

TECHNICAL BROCHURE

BGSP0305 R1



GSP

CAST IRON SUMP AND EFFLUENT PUMPS



FEATURES

- Reliable mechanical switch coupled with solid float for dependable performance
- Oil-cooled motor permanently lubricated for extended service life and is powered for continuous operation
- Premium mechanical seal design provides superior protection against sand and abrasive damage (Silicon Carbide/Carbon/BUNA)
- Vortex impeller can handle solids up to ½" in size and resist clogging better than a traditional twovane impeller
- Cast iron motor housing for optimal heat dissipation

APPLICATIONS

Specially designed for the following uses:

- Basement draining
- Water transfer
- Dewatering
- Filtered effluent

SPECIFICATIONS

• Discharge size: 1 ½" NPT

• Capacities: to 43 gpm

• Maximum head: 22 foot TDH

• Maximum solids handling: 1/2" spherical

• Impeller: vortex

• Temperature: 130° F (54° C)

• Mechanical seal: Silicon Carbide/Carbon/BUNA

MATERIALS OF CONSTRUCTION

| Part Name | Material |
|----------------------|-----------------------------|
| Impeller | Thermoplastic (Nylon) |
| Casing | Cast Iron Motor Housing |
| Base/Volute/Strainer | Cast Iron |
| Motor Adapter | Cast Iron |
| Mechanical Seal | Silicon Carbide/Carbon/BUNA |
| Cord and Current | 18 AWG, SJTW |
| Mechanical Switch | cURus listed, 15A, 125V |
| Fasteners | Stainless Steel |
| Handle | Stainless Steel |
| Float Bracket | Stainless Steel |

- Corrosion resistant hardware for lifetime use
- Cast iron suction strainer encompasses entire basedesigned to reduce debris entry (available on 0511 models)
- Built-in vent hole prevents air-binding with no added labor
- Upper and lower sleeve bearings
- Heavy duty, portable and compact unit
- Approved for Residential use (CSA/CUS Listed)
- Two year warranty

MOTOR

- 1/3 hp, 115V, 60 Hz, single phase, 10 amps maximum, 1550 rpm
- ½ hp, 115V, 60 Hz, single phase, 8 amps maximum, 1550 rpm
- Automatic vertical float, manual float switch option
- Built-in thermal overload protection
- Oil filled design
- 1/3 hp power cord: 9 foot standard length with NEMA 5-15P plug (models also available with 25-foot power cord)
- ½ hp power cord: 15 foot standard length with NEMA 5-15P plug

AGENCY LISTINGS



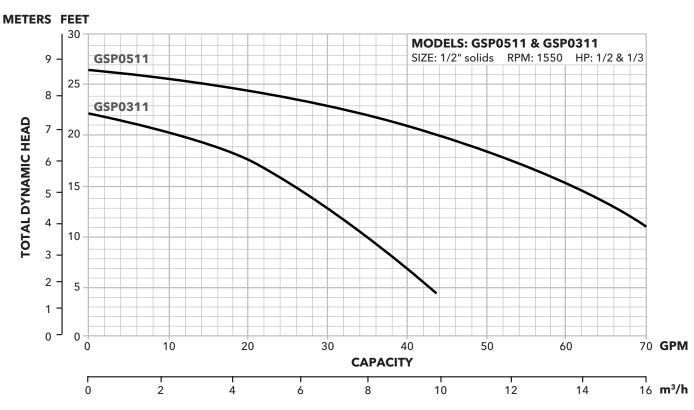
Tested to UL778 CAN 22.2 by

CSA International (Canadian Standards Association)

REPAIR PARTS

| Part Description | Part No. | Part |
|------------------|----------|---|
| GSP-SWITCH | 9K701 | Switch Assembly with Gasket and Hardware |

