



HP HYDROMATIC®

EXCLUSIVELY FOR THE PROFESSIONAL



PUMPS AND ACCESSORIES

**NEW
PRODUCTS**

COMMERCIAL GRADE
GRINDER AND
SOLIDS HANDLING PUMPS



When the power goes out...

**Protect your home
With a Battery Backup
Sump Pump System**



(Battery Backup Specifications on page 7)

MODEL NUMBER	CAPACITIES TO (GPM or GPH)	HEADS TO (TDH)	SOLIDS HANDLING	NPT DISCHARGE	MOTOR HP	ELECTRICAL PHASE - VOLTAGE	CORD LENGTH	PAGE NO.
SPECIAL PURPOSE PUMPS								
HCU15/HCU15S/HCU20S	200 GPH (757 LPH)	20 ft. (6.1 m)	-	-	-	1 - 115	6 ft.	4
HUP	22 GPM (83.3 LPM)	22 ft. (6.7 m)	1/8"	1"	1/6	1 - 115	10 ft.	4
HY106	5 GPM (18.9 LPM)	10 ft. (3 m)	-	-	-	1 - 115	6 ft.	5
HPUSP125	40 GPM (151.4 LPM)	14 ft. (4.3 m)	-	1-1/4"	1/6	1 - 115	8 ft.	5
SUMP PUMPS								
A+	32 GPM (121.1 LPM)	22 ft. (6.7 m)	1/4"	1-1/2"	1/4	1 - 115	-	6
FG-100A	30 GPM (113.6 LPM)	16 ft. (4.88 m)	-	1-1/4" or 1-1/2"	-	12V	8 ft.	7
FG-200A	45 GPM (170.3 LPM)	18 ft. (5.5 m)	-	1-1/4" or 1-1/2"	-	12V	-	7
B-A1/BV-A1	32 GPM (2.0 LPS)	22 ft. (6.7 m)	1/4"	1-1/2"	1/4	1 - 115	10 ft./20 ft.	8
B75-M1/B75-V1	100 GPM (6.3 LPS)	25 ft. (7.6 m)	1/8"	1-1/4" or 1-1/2"	3/4	1 - 115	10 ft./20 ft.	9
W-A1/D-A1/V-A1	48 GPM (2.8 LPS)	25 ft. (7.6 m)	1/2"	1-1/2"	3/10	1 - 115	10 ft./20 ft.	10
HP33/HP50	62 GPM (235 LPM)	32 ft. (9.8 m)	1/2"	1-1/2"	1/3, 1/2	1 - 115	10 ft./20 ft.	11
HTS33A1	44 GPM (2.7 LPS)	19 ft. (5.8 m)	3/4"	1-1/2"	1/3	1 - 115	20 ft.	11
HTS50A1	100 GPM (378 LPM)	50 ft. (15.2 m)	3/4"	2"	1/2	1 - 115	20 ft.	12
P33A1	54 GPM (3.4 LPS)	18 ft. (5.5 m)	1/4"	1-1/4"	1/3	1 - 115	8 ft.	12
SW/SD/VS33	48 GPM (3.0 LPS)	26 ft. (7.9 m)	3/8"	1-1/2"	1/3	1 - 115	10 ft./20 ft.	13
SW/SD/VS50	65 GPM (4.1 LPS)	29 ft. (8.8 m)	3/4"	1-1/2"	1/2	1 - 115	10 ft./20 ft.	13
EFFLUENT PUMPS								
OSP50	60 GPM (3.8 LPS)	25 ft. (7.6 m)	5/8"	1-1/2"	1/2	1 - 115, 230	10 ft./20 ft.	14
OSP50AB	60 GPM (3.8 LPS)	25 ft. (7.6 m)	5/8"	1-1/2"	1/2	1 - 115	20 ft.	14
SPX50	95 GPM (6.0 LPS)	25 ft. (7.6 m)	2"	2"	1/2	1 - 208, 230	20 ft.	15
SPX50H	73 GPM (4.6 LPS)	36 ft. (11.0 m)	3/4"	1-1/2"	1/2	1 - 208, 230	20 ft.	15
SPD50H	112 GPM (7.1 LPS)	50 ft. (15.2 m)	3/4"	2"	1/2	1 - 115, 230; 3 - 208, 230, 460, 575	10 ft./20 ft.	16
SPD100H	140 GPM (8.8 LPS)	65 ft. (19.8 m)	3/4"	2" or 3"	1	1 - 230; 3 - 208, 230, 460, 575	20 ft.	16
SKHD150	55 GPM (3.5 LPS)	127 ft. (39 m)	3/4"	1-1/2"	1-1/2	1 - 230; 3 - 208, 230, 460, 575	20 ft.	17
SHEF30	44 GPM (2.8 LPS)	24 ft. (7.3 m)	3/4"	1-1/2"	3/10	1 - 115	20 ft.	17
SHEF40	70 GPM (4.4 LPS)	35 ft. (10.7 m)	3/4"	1-1/2"	4/10	1 - 115, 230	20 ft.	18
SHEF45	87 GPM (5.5 LPS)	44 ft. (13.4 m)	3/4"	2"	1/2	1 - 115, 230	20 ft./30 ft.	18
SHEF50	63 GPM (4.0 LPS)	63 ft. (19.2 m)	3/4"	2"	1/2	1 - 115, 208, 230; 3 - 230, 460, 575	20 ft./30 ft.	19
SHEF100	88 GPM (5.5 LPS)	90 ft. (27.4 m)	3/4"	2"	1	1 - 208, 230; 3 - 230, 460, 575	20 ft./30 ft.	19
HEB-51 - HE35-51	50 GPM (189 LPM)	300 ft. (91.4 m)	-	1-1/2"	1/2, 1-1/2	1 - 115, 230	10 - 100 ft.	20
SEWAGE PUMPS								
SP40	120 GPM (7.5 LPS)	28 ft. (8.5 m)	1-1/4"	2"	4/10	1 - 115, 230	10 ft./20 ft.	21
SP50	140 GPM (8.8 LPS)	28 ft. (8.5 m)	1-1/2"	2"	1/2	1 - 115, 208, 230; 3 - 208, 230, 460, 575	10 ft./20 ft.	21
BV40	77 GPM (4.8 LPS)	19 ft. (5.8 m)	2"	2"	4/10	1 - 115	10 ft./20 ft.	22
SKV40	78 GPM (4.9 LPS)	19.5 ft. (5.9 m)	2"	2"	4/10	1 - 115, 230	10 ft./20 ft.	23
SKV50	180 GPM (11.3 LPS)	20 ft. (6.1 m)	2"	2"	1/2	1 - 115, 230	10 ft.	23
SKHS50	138 GPM (8.7 LPS)	45 ft. (13.7 m)	2"	2"/3"	1/2	1 - 115, 208, 230; 3 - 208, 230, 460, 575	20 ft.	24
SKHS100	160 GPM (10.1 LPS)	58 ft. (17.7 m)	2"	2"/3"	1	1 - 208, 230; 3 - 208, 230, 460, 575	20 ft.	24
SKHS150	146 GPM (9.2 LPS)	70 ft. (21.3 m)	2"	2"/3"	1-1/2	1 - 208, 230; 3 - 208, 230, 460, 575	20 ft.	24
SKHS200	175 GPM (11.0 LPS)	75 ft. (22.9 m)	2"	2"/3"	2	1 - 230; 3 - 208, 230, 460, 575	20 ft.	24
SK50	112 GPM (7.1 LPS)	24 ft. (7.3 m)	2"	2"/3"	1/2	1 - 115, 230	10 ft./20 ft.	25
SK60	120 GPM (7.5 LPS)	28 ft. (8.5 m)	2"	2"/3"	6/10	1 - 115, 208, 230; 3 - 208, 230, 460, 575	10 ft./20 ft.	25
SK75	150 GPM (9.5 LPS)	34 ft. (10.4 m)	2"	2"/3"	3/4	1 - 208, 230; 3 - 208, 230, 460, 575	20 ft.	26
SK100	156 GPM (9.8 LPS)	38 ft. (11.6 m)	2"	2"/3"	1	1 - 208, 230; 3 - 208, 230, 460, 575	20 ft.	26
S3S/SB3S	335 GPM (21.1 LPS)	40 ft. (12.2 m)	2-1/2"	3"/3" Flange	1-1/2 to 3	1 - 208, 230; 3 - 208, 230, 460, 575	35 ft.	27
S4S/SB4S	590 GPM (37.2 LPS)	55 ft. (16.8 m)	3-1/2"	4"/4" Flange	3 to 7-1/2	1 - 208, 230; 3 - 208, 230, 460, 575	35 ft.	28
GRINDER PUMPS								
HPGR200	58 GPM (3.7 LPS)	105 ft. (32.0 m)	-	1-1/4"	2	1 - 230	20 ft.	29
HPGR200-D/Retrofit	42 GPM (2.7 LPS)	105 ft. (32.0 m)	-	1-1/4"	2	1 - 230; 3 - 230, 460	20 ft.	30
PACKAGED SYSTEMS								
ODS Series			31			JB-1		34
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HCU15/15S/20S

Ideal for the automatic removal of excess liquid which results from condensation



Typical Application	Air conditioner, dehumidifier, ice maker, high-efficiency furnaces, refrigeration systems, water coolers
Capacities	up to 200 GPH (757 LPH)
Heads	20 ft. (6.1 m)
Liquids	Drain water
Tank Capacities	2 quarts
Temperature	190°F (88°C)
Motor	Electrical bearingless sealed motor
Full Load Amps	1.45
Voltage	115
Hertz	60
Unit Weight	3.25 lbs.
Dimensions	11" x 5" x 4-3/4"
Housing	Thermoplastic
Power Cord	6'

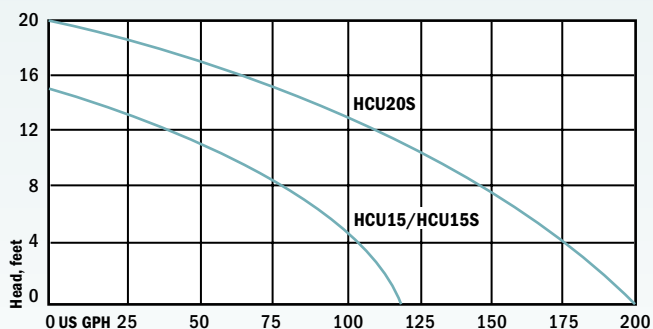
Superior Features

Advantages by design:

- Lifts to 20'
- Built-in safety switch (HCU15S and HCU20S only)
- Thermal overload protection
- High-temperature housing
- Built-in check valve

- Double-insulated enclosure
- Provides longer life than similar size condensate units
- Bearingless sealed motor offers a more reliable, longer life product
- For indoor use only

Performance



HUP

Ideal for light-duty drainage applications such as flooded basements, flat roofs and swimming pool covers

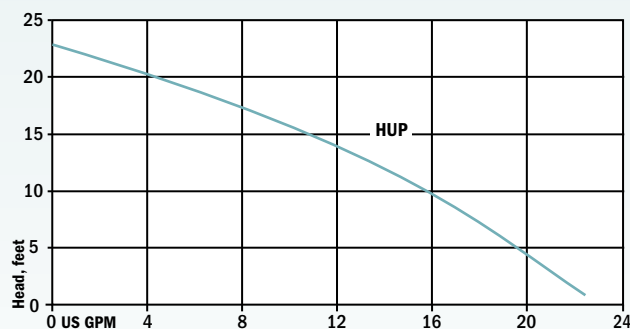


Typical Application	Light-duty drainage, flooded basements, flat roofs, swimming pool covers
Capacities	up to 22 GPM (83.3 LPM)
Heads	up to 22 ft. (6.7 m)
Liquids	Drain water
Intermittent Liquid Temp.	up to 140°F (60°C)
Electrical	115V, 1Ø, 60Hz
Motor	1/6 HP PSC, air-filled & water-cooled
Acceptable pH Range	6-9
Operation	Manually
Materials of Construction	Thermoplastic
Discharge Size	1" NPT (25.4 mm)
Solids Handling	1/8" (3.18 mm)
Power Cord	10' , SJTW, or SJTW-A

Superior Features

- Removes standing water down to 1/8" depth
 - Weighs only 7 lbs.
 - Built-in carrying handle
 - Efficient PSC motor uses only 2A
 - Air-filled motor housing; no oil required
 - Carbon/Ceramic mechanical seal lasts ten times longer than lip seals
 - Built-in thermal overload protection
- Advantages by design:**
- To operate, just attach a standard hose to pump discharge and plug into any 115V outlet
 - Provides longer life than similar size dewatering pumps

