-Stage, Vertical Pump and Motor units are ideal for pressure boosting of water supplies, reverse osmosis transfer systems, agricultural irrigation, commercial washing systems, hot & cold water circulation for HVAC applications, boiler feed, etc. Multi-stage design allows for a wide range of flows from 5 to 700 gpm and pressures from 20 to 500 psi.



Standard Features:

- 304SS Stainless Steel construction
- TEFC NEMA Motors (*ODP also available*)
- Silicon Carbide Seal with Viton® Elastomers
- Inline ANSI flange inlet x outlet (*top/bottom fittings also available*)
- Simplified design for maximum reliability and fast repair
- Impeller O-ring seal produces high pressure and efficiency
- Rated to temperatures from -20° F. to +250° F.
- Motors are 60 hz, 3500 rpm and high efficiency.
- Optimized hydraulic design results in superior performance, efficiency and low NPSHR.



Note: All Pumps are Special Order and Non Returnable

Many Other Pumps Available - Call with Flow & Pressure Requirements.

| Part No. | Motor (TEFC) | Voltage | Flow Rate | Ports |
|------------|--|--------------|------------------|----------------|
| GL 3SV16 | 3hp, 1ph | 115/208-230V | 16 gpm @ 200 psi | 1-1/4" Flange* |
| GL 3SV163 | 3hp, 3ph | 208-230/460V | 16 gpm @ 200 psi | 1-1/4" Flange* |
| GL 5SV17 | 5hp, 1ph | 208-230V | 26 gpm @ 216 psi | 1-1/4" Flange* |
| GL 5SV173 | 5hp, 3ph | 208-230/460V | 26 gpm @ 216 psi | 1-1/4" Flange* |
| GL 10SV123 | 10hp, 3ph | 208-230/460V | 50 gpm @ 234 psi | 2" Flange |
| GL 10SV14 | 15hp, 3ph | 208-230/460V | 53 gpm @ 260 psi | 2" Flange* |
| GL 15SV15 | 25hp, 3ph | 208-230/460V | 80 gpm @ 375 psi | 2" Flange** |
| EV R114S | 1-1/4" 304SS Threaded Flange, Class 300..... | | | |
| EV R200S | 2" 304SS Threaded Flange, Class 300..... | | | |

* Pump Flanges are 304 Stainless ANSI Class 300, Raised Face.

** This model has cast iron flanges & base with 304 stainless pump end.

— Flange Gaskets Also Available —

