



GSP

Cast iron sump and effluent pumps

Description

The GSP Series (models GSP0311 and GSP0511) are heavy-duty cast iron effluent and sump pumps engineered to keep basements and flood-prone areas dry and protected. A premium mechanical seal and a wide suction strainer offer enhanced protection against sand, debris, and abrasive materials, helping to extend the life of the pump and maintain optimal operation.

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 1/2" in size and resist clogging better than a traditional two-vane impeller
- Cast iron motor housing for optimal heat dissipation
- Corrosion resistant hardware for lifetime use
- Cast iron suction strainer encompasses entire base-designed 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)
- Three (3) year standard warranty (four (4) years for GPDA members)

Applications

Specially designed for the following uses:

- Basement draining
- Water transfer
- Dewatering
- Filtered effluent

Specifications

- Discharge size: 1 1/2" 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 (1/2 HP) Polypropylene (1/3 HP)
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

Motor

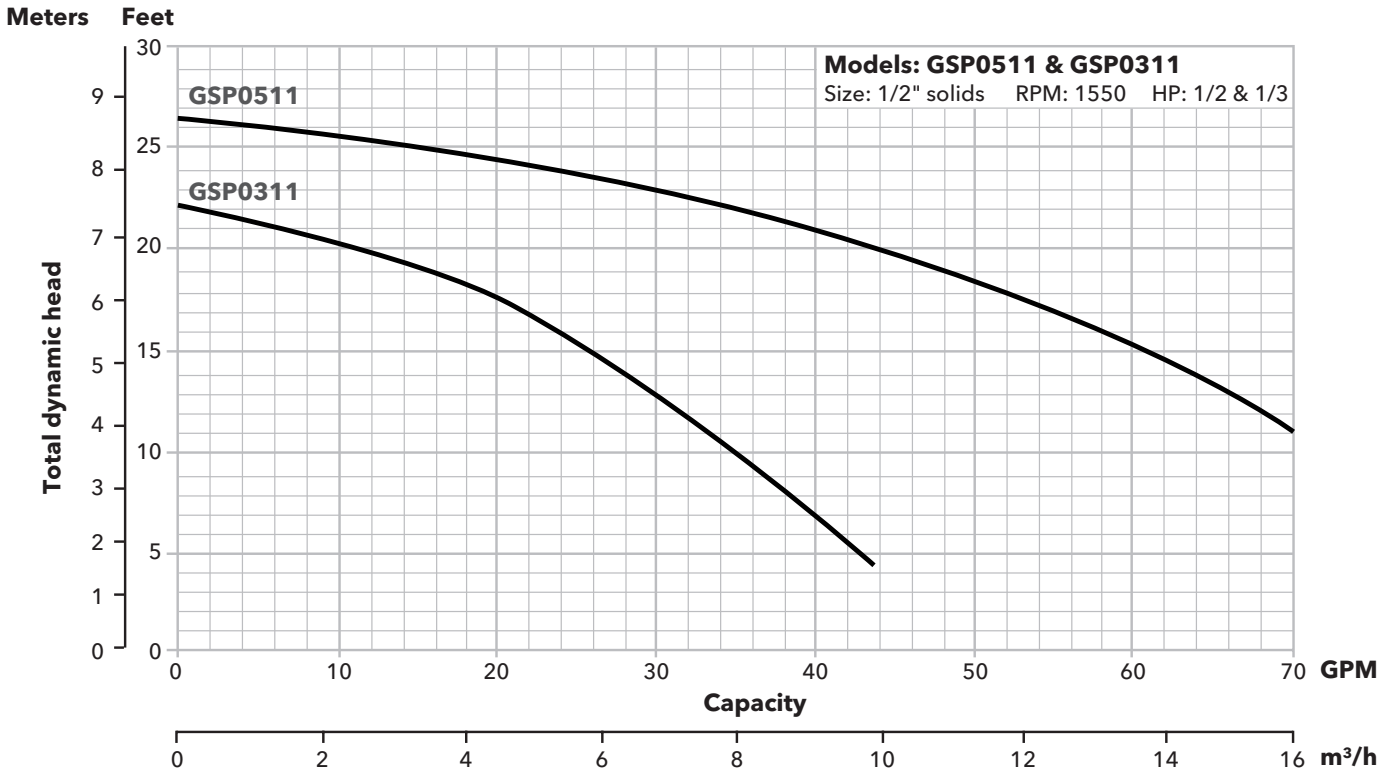
- 1/3 hp, 115V, 60 Hz, single phase, 10 amps maximum, 1550 rpm
- 1/2 hp, 115V, 60 Hz, single phase, 8 amps maximum, 1550 rpm
- Automatic built in vertical float
- Built-in thermal overload protection
- Oil filled design
- 1/3 hp power cord: nine (9) foot standard length with NEMA 5-15P plug (Also available with 25 foot cord)
- 1/2 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)