Performance



HY106

Ideal for transferring water, filling tanks and draining shallow flooded areas



Typical Application	Transferring water; filling tanks; draining shallow flooded areas; emptying water beds, aquariums or non-draining sinks
Capacities	5 GPM (18.9 LPM)
Shut-off Head	10 ft. (3.1 m)
Weight	4 lbs.
Liquids Handling	Drain water
Intermittent Liquid Temp.	104°F (40°C)
Motor	Air-cooled brush motor
Electrical Data	115V, 2A, 1Ø, 60Hz
Discharge	Standard garden hose
Power Cord	6'

Superior Features

- Advantages by design:**
- Up to 5 GPM with 10' head
 - Connects to standard garden hose
 - 115VAC with 6' power cord
 - Removes standing water down to 1/8" depth
 - Weighs only 4 lbs.
 - Bearingless sealed motor offers a more reliable, longer life product
 - For indoor use only
 - Built-in carrying handle
 - Includes 6' suction hose and floor drainer
 - To operate, just attach a standard hose to pump discharge and plug into any 115V outlet
 - Air-cooled, high-torque, non-submersible motor with overload protection

HPUSP125

Designed to be used with a sink where gravity drain line is not available

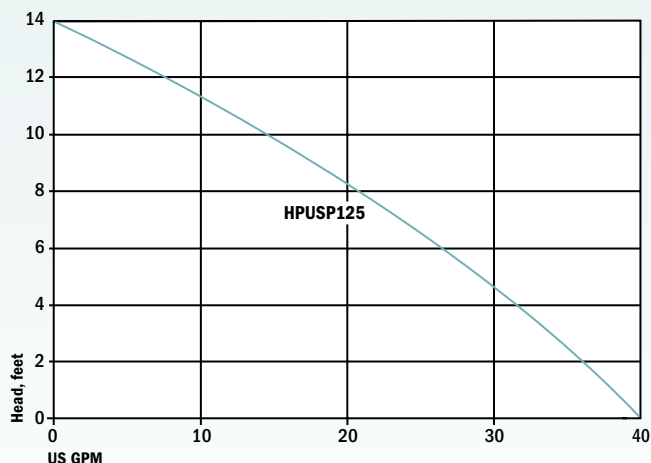


Typical Application	Perfect for basement wet bars, laundry and utility sinks
Capacities	up to 40 GPM (151.4 LPM)
Heads	up to 14 ft. (4.3 m)
Liquids	Drain water
Liquid Temp.	up to 120°F (49°C)
Electrical	115V, 15 amps, 1Ø, 60Hz
Motor	1/6 HP
Operation	Automatic
Materials of Construction	Thermoplastic
Discharge Size	1-1/4" NPT (31.8 mm)
Power Cord	8'

Superior Features

- Advantages by design:**
- Easy to install; eliminates the need for traps, vents and costly labor
 - Quiet, trouble-free operation
 - Easily mounts beneath your sink
 - Complete compact system
 - Fully automatic operation

Performance



SPECIAL

A+

The A+ system converts 12V DC into 115V AC to run your Hydromatic B-A1 pump (included) during power outages

Typical Application	Emergency dewatering
Capacities	32 GPM (121.1 LPM)
Heads	up to 22 ft. (6.7 m)
Liquids Handling	Sump drain water
Water Temp.	140°F (60°C) intermittent
Housing	Thermoplastic

Superior Features

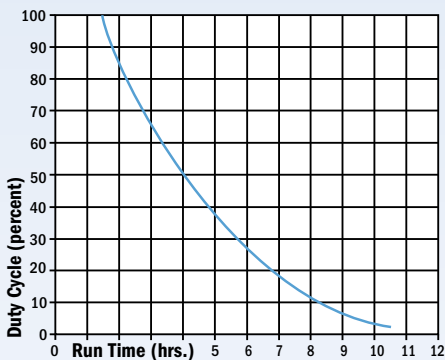
- Includes Hydromatic B-A1 or BV-A1 pump
- Automatically charges the battery. Runs the pump off of line power when available, avoiding unnecessary battery drain down
- Three indicator lights tell you the status of the system at all times
- Electronics are fan cooled for optimum efficiency and reliability
- Powder coated electronics enclosure for maximum durability and corrosion resistance
- Automatically checks for restored power in the AC line every five minutes
- Battery sold separately



Performance



Duty Cycle Performance



FG-100A

Protects home if
AC-powered pump fails

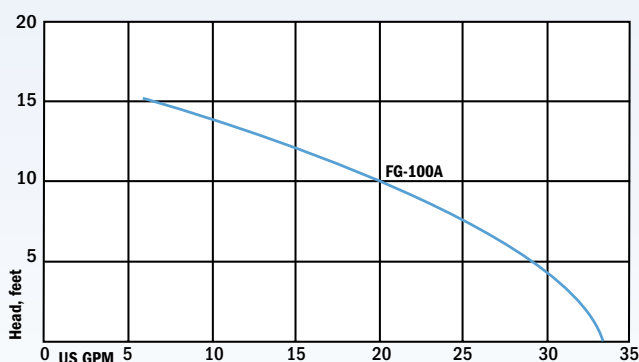


Typical Application	Emergency dewatering
Capacities	30 GPM (113.6 LPM)
Heads	16 ft. (4.88 m)
Liquids Handling	Sump drain water
Intermittent Liquid Temp.	77°F (25°C)
Motor	12V DC, 9A
Charger	Fully automatic, computerized monitoring and alarm system; input - 115V AC, 60Hz; output - 12V AC, 2A (5 stages)
Check Valve	Dual check valves included
Housing	Thermoplastic
Discharge NPT	1-1/4" or 1-1/2"
Power Cord	8', SJT, 16/2 GA

Superior Features

- 30 GPM (113.6 LPM), 2 amp 5-stage charging system
- Pipe-mounted vertical float switch and built-in alarm automatically start back-up system and activate alarm
- Controller includes connectors for pump, charger, float switch and battery
- Dual check valves for connection to an existing sump pump
- Re-settable circuit breaker eliminates the need for a fuse
- Area light illuminates powerless work area
- Plug-in style connectors for quick, easy installation
- Battery sold separately

Performance



FG-200A

8 amp multi-stage
charging system
(UL/CUL approved)
with steel enclosure
provides the strongest
battery charge

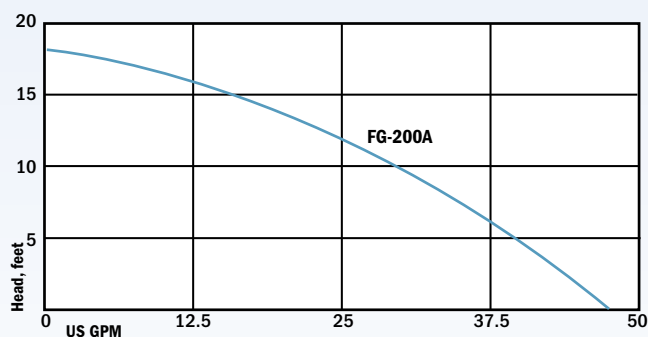


Typical Application	Emergency dewatering
Capacities	45 GPM (170.3 LPM)
Heads	18 ft. (5.49 m)
Liquids Handling	Sump drain water
Intermittent Liquid Temp.	up to 77°F (25°C)
Motor	12V DC, 18A
Charger	Fully automatic, computerized monitoring, control and alarm system; input - 115V AC, 60Hz; output - 12V AC, 8A (5 stages)
Check Valve	Included
Housing	Thermoplastic

Superior Features

- 45 GPM (170.3 LPM), 8 amp 5-stage charging system
- Thermoplastic pump with steel case charger enclosure
- 1-1/4" (32 mm) NPT threaded discharge; adapts to 1-1/4" (32 mm) and 1-1/2" (38.1 mm) NPT
- High volume ideal for active sump pits
- Plug-in style connectors for quick and easy installation
- Audio and visual alarms keep you informed of status at all times
- Check valve and battery case included
- Fits most new and existing sump pits
- Battery sold separately

Performance



SUMP

B-A1/BV-A1

Engineered for many years of maintenance-free operation

Typical Application	Basement sumps, dewatering, utility
Pump/Motor Unit	Submersible sump pump
Automatic Models	B-A1/BV-A1
Heads	up to 22 ft. (6.71 m)
Capacities	32 GPM (2.01 LPS)
Motor	1/4 HP (3450 RPM); PSC, 115V, 6.5 FLA, 1Ø, 60Hz
Water Temperature	140°F (60°C) intermittent
Insulation	Class A
Discharge Size	1-1/2" NPT
Solids Handling	1/4"
Unit Weight	15 lbs.
Power Cord	SJTW, 10' std. (20' optional)
Handle	Thermoplastic
Lubricating Oil	Dielectric oil
Construction	Cast iron/thermoplastic
Shaft	Steel
Mechanical Shaft Seal	Seal faces: Carbon/Ceramic Seal body: Anodized steel Spring: Stainless steel Bellows: Buna-N
Impeller	Thermoplastic
Upper/Lower Bearing	Ball bearing
Bottom Plate	Thermoplastic
Fasteners	Stainless steel
Min. Sump Diameter	
Wide Angle:	18" (457.2 mm)
Vertical:	10" (267 mm)

Superior Features

- 1/4 HP, 3450 RPM motor powers the vane-type semi-open impeller for high efficiency
- Oil-filled motor for heat dissipation and continuous lubrication
- Mechanical shaft seal assures reliable operation
- Cast iron motor housing



B-A1

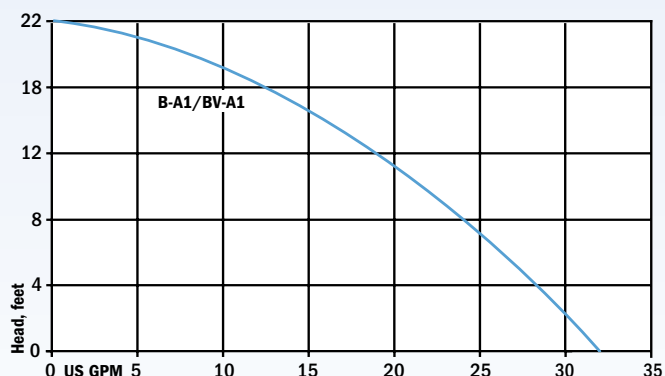
Wide-Angle
Float Switch



BV-A1

Vertical
Float Switch

Performance



B75-M1/B75-V1

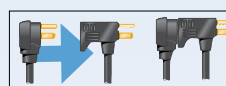
Oil-filled motor with automatic reset overload provides safe operation

Typical Application	Basement sumps, dewatering, utility
Capacities	100 GPM (6.3 LPS)
Heads	25 ft. (7.6 m)
Operation	Automatic or manual
Solids Handling	1/8" (3.2 mm)
Liquids Handling	Drain water
Continuous Liquid Temp.	77°F (25°C)
Motor Electrical Data	3/4 HP (3450 RPM); PSC with thermal overload protection, 115V, 7.5 FLA, 1Ø, 60Hz
Acceptable pH Range	6-9
Shaft Seal	Double lip
Housing	Resin and stainless steel
Power Cord	10' (3 m) or 20' (6 m), 16/3, STJW, STJW-A
Discharge	1-1/4" or 1-1/2" with adapter
Min. Sump Diameter	Wide Angle = 14" (345 mm) Vertical = 10" (254 mm)



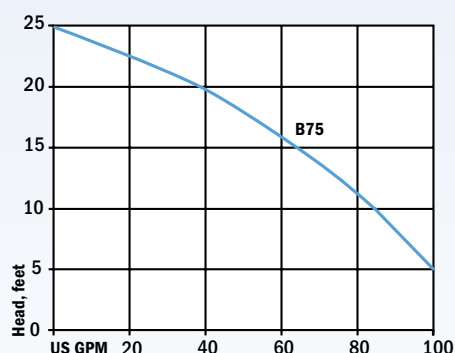
Superior Features

- 3/4 HP
- Energy-efficient PSC motor
- Includes check valve and universal adapter for 1-1/4" (32 mm) or 1-1/2" (38.1 mm) pipe
- High-impact resin and stainless steel construction
- Piggyback-style float for automatic or manual operation
- Ball-bearing construction for long life
- Easily replaceable power cord with optional lengths available