PERFORMANCE CURVES



MODEL INFORMATION

| Model | Part No. | НР | Volts | Amps | Minimum Circuit Breaker | Phase | Float Switch Style | Cord Length | Discharge Connection | | Minimum Off Level | Minimum Basin Diameter | Max. Solids Size | Shipping Weight |
|-------|-------------|-----|-------|------|-------------------------------|-------|--------------------------|----------------|-------------------------|--------|----------------------|------------------------------|------------------------|--------------------|
| GSP | GSP0311 | 1/3 | 115 | 10 | 15A | | Vertical | 9' | 1 1/2" | 7 1/4" | 3 1/2" | 1' | 1/2" | 27 lbs |
| GSP | GSP0311M | 1/3 | 115 | 10 | 15A | 1 | Not Supplied | 9' | 1 1/2" | - | - | 1' | 1/2" | 27 lbs |
| GSP | GSP0311-25 | 1/3 | 115 | 10 | 15A | | Vertical | 25' | 1 1/2" | 7 1/4" | 3 1/2" | 1' | 1/2" | 28 lbs |
| GSP | GSP0311M-25 | 1/3 | 115 | 10 | 15A | 1 | Not Supplied | 25' | 1 1/2" | - | - | 1' | 1/2" | 28 lbs |
| GSP | GSP0511 | 1/2 | 115 | 8 | 15A | | Vertical | 15' | 1 1/2" | 8 1/2" | 3″ | 1' | 1/2" | 38 lbs |
| GSP | GSP0511M | 1/2 | 115 | 8 | 15A | 1 | Not Supplied | 15' | 1 1/2" | - | - | 1' | 1/2" | 37 lbs |

GSP0311 PERFORMANCE RATINGS

| Total Head (feet of water) | GPM | GPH |
|-------------------------------|-----|------|
| 5 | 42 | 2520 |
| 10 | 35 | 2100 |
| 15 | 26 | 1560 |
| 20 | 11 | 660 |

GSP0511 PERFORMANCE RATINGS

| Total Head (feet of water) | GPM | GPH |
|-------------------------------|-----|------|
| 10 | 71 | 4260 |
| 15 | 56 | 3360 |
| 20 | 38 | 2280 |
| 23 | 20 | 1200 |

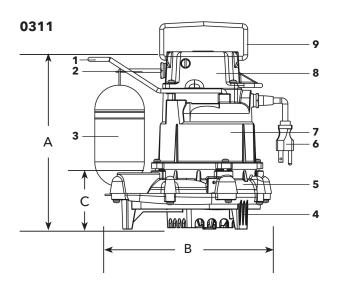
DIMENSIONS

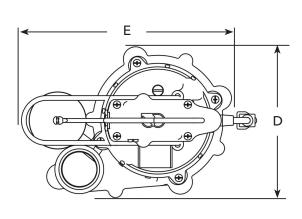
| | Α | В | С | D | E |
|----------|-------|-------|-------|------|-------|
| GSP0311 | 10.2" | 11.8" | 3.25" | 7.5" | 11.8" |
| GSP0311M | 10.2" | 10.4" | 3.25" | 7.5" | 10.4" |
| GSP0511 | 12" | 10.6" | 5" | 7.4" | 10.6" |
| GSP0511M | 12" | 9.4" | 5" | 7.4" | 9.4" |

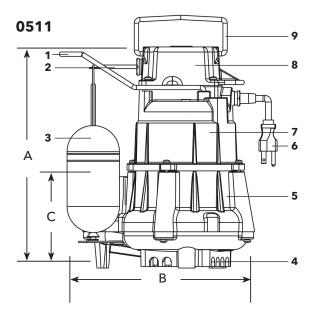
COMPONENTS

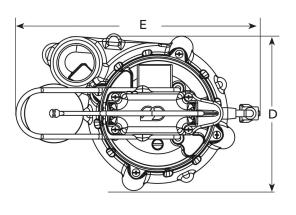
| Item No. | Description |
|----------|---------------|
| 1 | Float Bracket |
| 2 | Float Rod |
| 3 | Float |
| 4 | Base |
| 5 | Seal Housing |

| Item No. | Description |
|----------|------------------------------|
| 6 | Plug |
| 7 | Motor Dome |
| 8 | Mechanical Switch Housing |
| 9 | Handle |
| | · |











Xylem Inc. 2881 East Bayard Street Ext., Suite A Seneca Falls, NY 13148

Phone: (866) 325-4210 Fax: (888) 322-5877 www.xylem.com/goulds