Performance curves



Model information

Model	Part no.	HP	Volts	Amps	Minimum circuit breaker	Phase	Float switch style	Cord length ft (m)	Discharge connection	Minimum on level in (mm)	Minimum off level in (mm)	Minimum basin diameter ft (m)	Max. solids size in (mm)	Shipping weight lb (kg)
GSP	GSP0511	1/2	115	8	15	1	Vertical	15 (4.6)	1 1/2"	8 1/2 (215.9)	3 (76)	1 (.3)	1/2 (12.7)	38 (17)
GSP	GSP0311	1/3	115	10	15	1	Vertical	9 (2.7)	1 1/2"	7 1/4 (184.2)	3 1/2 (89)	1 (.3)	1/2 (12.7)	27 (12)
GSP	GSP0311-25	1/3	115	10	15	1	Vertical	25 (7.6)	1 1/2"	7 1/4 (184.2)	3 1/2 (89)	1 (.3)	1/2 (12.7)	28 (13)

GSP0311 performance ratings

Total Head (feet of water) ft (m)	GPM (LPM) gpm (lpm)	GPH (LPH) gpm (lpm)
5 (1.5)	42 (159)	2,520 (9,538)
10 (3.1)	35 (132)	2,100 (7,949)
15 (4.6)	26 (98)	1,560 (5,905)
20 (6.1)	11 (42)	660 (2,498)

GSP0511 performance ratings

Total Head (feet of water) ft (m)	GPM (LPM) gpm (lpm)	GPH (LPH) gpm (lpm)
10 (1.5)	71 (269)	4,260 (16,124)
15 (4.6)	56 (212)	3,360 (12,718)
20 (6.1)	38 (144)	2,280 (8,630)
23 (7.0)	20 (76)	1,200 (4,542)

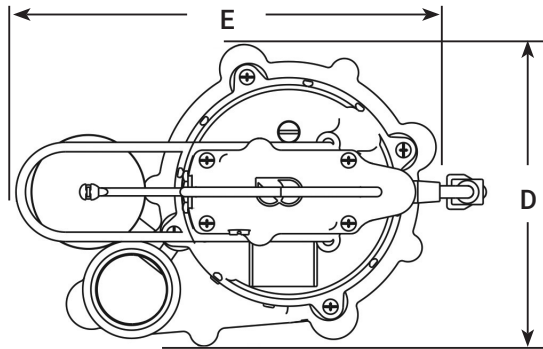
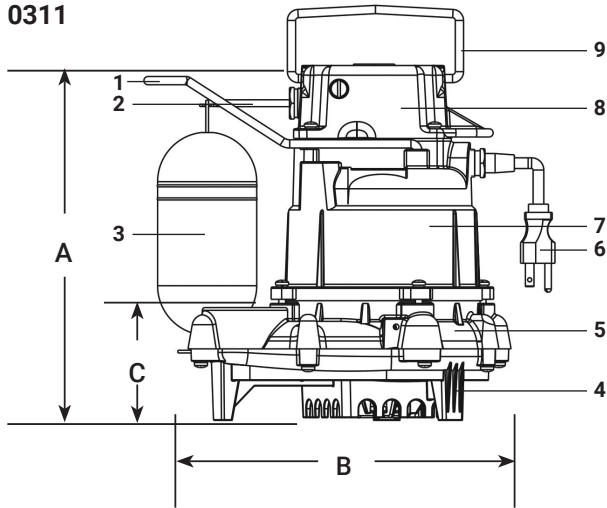
Dimensions

	A	B	C	D	E
GSP0311	10.2"	11.8"	3.25"	7.5"	11.8"
GSP0511	12"	10.6"	5"	7.4"	10.6"

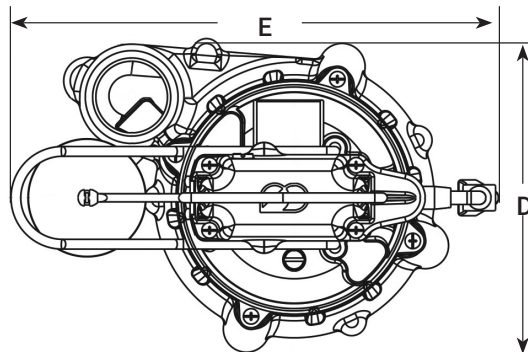
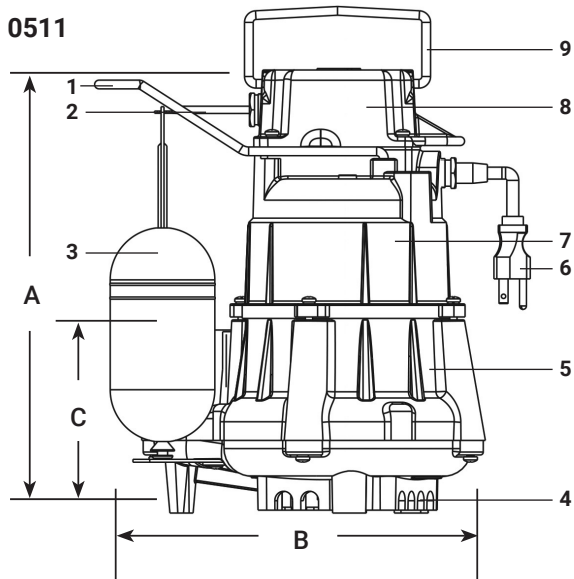
Components

Item no.	Description	Item no.	Description
1	Float bracket	6	Plug
2	Float rod	7	Motor dome
3	Float	8	Mechanical switch housing
4	Base	9	Handle
5	Seal housing		

0311



0511



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