Piggyback Switch Plug

Performance



SUMP

HYDRAMATIC

W-A1/D-A1 & V-A1

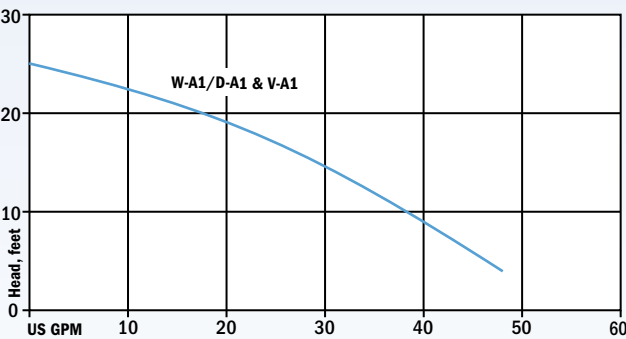
The most popular series of Hydromatic submersible sump pumps

Typical Application	Basement sumps, dewatering
Capacities	up to 48 GPM (2.8 LPS)
Heads	up to 25 ft. (7.6 m)
Electrical	115V, 1Ø, 8 FLA, 60Hz
Motor	3/10 HP shaded pole with thermal overload protection 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	D-A1 = 12" (304.8 mm) W-A1 = 18" (457.2 mm) V-A1 = 12" (304.8 mm)
Automatic Operation	W = Wide-angle float switch D = Diaphragm pressure switch V = Vertical float switch
Materials of Construction	Cast iron and engineered thermoplastic
Impeller	Thermoplastic vortex
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	1/2" (12.7 mm)
Power Cord	10' SJTW (20' optional)

Superior Features

- Carbon/Ceramic mechanical seal
- Oil-filled motor with automatic reset thermal overload
- Uses single-row ball-bearing construction
- Piggyback plug available for easy maintenance and replacement

Performance



W-A1
Wide-Angle
Float Switch



D-A1
Diaphragm
Pressure
Switch



V-A1
Vertical
Float Switch

HP33/HP50

Ideal for applications with small diameter sump pits

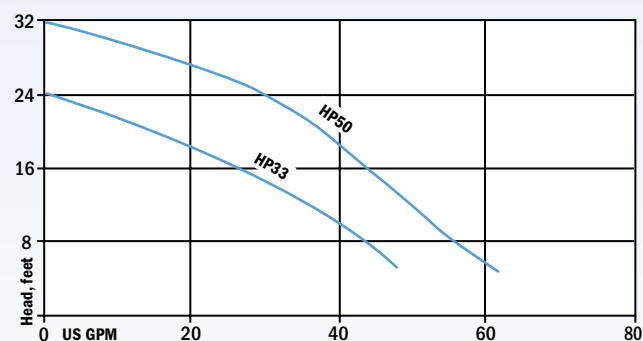


Typical Application	Basement sumps, dewatering, light effluent, water transfer
Capacities	up to 62 GPM (235 LPM)
Heads	up to 32 ft. (9.8 m)
Electrical	1/3 HP, 115V, 1Ø, 9.8A, 60Hz; 1/2 HP, 115V, 1Ø, 12A, 60Hz;
Motor	1/3 or 1/2 HP shaded pole with thermal overload, 1550 RPM
Continuous Liquid Temperature	130°F (54°C)
Minimum Recommended Sump Diameter	10" (25.4 cm)
Automatic Operation	2-Pole float switch
Materials of Construction	Cast iron
Impeller	Thermoplastic, vortex type
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	1/2" (12.7 mm)
Power Cord	10', 20' or 30' 16/3, SJTW-A, SJTW

Superior Features

- 2-pole switch design permits easier fit in sump pits as small as 10" in diameter
- Oil-filled motor for maximum heat dissipation
- Thermal overload protection, shaded pole motor with no starting switch or relay
- Carbon/ceramic seal protects motor against water leakage
- Lubricated ball bearings and shaft seal for longer service life
- Easy field-serviceable pump, intake screen volute base, switch and power cord
- Anti-airlock hole in base reduces labor

Performance



HTS33A1

Submersible sump pump designed for high temperatures up to 194°F

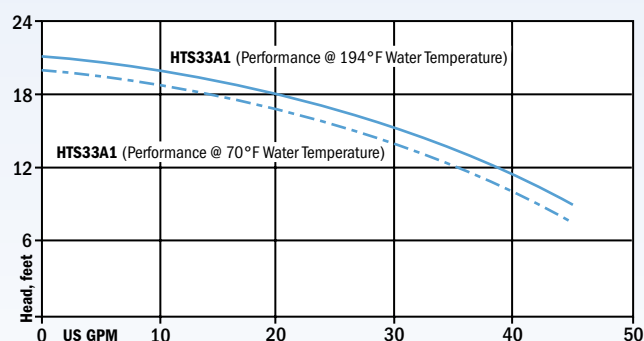


Typical Application	Boiler blow-down, condensate pits and hot water transfer
Capacities	up to 45 GPM (170 LPM)
Heads	up to 21 ft. (6.4 m)
Electrical	115V, 1Ø, 12.0 FLA, 60Hz
Motor	1/3 HP shaded pole with thermal overload, 1550 RPM
Continuous Liquid Temperature	194°F (90°C) with switch; 200°F (93°C) manual
Minimum Recommended Sump Diameter	18" (457.2 mm)
Automatic Operation	Wide-angle float switch (manual available)
Materials of Construction	Cast iron
Impeller	Cast iron
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	20', 16/3, SJ00W-A/SJOW

Superior Features

- Easily field serviceable
- Oil-filled motor for bearing lubrication and maximum heat dissipation
- Thermal overload protection, shaded pole motor with no starting switch or relay
- Heavy cast-iron motor housing for cooler motor which extends the life
- Maintenance-free operation
- Wide-angle, mercury-free, high-temperature mechanical float switch
- Automatic piggyback models available but can be operated manually by plugging directly into outlet
- Cast-iron vortex impeller and volute passes 3/4" solids

Performance



SUMP

HTS50A1

Submersible sump pump designed for high temperatures up to 200°F

Shown with PW217-280 control panel required, (sold separately)

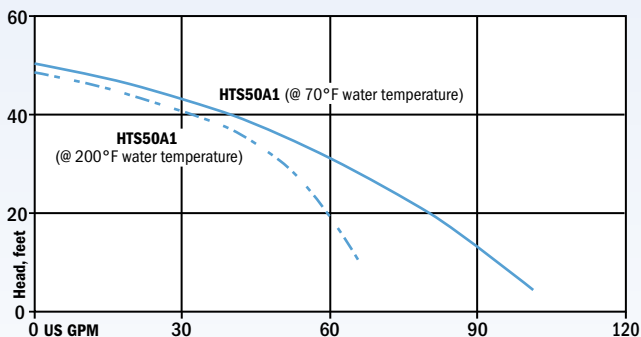


Typical Application	High-capacity sump, effluent, boiler blow-down
Capacities	up to 100 GPM (378 LPM)
Heads	up to 50 ft. (15.2 m)
Electrical	115V, 1Ø, 12.0 FLA, 60Hz
Motor	1/2 HP PSC with thermal overload, 3450 RPM
Maximum Liquid Temperature	200°F (93°C)
Minimum Recommended Sump Diameter	18" (457.2 mm)
Automatic Operation	Wide-angle float with PW217-280 Control Panel
Materials of Construction	Cast iron
Impeller	Cast iron
Discharge Size	2" NPT (50.8 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	20', 16/4, SOOW-A/SOOW

Superior Features

- High-capacity sump, effluent, boiler blow-down
- Dual silicon carbide mechanical seals for longer life
- Oil-filled motor for bearing lubrication and maximum heat dissipation
- Thermal overload protection, PSC motor with no starting switch or relay
- Heavy cast-iron motor housing for cooler motor which extends the life
- Maintenance-free operation
- Wide-angle, mercury-free, high-temperature mechanical float switch
- Cast-iron vortex impeller and volute passes 3/4" solids

Performance



P33A1

Ideal for basements needing frequent drainage

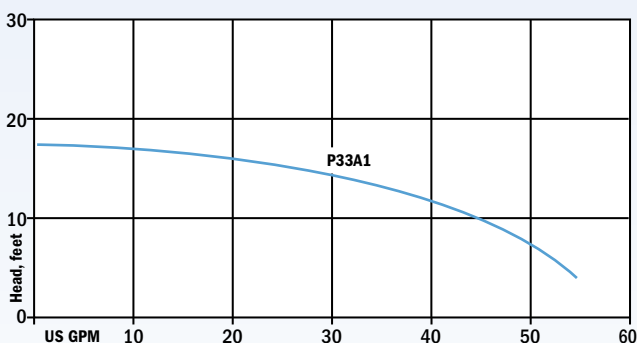


Typical Application	Basement sumps, dewatering
Capacities	up to 54 GPM (3.4 LPS)
Heads	up to 18 ft. (5.49 m)
Electrical	115V, 1Ø, 3.5 FLA, 60Hz
Motor	1/3 HP shaded pole, 1725 RPM
Minimum Recommended Sump Diameter	12" (304.8 mm)
Automatic Operation	Mechanical float with rod
Materials of Construction	Engineered thermoplastic
Impeller	Thermoplastic
Discharge Size	1-1/4" NPT (31.8 mm)
Solids Handling	1/4" (6.4 mm)
Power Cord	6', 16/3, SJT

Superior Features

- Quick and easy installation
- Fits 12" diameter x 24" deep or larger sump pits
- Available with corrosion-resistant thermoplastic or cast iron pump housing and base
- Built-in reliability, ease of operation
- Split-phase motors; no starting switches or relays required
- Thermal overload protection to prevent motor overload
- Adjustable float switch for easy accessibility
- Top-screened inlet to reduce clogging

Performance



SW/SD/VS33 & 50

Durable 1/3 and 1/2 HP submersible sump pumps



33 Series

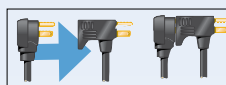
Typical Application	Basement sumps, dewatering, light effluent
Capacities	SW/SD/VS33 - to 48 GPM (3.0 LPS)
Heads	SW/SD/VS33 - to 26 ft. (7.9 m)
Electrical	SW/SD/VS33 - 115V, 1Ø, 10 FLA, 60Hz
Motor	SW/SD/VS33 - 1/3 HP shaded pole with thermal overload protection, 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	SD/VS33 = 12" (304.8 mm) SW33 = 18" (457.2 mm)
Automatic Operation (manual available)	SW = Wide-angle float switch SD = Diaphragm pressure switch VS = Vertical float switch
Materials of Construction	Cast iron and engineered thermoplastic
Impeller	Thermoplastic vortex
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	3/8" (9.5 mm)
Power Cord	10', SJTW (20' optional)

50 Series

Typical Application	Basement sumps, dewatering, light effluent
Capacities	SW/SD/VS50 - to 65 GPM (4.1 LPS)
Heads	SW/SD/VS50 - to 29 ft. (8.8 m)
Electrical	SW/SD/VS50 - 115V, 1Ø, 12 FLA, 60Hz
Motor	SW/SD/VS50 - 1/2 HP shaded pole with thermal overload protection, 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	SD/VS50 = 12" (304.8 mm) SW50 = 18" (457.2 mm)
Automatic Operation (manual available)	SW = Wide-angle float SD = Diaphragm pressure switch VS = Vertical float switch
Materials of Construction	Cast iron and engineered thermoplastic
Impeller	Thermoplastic two-vane semi-open
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	10', SJTW (20' optional)

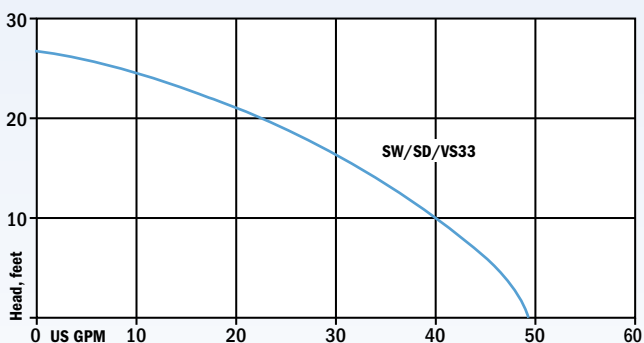
Superior Features

- Carbon/Ceramic mechanical seal
- Oil-filled motor with automatic reset thermal overload
- Uses single-row ball-bearing construction
- Piggyback plug available for easy maintenance and replacement

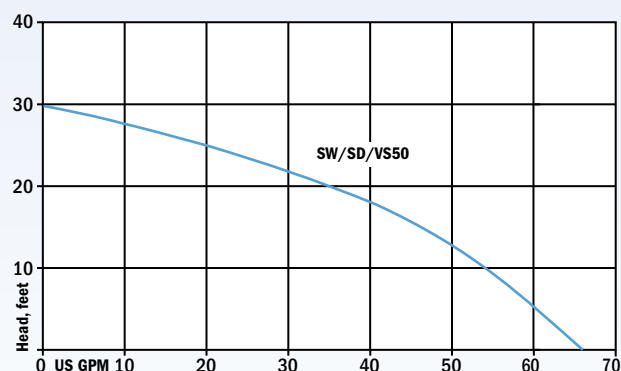


Piggyback Switch Plug

Performance



Performance



SUMP

HYDRAMATIC®

OSP50

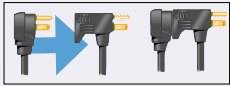
Continuous duty rated
submersible effluent pump



Typical Application	Effluent and dewatering
Capacities	up to 60 GPM (3.8 LPS)
Heads	up to 25 ft. (7.6 m)
Electrical	115V, 1ø, 9.5 FLA, 60Hz 230V, 1ø, 5.2 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Diaphragm pressure switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Open vane naval bronze or thermoplastic vortex
Discharge Size	1-1/2" NPT (38.1 mm); 2" NPT (50.8 mm)
Solids Handling	5/8" (15.9 mm)
Power Cord	10', SJTW (20' optional)

Superior Features

- Continuous duty rated
- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection
- Upper and lower single-row ball-bearing construction
- Piggyback plug available for easy maintenance and replacement



Piggyback Switch Plug

OSP50AB

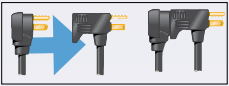
Naval bronze construction
for corrosion resistance



Typical Application	Corrosive liquids, effluent and dewatering
Capacities	up to 60 GPM (3.8 LPS)
Heads	up to 25 ft. (7.6 m)
Electrical	115V, 1ø, 9.5 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Diaphragm pressure switch (manual available)
Materials of Construction	Naval bronze
Impeller	Bronze
Discharge Size	1-1/2" NPT (38.1 mm); 2" NPT (50.8 mm)
Solids Handling	5/8" (15.9 mm)
Power Cord	20', STW-A

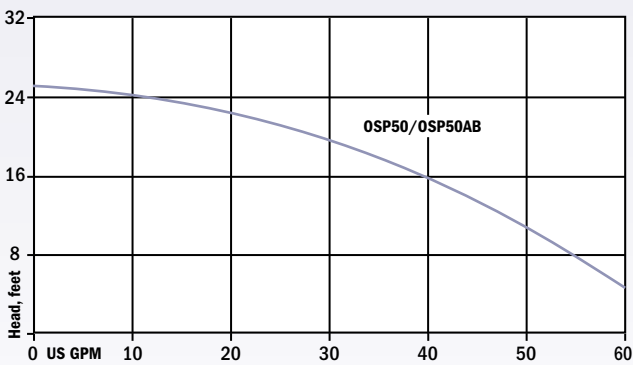
Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection
- Upper and lower single-row ball-bearing construction



Piggyback Switch Plug

Performance



SPX50/SPX50H

Rugged, submersible, explosion-proof sump pumps for municipal, commercial and industrial use

Typical Application	Class I, Division I, Group D hazardous locations
Pump/Motor Unit	Submersible explosion-proof pump
Phase	1Ø
Voltage	208/230
Horsepower	1/2 HP
Run Amps	5.9/5.3
Motor	Oil-cooled induction, capacitor start
RPM	1750
Temp. Stator	Max. design 266°F (130°C)
Operation	Intermittent
Coolant Oil	Oil flash pt. 390°F (199°C)
Hertz	60Hz
Heat Sensor	Bimetallic
Temperature	Max. water 140°F (60°C)
NEMA Design	SPX50: Type N SPX50H: Type N
Insulation	Class B
Discharge Size	SPX50 2" NPT SPX50H 1-1/2" NPT
Solids Handling	SPX50 - 2" SPX50H - 3/4"
Unit Weight	SPX50 80 lbs. SPX50H 77 lbs.
Power Cord	Type SOW with SOW-A, water-resistant, 20' 14/4 600V, 60°C, CSA approved
Motor Housing	Cast iron ASTM-48, 76
Pump Casting	Cast iron ASTM-48, 76
Coolant/Lubricant	Dielectric oil
Shaft	416 stainless steel
Mechanical	Dual: carbon/ceramic
Shaft Seal	Type 21 BF1C1
Impeller	Recessed, cast iron class 20 A-48-62
Upper Bearing	Ball radial 6203
Lower Bearing	Ball thrust 6306
Fasteners	316 stainless steel



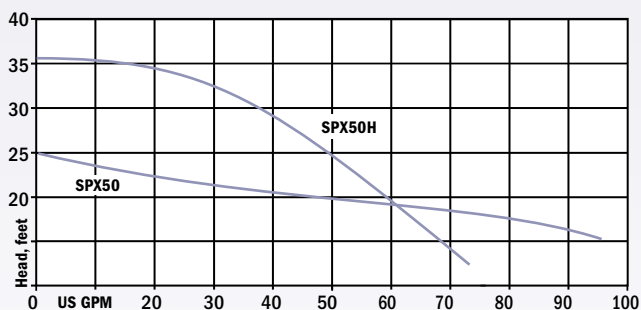
Package Systems Available

Hydromatic SPX50/SPX50H is recommended to be sold/used with Hydromatic's 913 listed control panel. Starting components included in panel.

Superior Features

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication
- Recessed impeller reduces radial bearing loads, increases bearing life
- High-torque capacitor start, single-phase motor for assured starting under heavy load
- On winding heat sensors will stop motor in case of overheating to prevent costly motor damage

Performance



EFFLUENT

SPD50H

Specifically designed to meet the demands of septic tank effluent applications that require a “high-head” dual seal pump



Typical Application	Effluent and dewatering
Capacities	up to 112 GPM (7.1 LPS)
Heads	up to 50 ft. (15.2 m)
Electrical	115V, 1Ø, 14 FLA, 60Hz; 230V, 1Ø, 7.0 FLA, 60Hz 208V, 3Ø, 3.6 FLA, 60Hz; 230V, 3Ø, 3.5 FLA, 60Hz 460V, 3Ø, 1.8 FLA, 60Hz; 575V, 3Ø, 1.9 FLA, 60Hz
Motor	(single phase) - 1/2 HP split phase with solid-state switch, start capacitor and thermal overload protection, 3450 RPM; (three phase) - 1/2 HP polyphase, 3450 RPM
Intermittent Liquid Temp.	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Automatic Operation	Diaphragm pressure switch (single phase only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron, two-vane
Discharge Size	2" NPT (50.8 mm) std.; 3" NPT (76.2 mm) opt.
Solids Handling	3/4" (19.1 mm)
Power Cord	1Ø (without seal failure probe) - 10', SJTW, STW-A (20' optional) 1Ø (with seal failure probe) & 3Ø - 20', STW-A

SPD100H

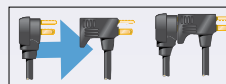
Specifically designed to meet the demands of septic tank effluent applications that require a “high-head” dual seal pump



Typical Application	Effluent and dewatering
Capacities	up to 140 GPM (8.8 LPS)
Heads	up to 65 ft. (19.8 m)
Electrical	230V, 1Ø, 9.9 FLA, 60Hz; 208V, 3Ø, 5.5 FLA, 60Hz; 230V, 3Ø, 5.2 FLA, 60Hz; 460V, 3Ø, 2.5 FLA, 60Hz; 575V, 3Ø, 2.0 FLA, 60Hz
Motor	(single phase) - 1 HP split phase with solid-state switch, start capacitor and thermal overload protection, 3450 RPM; (three phase) - 1 HP polyphase, 3450 RPM
Intermittent Liquid Temp.	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Automatic Operation	Wide-angle float switch (single phase only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron, two-vane nonclog
Discharge Size	2" NPT (50.8 mm) std.; 3" NPT (76.2 mm) opt.
Solids Handling	3/4" (19.1 mm)
Power Cord	1Ø (without seal failure probe) - 20', STW-A 1Ø (with seal failure probe) & 3Ø - 20', STW-A

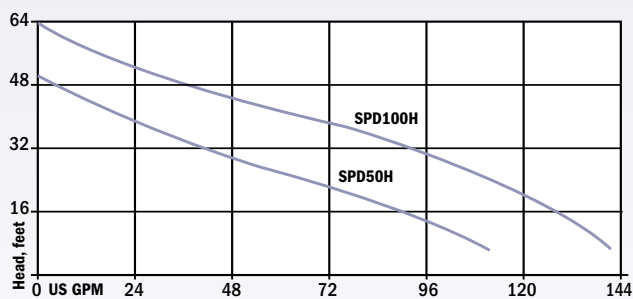
Superior Features

- Two (2) carbon/ceramic type 21 mechanical seals mounted in tandem
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper & lower ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement (automatic models only)
- Seal failure probe warns of seal leak (optional)
- Capacitor start for increased starting torque (one phase models)



Piggyback Switch Plug

Performance



SKHD150

Generates high heads for bigger drain fields

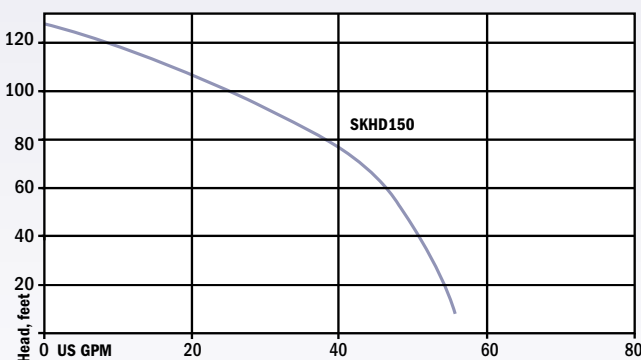


Typical Application	High-head effluent and dewatering
Capacities	up to 55 GPM (3.5 LPS)
Heads	up to 127 ft. (39 m)
Electrical	230V, 1Ø, 12 FLA, 60Hz; 208V, 3Ø, 6.1 FLA, 60Hz; 230V, 3Ø, 6.0 FLA, 60Hz; 460V, 3Ø, 2.5 FLA, 60Hz; 575V, 3Ø, 2.0 FLA, 60Hz
Motor	(single phase) - 1-1/2 HP split phase with solid-state switch, start capacitor and thermal overload protection, 3450 RPM; (three phase) - 1-1/2 HP polyphase, 3450 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Automatic Operation	Manual standard Optional - wide-angle float switch (1Ø only)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic semi-open
Discharge Size	1-1/2" NPT (38.1 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	1Ø (without seal failure probe) - 20', STW-A 1Ø (with seal failure probe) & 3Ø - 20', STW-A

Superior Features

- Two (2) carbon/ceramic type 21 mechanical seals mounted in tandem
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper & lower ball-bearing construction
- Seal failure probe warns of seal leak (optional)
- Capacitor start for increased starting torque (one phase models)

Performance



SHEF30

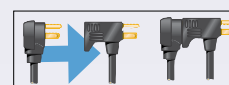
Cast iron body and oil-filled motor provide superior cooling characteristics for longer pump life



Typical Application	Sump/Effluent pump
Capacities	up to 44 GPM (2.8 LPS)
Heads	up to 24 ft. (7.3 m)
Electrical	115V, 1Ø, 8 FLA, 60Hz
Motor	3/10 HP shaded pole with thermal overload protection, 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (manual available)
Materials of Construction	Class 30 cast iron and engineered thermoplastic
Impeller	Thermoplastic vortex
Discharge Size	1-1/2" (38.1 mm) NPT
Solids Handling	3/4" (19.1 mm)
Power Cord	20', SJTW

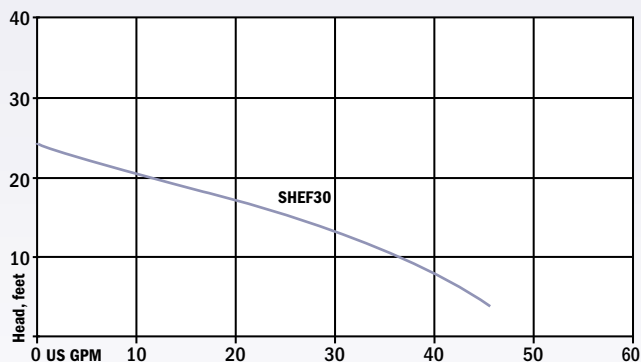
Superior Features

- Carbon/Ceramic mechanical seal
- Oil-filled motor with automatic reset thermal overload
- Uses single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement



Piggyback Switch Plug

Performance



EFFLUENT

HYDROMATIC®

SHEF40

Patented inlet design for better solids handling



Typical Application	High-head effluent and dewatering
Capacities	up to 70 GPM (4.4 LPS)
Heads	up to 35 ft. (10.7 m)
Electrical	115V, 1Ø, 12 FLA, 60Hz; 230V, 1Ø, 6 FLA, 60Hz
Motor	4/10 HP shaded pole with thermal overload protection, 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic two-vane semi-open
Discharge Size	1-1/2" (38.1 mm) NPT
Solids Handling	3/4" (19.1 mm)
Power Cord	20', SJTW (30' optional)

SHEF45

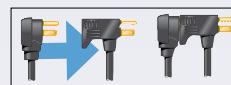
Cast iron impeller and non-clog base design for superior solids handling



Typical Application	Septic tank effluent, high head sump, dewatering
Capacities	up to 87 GPM (5.5 LPS)
Heads	up to 44 ft. (13.4 m)
Electrical	115V, 1Ø, 8.6 FLA, 60Hz; 230V, 1Ø, 4.3 FLA, 60Hz
Motor	1/2 HP shaded pole with thermal overload protection, 3450 RPM
Maximum Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide angle float switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Cast iron
Discharge Size	2" NPT (50.8 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	20', 115V: SJTW-A; 230V 1Ø: 16/3 SWT-A 30' (optional) 50' (optional)

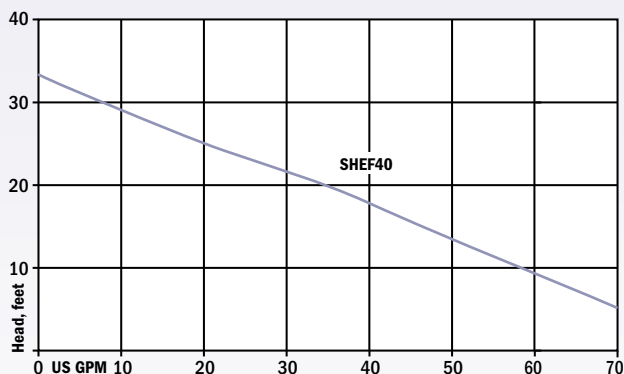
Superior Features

- Carbon/Ceramic mechanical seal
- Oil-filled motor with automatic reset thermal overload
- Uses single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement

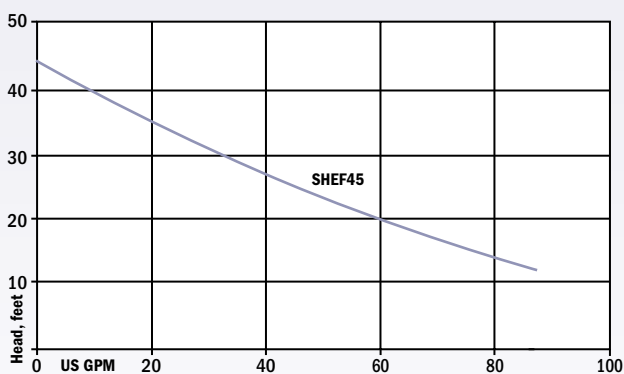


Piggyback Switch Plug

Performance



Performance



SHEF50

Patented inlet design for better solids handling



Typical Application	High-head effluent and dewatering
Capacities	up to 63 GPM (4.0 LPS)
Heads	up to 63 ft. (19.2 m)
Electrical	115V, 1Ø, 14.5 FLA, 60Hz; 208/230V, 1Ø, 7.6 FLA, 60Hz; 230V, 3Ø, 3.1 FLA, 60Hz; 460V, 3Ø, 1.6 FLA, 60Hz; 575V, 3Ø, 1.2 FLA, 60Hz
Motor	(single phase) - 1/2 HP split phase with start capacitor and thermal overload protection, 3450 RPM; (three phase) - 1/2 HP polyphase, 3450 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (1Ø only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic
Discharge Size	2" NPT (50.8 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	1Ø - 20', SJTW, STW-A (30' optional) 3Ø - 20', STW-A (30' optional)

SHEF100

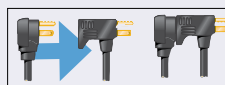
Patented inlet design for better solids handling



Typical Application	High-head effluent and dewatering
Capacities	up to 88 GPM (5.5 LPS)
Heads	up to 90 ft. (27.4 m)
Electrical	208V, 1Ø, 13.6 FLA, 60Hz; 230V, 1Ø, 12.1 FLA, 60Hz; 230V, 3Ø, 5.8 FLA, 60Hz; 460V, 3Ø, 2.8 FLA, 60Hz; 575V, 3Ø, 1.9 FLA, 60Hz
Motor	(single phase) - 1 HP split phase with start capacitor and thermal overload protection, 3450 RPM; (three phase) - 1 HP polyphase, 3450 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (1Ø only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic
Discharge Size	2" NPT (50.8 mm)
Solids Handling	3/4" (19.1 mm)
Power Cord	1Ø - 20', SJTW, STW-A (30' optional) 3Ø - 20', STW-A (30' optional)

Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper & lower ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement
- Capacitor start for increased starting torque (one phase models)



Piggyback Switch Plug

Performance



EFFLUENT

HP HYDROMATIC®

HE8/HE12/HE20/HE25/HE35-51

High-head filtered effluent pumps are designed specifically for high-pressure applications

Typical Application	High-head filtered effluent
Capacities	up to 50 GPM (189 LPM)
Heads	up to 300 ft. (91.4 m)
Electrical	115V, 1 ϕ , 14.5 FLA, 60Hz, 3450 RPM 230V, 1 ϕ , 3.1 FLA, 60Hz, 3450 RPM
Motor	(single phase) - 1/2 HP 115V, single phase (single phase) - 1-1/2 HP 230V 60Hz, 3450 RPM
Diameter	Simplex = 4" (101.6 mm)
Materials of Construction	300 SST
Impellers	Thermoplastic
Discharge Size	1-1/2" (38.1 mm)
Power Cord	1 ϕ - 10', 20', 30' or 50', 16-3 Jacketed Type SJOW-A UL 1 ϕ - 100', 14-3 Jacketed Type SJOW-A UL



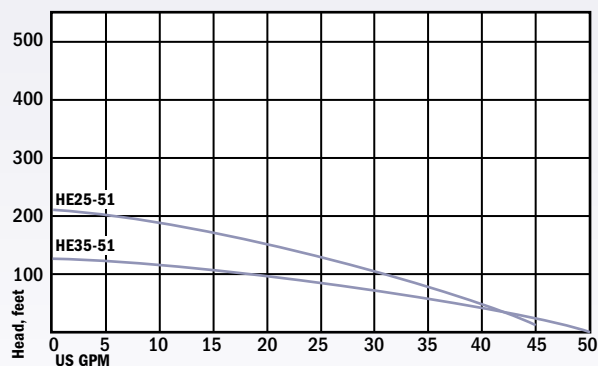
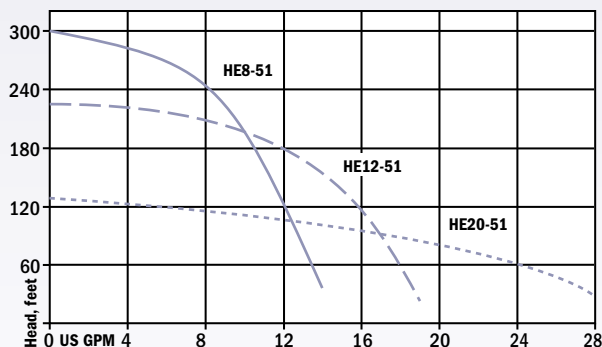
Superior Features

- High-pressure capacity
- Corrosion-resistant design for long life
- Dependable field-proven motor
- Stainless steel construction
- Built-in overload and electric surge protection
- Hermetically sealed windings
- Continuous duty rating
- Frequent cycling capabilities
- Powerful, yet lightweight
- Easy handling and installation



Double Screened

Performance



SP40

Specifically designed to meet the demands of handling wastewater and sewage in residential and commercial building applications



Typical Application	High-capacity sump/effluent, sewage
Capacities	up to 130 GPM (7.5 LPS)
Heads	up to 26 ft. (7.9 m)
Electrical	115V, 1Ø, 7.5A FLA, 1650 RPM, 60Hz; 230V, 1Ø, 3.8A FLA, 1650 RPM, 60Hz
Motor	4/10 HP PSC with thermal overload protection, 1650 RPM
Intermittent Liquid Temp.	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Diaphragm pressure switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic
Discharge Size	2" NPT (50.8 mm)
Solids Handling	1-1/4" (31.8 mm)
Power Cord	10', SJTW (20' optional)

SP50

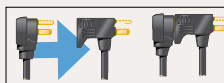
Bronze version available for marine applications



Typical Application	Sewage, dewatering
Capacities	up to 140 GPM (8.8 LPS)
Heads	up to 28 ft. (8.5 m)
Electrical	115V, 1Ø, 12 FLA, 60Hz; 208V, 1Ø, 6.8 FLA, 60Hz; 230V, 1Ø, 6.0 FLA, 60Hz; 208V, 3Ø, 4.1 FLA, 60Hz; 230V, 3Ø, 3.5 FLA, 60Hz; 460V, 3Ø, 1.8 FLA, 60Hz; 575V, 3Ø, 1.4 FLA, 60Hz
Motor	(single phase) - 1/2 HP split phase with thermal overload protection, 1750 RPM (three phase) - 1/2 HP polyphase, 1750 RPM
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Diaphragm pressure switch (single phase only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Cast iron
Discharge Size	2" NPT (50.8 mm); 3" NPT (76.2 mm) opt.
Solids Handling	1-1/2" (38.1 mm)
Power Cord	1Ø - 10', STW-A (20' optional); 3Ø - 20', STW-A

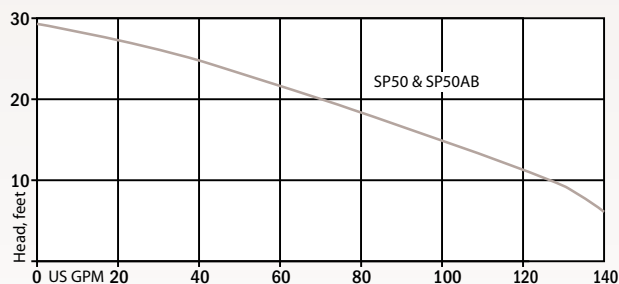
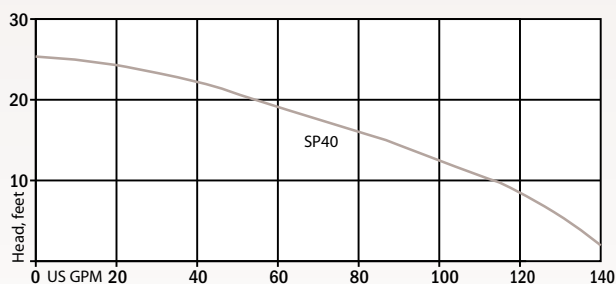
Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper and lower single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement



Piggyback Switch Plug

Performance



SEWAGE

BV40

Recessed vortex impeller allows pumping of stringy material and reduces clogging

Typical Application	Sewage, dewatering
Capacities	up to 77 GPM (4.8 LPS)
Heads	up to 19 ft. (5.8 m)
Electrical	115V, 1Ø, 12.6 FLA, 60Hz
Motor	(single phase) 4/10 HP split phase with thermal overload protection
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	18" (457.2 mm)
Automatic Operation	BV40AW1 = Wide-angle float switch BV40AD1 = Diaphragm pressure switch
Materials of Construction	Cast iron & engineered thermoplastic
Impeller	Engineered thermoplastic
Discharge Size	2" NPT (50.8 mm) std.
Solids Handling	2" (50.8 mm)
Power Cord	10'/20' std., 18/3, SJTW



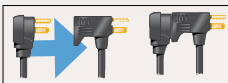
BV40AW1
Wide-Angle
Float Switch



BV40AD1
Diaphragm
Pressure Switch

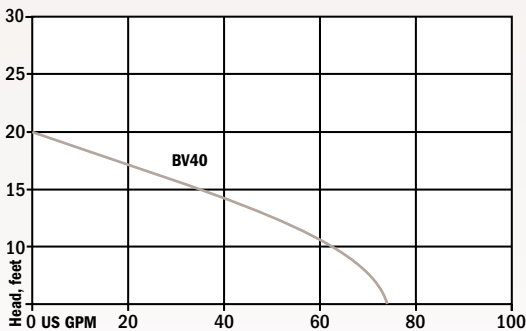
Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection
- Lower single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement



Piggyback Switch Plug

Performance



SKV40

Recessed vortex impeller allows pumping of stringy material and reduces clogging



Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 78 GPM (4.9 LPS)
Heads	up to 19.5 ft. (5.9 m)
Electrical	115V, 1Ø, 12.6 FLA, 60Hz; 230V, 1Ø, 6.4 FLA, 60Hz
Motor	4/10 HP PSC split phase with thermal over- load protection, 1550 RPM
Intermittent Liquid Temperature	120°F (49°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation (manual available)	SKV40AW = Wide-angle float switch SKV40AD = Diaphragm pressure switch
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" NPT (50.8 mm)
Solids Handling	2" (50.8 mm)
Power Cord	10', SJTW (20' optional)

Superior Features

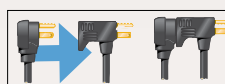
- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection
- Lower single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement

SKV50

Recessed vortex impeller allows pumping of stringy material and reduces clogging

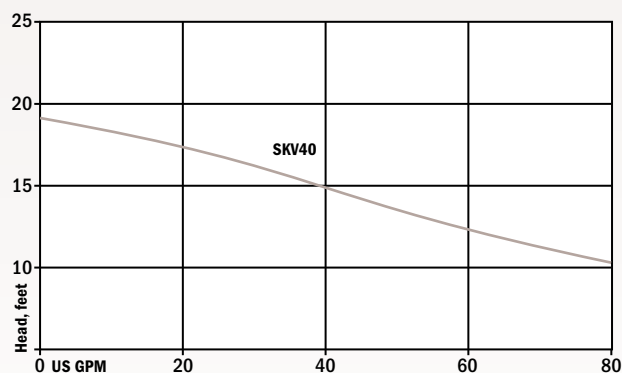


Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 180 GPM (11.3 LPS)
Heads	up to 22 ft. (6.7 m)
Electrical	115V-11Amps, 1Ø, 12.0 FLA, 60Hz; 230V-7.5Amps, 1Ø, 6.0 FLA, 60Hz
Motor	1/2 HP PSC with thermal overload protection, 1650 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation (manual available)	SKV50AW = Wide-angle float switch SKV50AD = Diaphragm pressure switch
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" NPT (50.8 mm)
Solids Handling	2" (50.8 mm)
Power Cord	10', SJTW (20' optional)

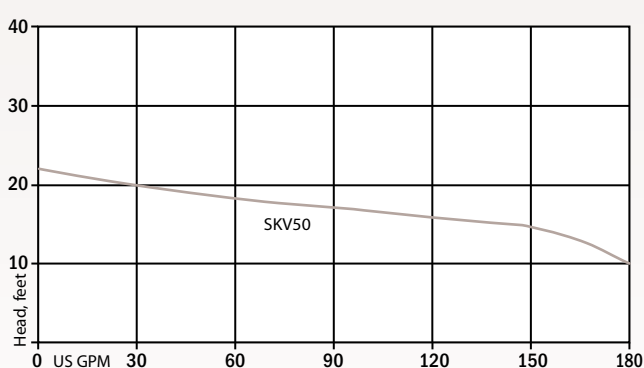


Piggyback Switch Plug

Performance



Performance



SEWAGE

HYDROMATIC®

SKHS50/ 100

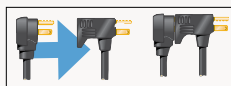
Specifically designed to meet the demands of wastewater and sewage handling in residential and commercial building applications



Typical Application	Sewage, high capacity
Capacities	SKHS50 - up to 138 GPM (8.7 LPS) SKHS100 - up to 160 GPM (10.1 LPS)
Heads	SKHS50 - up to 45 ft. (13.7 m) SKHS100 - up to 58 ft. (17.7 m)
Electrical	1/2 HP 1 HP 115V 1Ø, 14.2 FLA, 60 Hz; 208V 1Ø, 9.2 FLA, 60 Hz; 230V 1Ø, 8.3 FLA, 60 Hz; 208V, 3Ø, 6.6 FLA, 60 Hz; 230V, 3Ø, 6.0 FLA, 60 Hz; 460V, 3Ø, 3.0 FLA, 60 Hz; 575V, 3Ø, 2.4 FLA, 60 Hz 208V 1Ø, 12.6 FLA, 60 Hz; 230V 1Ø, 11.4 FLA, 60 Hz; 208V, 3Ø, 8.8 FLA, 60 Hz; 230V, 3Ø, 8.0 FLA, 60 Hz; 460V, 3Ø, 4.0 FLA, 60 Hz; 575V, 3Ø, 3.2 FLA, 60 Hz
Motor	1/2 HP + 1 HP 3450 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation (manual available)	Wide-angle float switch
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron
Discharge Size	2" NPT (50.8 mm) std. 3" NPT (76.2 mm) opt.
Solids Handling	2" (50.8 mm)
Power Cord	14/3, STWA, 1Ø, 20' std. 18/4, STWA, 3Ø, 20' std.

Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper and lower single-row ball-bearing construction
- Submersible, two-vane, semi-open cast iron impeller
- Piggyback plug available for easy maintenance and switch replacement



Piggyback Switch Plug

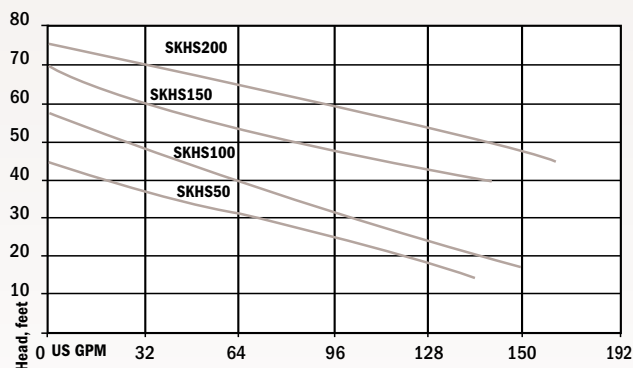
SKHS150/ 200

Specifically designed to meet the demands of wastewater and sewage handling in residential and commercial building applications



Typical Application	Sewage, high capacity
Capacities	SKHS150 - up to 146 GPM (9.2 LPS) SKHS200 - up to 175 GPM (11.0 LPS)
Heads	SKHS150 - up to 70 ft. (21.3 m) SKHS200 - up to 75 ft. (22.9 m)
Electrical	1-1/2 HP 2 HP 208V 1Ø, 15.3 FLA, 60 Hz; 230V 1Ø, 13.1 FLA, 60 Hz; 208V, 3Ø, 8.5 FLA, 60 Hz; 230V, 3Ø, 7.6 FLA, 60 Hz; 460V, 3Ø, 3.9 FLA, 60 Hz; 575V, 3Ø, 3.1 FLA, 60 Hz 230V 1Ø, 18.0 FLA, 60 Hz; 208V, 3Ø, 10.4 FLA, 60 Hz; 230V, 3Ø, 9.0 FLA, 60 Hz; 460V, 3Ø, 4.5 FLA, 60 Hz; 575V, 3Ø, 3.6 FLA, 60 Hz
Motor	1-1/2 HP + 2 HP 3450 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation (manual available)	Wide-angle float switch
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron
Discharge Size	2" NPT (50.8 mm) std. 3" NPT (76.2 mm) opt.
Solids Handling	2" (50.8 mm)
Power Cord	20' std., 14/3, STWA, 1Ø 20' std., 18/4, STWA, 3Ø

Performance



SK50

Designed to meet the demands of residential wastewater and sewage applications



Typical Application	Sewage, high-capacity sump
Capacities	up to 112 GPM (7.1 LPS)
Heads	up to 24 ft. (7.3 m)
Electrical	115V, 1Ø, 12 FLA, 60Hz; 230V, 1Ø, 6 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Intermittent Liquid Temp.	130°F (54°C)
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron
Discharge Size	2" (50.8 mm) NPT; 3" (76.2 mm) NPT optional
Solids Handling	2" (50.8 mm)
Power Cord	10', SJTW (20' optional)

SK60

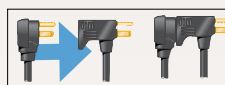
Designed to meet the demands of residential wastewater and sewage applications



Typical Application	Sewage, dewatering
Capacities	up to 120 GPM (7.5 LPS)
Heads	up to 28 ft. (8.5 m)
Electrical	115V, 1Ø, 12 FLA, 60Hz; 208V, 1Ø, 6.9 FLA, 60Hz; 230V, 1Ø, 6.0 FLA, 60Hz; 208V, 3Ø, 2.9 FLA, 60Hz; 230V, 3Ø, 2.5 FLA, 60Hz; 460V, 3Ø, 1.3 FLA, 60Hz; 575V, 3Ø, 1.04 FLA, 60Hz
Motor	(single phase) - 6/10 HP split phase with thermal overload protection, 1750 RPM; (three phase) - 6/10 HP polyphase, 1750 RPM
Intermittent Liquid Temp.	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Automatic Operation	Diaphragm pressure switch (single phase only, manual available)
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron two-vane
Discharge Size	2" (50.8 mm) NPT; 3" (76.2 mm) NPT optional
Solids Handling	2" (50.8 mm)
Power Cord	1Ø, 115V - 10', STW-A (20' optional); other 1Ø and all 3Ø - 20', STW-A

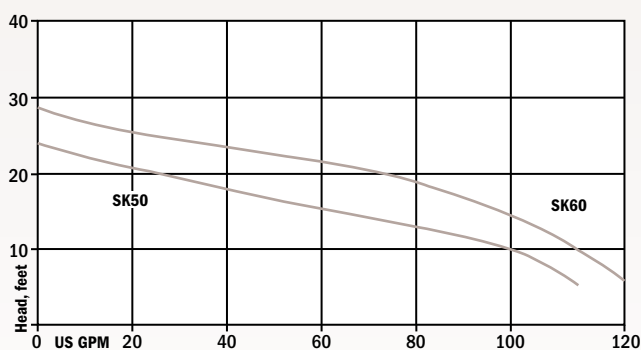
Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper and lower single-row ball-bearing construction
- Piggyback plug available for easy maintenance and switch replacement
- Submersible, two-vane, semi-open cast iron impeller



Piggyback Switch Plug

Performance



SEWAGE

SK75

Designed to meet the demands of residential wastewater and sewage applications



Typical Application	Sewage, dewatering
Capacities	up to 150 GPM (9.5 LPS)
Heads	up to 34 ft. (10.4 m)
Electrical	208V, 1Ø, 10.4 FLA, 60Hz; 230V, 1Ø, 9.0 FLA, 60Hz; 208V, 3Ø, 4.0 FLA, 60Hz; 230V, 3Ø, 3.5 FLA, 60Hz; 460V, 3Ø, 1.8 FLA, 60Hz; 575V, 3Ø, 1.44 FLA, 60Hz
Motor	(single phase) - 3/4 HP capacitor start with thermal overload protection, 1750 RPM (three phase) - 3/4 HP polyphase, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Operation	Manual standard Optional - wide-angle float switch
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron two-vane
Discharge Size	2" NPT (50.8 mm); 3" NPT (76.2 mm) optional
Solids Handling	2" (50.8 mm)
Power Cord	1Ø, 20', STW-A; 3Ø, 20', STW-A

SK100

Submersible, two-vane, semi-open cast iron impeller

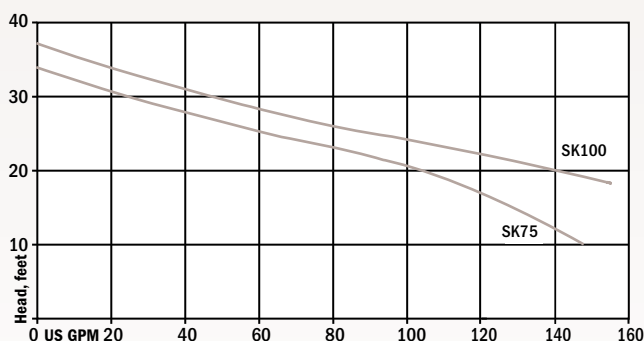


Typical Application	Sewage, dewatering
Capacities	up to 156 GPM (9.8 LPS)
Heads	up to 38 ft. (11.6 m)
Electrical	208V, 1Ø, 11.5 FLA, 60Hz; 230V, 1Ø, 10.0 FLA, 60Hz; 208V, 3Ø, 5.0 FLA, 60Hz; 230V, 3Ø, 4.4 FLA, 60Hz; 460V, 3Ø, 2.2 FLA, 60Hz; 575V, 3Ø, 1.7 FLA, 60Hz
Motor	(single phase) - 1 HP capacitor start with thermal overload protection, 1750 RPM (three phase) - 1 HP polyphase, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 36" (914.4 mm)
Operation	Manual standard Optional - wide-angle float switch
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron two-vane
Discharge Size	2" NPT (50.8 mm); 3" NPT (76.2 mm) optional
Solids Handling	2" (50.8 mm)
Power Cord	1Ø, 20', STW-A; 3Ø, 20', STW-A

Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection (one phase models)
- Upper and lower single-row ball-bearing construction
- Capacitor start motor for improved starting torque and pump performance (one phase models)

Performance



S3S/SB3S

Single-seal cast iron submersible sewage pumps

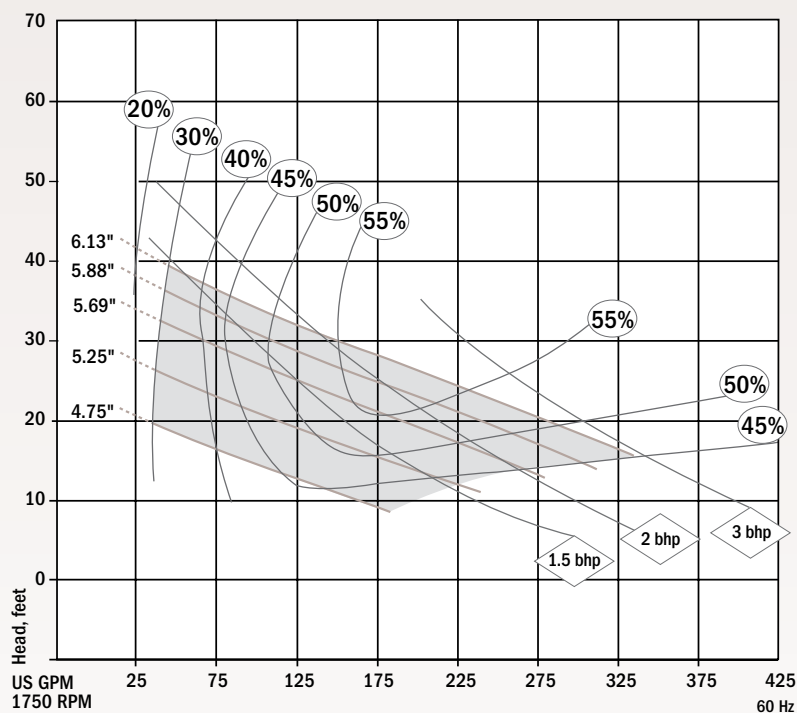
Typical Application	Sewage, dewatering
Capacities	up to 335 GPM (21.1 LPS)
Heads	up to 40 ft. (12.2 m)
Electrical	208-230V 1Ø; 208-230V/460-575V 3Ø
Motor	1-1/2 HP to 3 HP, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm)
Operation	Control panel required
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron
Discharge Size	3" (76.2 mm) NPT vertical 3" (76.2 mm) flanged horizontal
Solids Handling	2.5" (63.5 mm)
Power Cord	35'; STW Cable 10-4/12-4



Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor
- Upper and lower single-row ball-bearing construction
- Submersible, two-vane, semi-open cast iron impeller

Performance



SEWAGE

S4S/SB4S

Single-seal cast iron Submersible sewage pumps

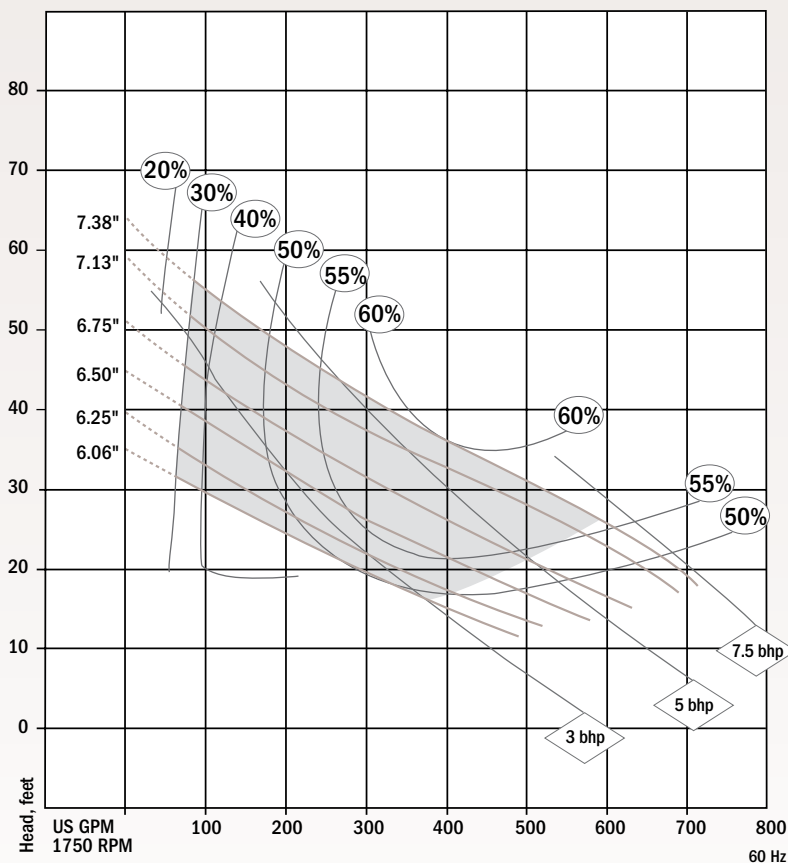
Typical Application	Sewage, dewatering
Capacities	up to 590 GPM (37.2 LPS)
Heads	up to 55 ft. (16.8 m)
Electrical	208-230V 1Ø; 208-230V/460-575V 3Ø
Motor	3 HP to 7-1/2 HP 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended Sump Diameter	Simplex = 30" (762.0 mm)
Operation	Control panel required
Materials of Construction	Class 30 cast iron
Impeller	Class 30 cast iron nonclog
Discharge Size	4" (101.6 mm) NPT vertical 4" (101.6 mm) flanged horizontal
Solids Handling	3.5" (88.9 mm)
Power Cord	35'; STW Cable 8-4/10-4/12-4



Superior Features

- Carbon/Ceramic type 21 mechanical seal
- Oil-filled motor
- Upper and lower single-row ball-bearing construction
- Submersible, two-vane, semi-open cast iron impeller

Performance



HPGR200

Single-seal grinder pump is ideal for "high-head" applications involving single-family residences and cottages

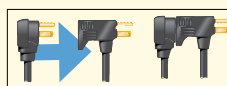
Typical Application	High-capacity automatic sewage grinder
Capacities	up to 58 GPM (3.7 LPS)
Heads	up to 105 ft. (32.0 m)
Electrical	230V, 1Ø, 15 FLA, 60Hz
Motor	2HP 1Ø PSC with start capacitor and thermal overload protection, 3450 RPM
Minimum Recommended Sump Diameter	Simplex = 24" (609.6 mm) Duplex = 30" (762.0 mm)
Automatic Operation	Wide-angle float switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Engineered Valox
Discharge Size	1-1/4" (38.1 mm)
Solids Handling	Residential wastewater and sewage
Power Cord	20', STD; SJOWith SJOW-A; water-resistant 600V 140°F (60°C)



(Leg Kit Sold Separately)

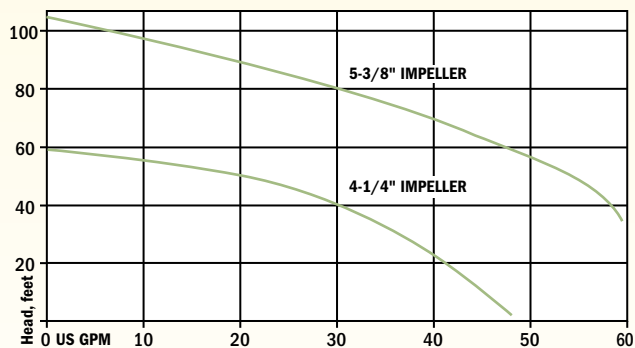
Superior Features

- Hydromatic® patented dual cutter design
- Carbon/Ceramic type 2100 mechanical seal
- Oil-filled motor with automatic reset thermal overload for maximum protection
- Upper and lower ball-bearing construction
- Piggyback plug available for easy maintenance
- Self-adjusting cutters, no need to shim or reset



Piggyback Switch Plug

Performance



GRINDER

HYDROMATIC®

HPGR200-D/HPGR200-D Retrofit

2 HP double-seal grinder pump for residential applications

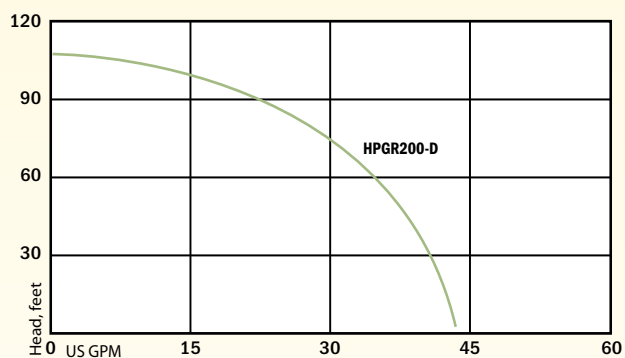
Typical Application	Sewage grinding, effluent and wastewater removal
Capacities	42 GPM (2.7 LPS)
Heads	105 ft. (32.0 m)
Continuous Liquid Temp.	105°F (41°C)
Motor Electrical Data	2 HP, dry-wound, cap. start/cap. run, thermal overload protected, 230V, 1Ø, 60Hz, 13.4 FLA; 230/460V, 3Ø, 60Hz, 8.2/4.1 FLA
Discharge	1-1/4" (31.75 mm) NPT
Sump Diameter Duplex	36"
Motor Housing	Cast iron
Impeller	Cast iron, 10-vane
Power Cord	20' (6 m)
Shaft Seal Standard	Dual mechanical seal
Pump, Motor Shaft	Stainless steel
Cutters	Stainless steel, 440C hardened to 55-60 Rockwell "C", dual cutters



Superior Features

- 2 HP; single-phase, 230V; 3-phase, 230/460V
- Superior "grinding" capabilities
- High-torque, capacitor start/capacitor run motor
- Dry-wound motor, better efficiency and serviceable, thermal overload protected
- Temperature rated at 105°F (41°C)
- Dual shaft seals – silicon carbide/silicon carbide and carbon/ceramic
- Dual cutter design – stainless steel
- Cast iron 10-vane impeller
- Upper and lower "shielded" ball bearings
- Retrofittable with ALL major competitors
- Double-cord strain relief
- Replaceable 20' (6 m), jacketed SOW power cord
- 16 AWG (1-phase)
- 14 AWG (3-phase)

Performance



ODS Series™ ELEVATOR PUMP CONTROL SYSTEM

The PENTEK™ ODS Series Elevator Pump Control System is approved for oil/water detection in applications where oil and hydrocarbons are prohibited from being released into the environment.

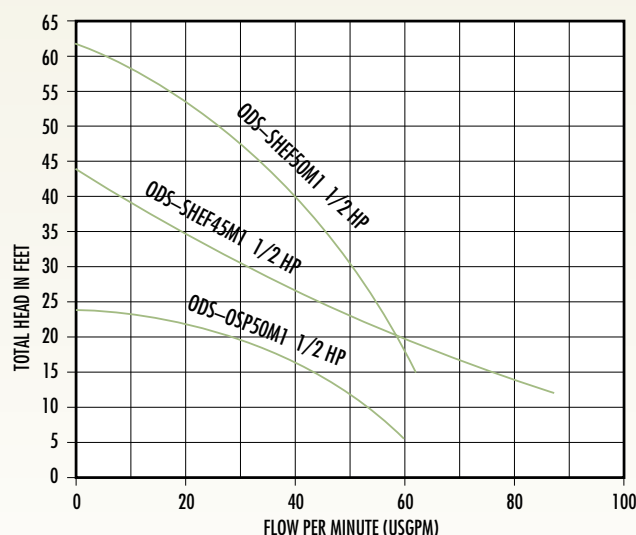
Typical Application	System is designed to provide pumping, monitoring and alarm in garages, elevator sump pits, transformer vaults and substations
Capacities	60 GPM (3.8 LPS) up to 87 GPM (5.5LPS)
Heads	25 ft. (7.6 m) up to 63 ft. (19.2 m)
Electrical	115V, 1ø, 9.5 FLA, 60Hz 230V, 1ø, 5.2 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Intermittent Liquid Temperature	140°F (60°C)
Minimum Recommended	Simplex = 18" (457.2 mm) up to 24" (609.6mm)
Sump Diameter	Duplex = 30" (762.0 mm)
Automatic Operation	Diaphragm pressure switch and wide angle float switch (manual available)
Materials of Construction	Class 30 cast iron
Impeller	Open vane naval bronze, thermoplastic vortex or cast iron
Discharge Size	1-1/2" NPT (38.1 mm); 2" NPT (50.8 mm)
Solids Handling	5/8" (15.9 mm) up to 3/4" (19.1mm)
Power Cord	10', SJTW (20' optional), 20', 115V: SJTW-A; 230V 1ø: 16/3 SWT-A 30' 50'

Superior Features

- **Control Panel** – With separate pump and control circuits, NEMA 1 Enclosure; 8.75"H x 6.5"W x 5"D
- **Easy Installation** – Plug-in for quick and easy installation, one pre-set sensor, no field adjustment necessary
- **Remote Alarm**
- **Multiple Indicator Lights** – Power on, pump run, high water, and high oil indicators
- **Elevator Pump Control**
 - Complete packaged system
 - 1/2 HP, 115V sump/effluent pump
 - Remote alarm
 - Easy clamp-mount installation, with plug-in ready wiring
 - Compliant with ASME 17.1 and local building and safety codes
 - Available with choice of OPF50, SHEF45, or SHEF50



Performance



PACKAGED

HYDRAMATIC®

118

Economical, above-floor system that adds a drain without major remodeling

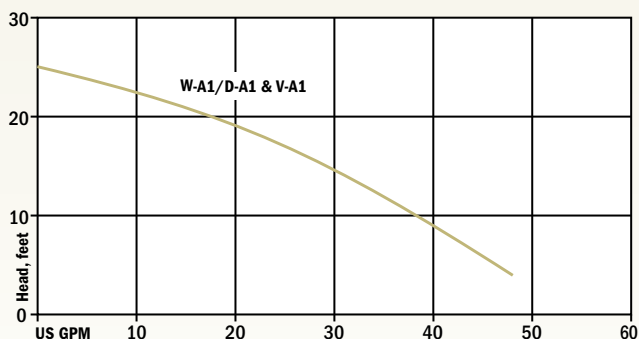


Typical Application	Sump pump
Capacities	up to 48 GPM (2.8 LPS)
Heads	up to 25 ft. (7.6 m)
Electrical	115V, 1Ø, 8 FLA, 60Hz
Motor	1/3 HP shaded pole with thermal overload protection, 1550 RPM
Minimum Recommended Sump Diameter	D-A1 = 12" (304.8 mm) W-A1 = 18" (457.2 mm) V-A1 = 12" (304.8 mm)
Automatic Operation	W = Wide-angle float switch D = Diaphragm pressure switch V = Vertical float switch
Materials of Construction	Cast iron and engineered thermoplastic
Impeller	Thermoplastic vortex
Discharge Size	1-1/2 (38.1 mm) NPT
Solids Handling	1/2 (12.8 mm)
Power Cord	10', SJTW (20' optional)

Superior Features

- Package includes 10-gallon polyethylene sump box, cover, gasket package, discharge nipple, check valve and pump
- The V-A1, 1/3 HP sump pump is the standard pump provided as a part of the package
- The 118 sump package gives the professional plumber the ability to add a drain without breaking concrete
- Ideal for wet bars, air conditioner/humidifier condensate and laundry trays
- Available assembled (as shown) or unassembled

Performance



118-5

Economical, above-floor system that adds a drain without major remodeling

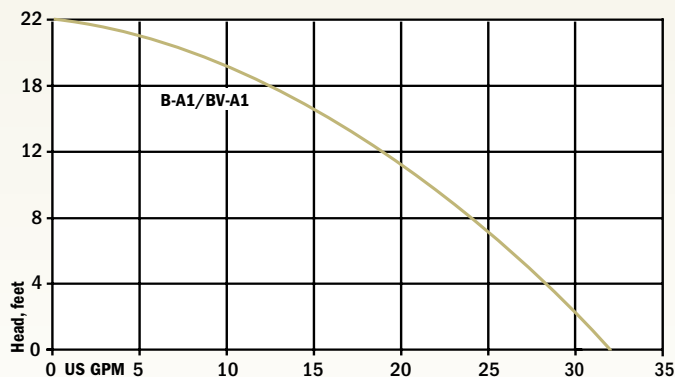


Typical Application	Laundry trays, washing machines, wet bars, water softeners, dehumidifiers, etc.
Capacities	32 GPM (2.01 LPS)
Heads	22 ft. (6.7 m)
Operation	On = 9.5" (241 mm) Off = 2.5" (63 mm)
Solids Handling	1/4" (6.35 mm)
Liquids Handling	Drain water
Intermittent Liquid Temp.	up to 140°F (60°C)
Motor	1/4 HP, 115V, 6.5A, 1Ø, 60Hz
Shaft Seal	Carbon & ceramic
Housing	Thermoplastic
Power Cord	10', SJTW, SJTW-A
Discharge, NPT	1-1/2" (38.1 mm)
Min. Sump Diameter	10" (267 mm)

Superior Features

- Proven 1/4 HP submersible sump pump model: BV-A1
- Molded-in tank retainers to secure pump
- Heavy-duty 5-gallon polypropylene tank
- Oil-filled motor with cast iron housing
- 23 GPM @ 10' total dynamic head
- Reliable vertical switch operation
- Easy-to-clean removable filter
- Available assembled (as shown) or unassembled

Performance



CSS-3D/CSS-3V

Pre-plumbed sump basin package is ready for field installation and includes check valve and side hub.

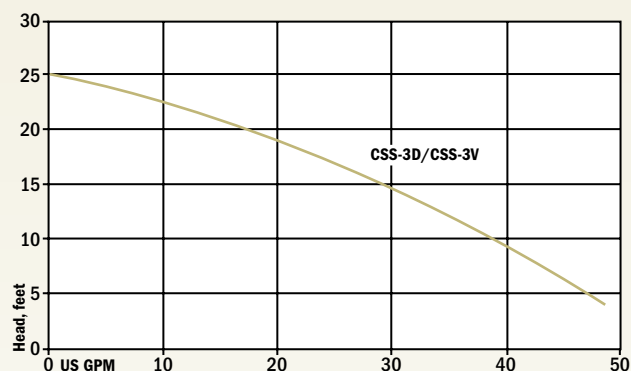
Typical Application	Basement sumps, dewatering, new or existing installations
Capacities	up to 48 GPM (181.7 LPM)
Heads	up to 25 ft. (7.6 m)
Liquid Temperature	up to 120°F (49°C)
Electrical	115V, 1Ø, 8.0 FLA, 60Hz
Motor	3/10 HP single phase with built-in overload protection, 1550 RPM
Minimum Recommended Sump Diameter	12" (304.8mm)
Automatic Operation	D = Diaphragm pressure switch V = Vertical float switch
Materials of Construction	Cast iron and polyethylene
Impeller	Thermoplastic vortex
Discharge Size	1-1/2" (38.1 mm) NPT
Solids Handling	1/2" (12.7 mm)
Power Cord	10' (3 m)

Superior Features

- Package includes single-piece structural foam lid, 1-1/2" NPT threaded discharge flange, 2" NPT vent flange (adaptable to 3"), and a 1-1/2" sump check valve
- Standard 18" x 22" basin has a 20 gallon capacity
- Has proprietary "Flush Mount" design for easy shipment and storage; allows for pallet stacking
- Injection-molded structural foam provides the highest quality construction for uniform wall thickness and strength
- Radon approved basin and cover for radon prevention



Performance



PACKAGED

JB-1

JB-1 can be installed freestanding on any level surface, or the tank and all piping can be hidden behind a wall and under the floor

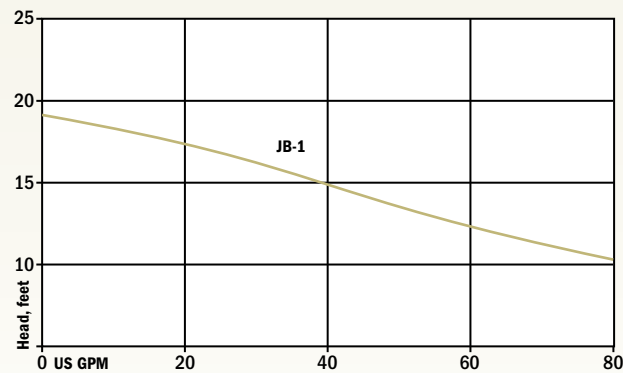
Typical Application	Basement bathroom
Capacities	up to 78 GPM (4.9 LPS)
Heads	up to 19 ft. (5.9 m)
Electrical	115V, 1Ø, 12.6 FLA, 60Hz; 230V, 1Ø, 6.4 FLA, 60Hz
Motor	4/10 HP split phase with thermal overload protection, 1750 RPM
Impeller	Thermoplastic recessed
Discharge Size	2" (50.8 mm) NPT
Solids Handling	2" (50.8 mm)
Power Cord	10' (3 m) SJTW [20' (6 m) optional]



Superior Features

- Accommodates toilet, vanity, humidifier or shower
- Use with many toilet styles
- Perfect for basements, family rooms, warehouses, factories, room additions
- Fits almost anywhere
- No need to destroy concrete floor; JB-1 can be installed freestanding on any level surface
- Easily installed
- Features the SKV40AVI, 4/10 HP, 2" solids handling sewage ejector with recessed impeller

Performance



218

Completely assembled sewage package basin system (shown) or unassembled



Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 78 GPM (4.9 LPS)
Heads	up to 19.5 ft. (5.9 m)
Electrical	115V, 1ø, 12.6 FLA, 60Hz; 230V, 1ø, 6.4 FLA, 60Hz
Motor	4/10 HP split phase with thermal overload protection, 1750 RPM
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	SKV40AW = Wide-angle float switch SKV40AD = Diaphragm pressure switch
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" (50.8 mm) NPT
Solids Handling	2" (50.8 mm)
Power Cord	10', SJTW (20' optional)

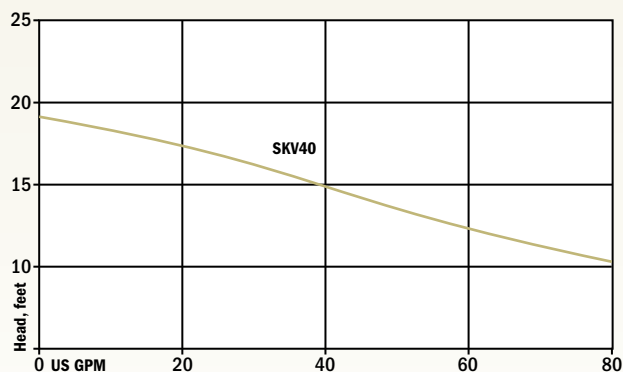
Superior Features

- Package includes basin, cover, check valve, discharge pipe, gasket package and pump
- Features the SKV40, 4/10 HP, 2" solids handling sewage ejector with recessed impeller
- 18" x 30" basin for greater capacity, reduced cycling and extended pump life
- Noncorrosive structural foam construction for high-impact resistance
- Unique Hydromatic molded footprint provides pump stability



Package system available with Q-Alert™ High Water Alarm System

Performance



224

Completely assembled sewage package basin system (shown) or unassembled

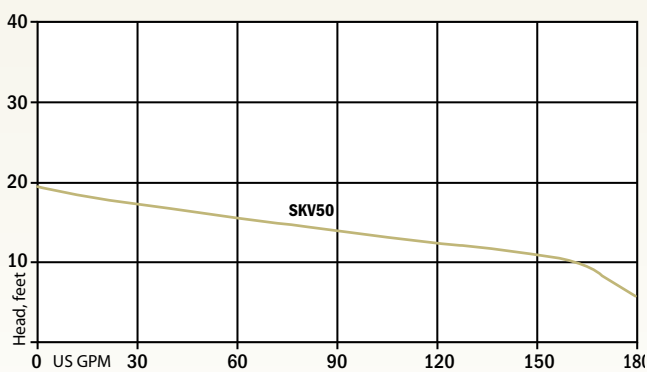


Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 180 GPM (11.3 LPS)
Heads	up to 20 ft. (6 m)
Electrical	115V, 1ø, 12.0 FLA, 60Hz; 230V, 1ø, 6.0 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Minimum Recommended Sump Diameter	Simplex = 18" (457.2 mm) Duplex = 30" (762.0 mm)
Automatic Operation	SKV50AW = Wide-angle float switch SKV50AD = Diaphragm pressure switch
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" (50.8 mm) NPT
Solids Handling	2" (50.8 mm)
Power Cord	10', SJTW (20' optional)

Superior Features

- Package includes basin, cover, check valve, gasket package and pump
- Features the SKV50, 1/2 HP, 2" solids handling sewage ejector with recessed impeller
- Larger 24" x 32" polyethylene basin for greater capacity, reduced cycling and extended pump life
- Vent connection is molded into basin, allowing removal of the cover without disturbing the vent pipe
- Available with high water alarm

Performance



PACKAGED

HBB-SKV40

Fully assembled sewage package system (4/10 HP pump) and includes Easy-Out™ Rod for simple removal of float switch



Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 78 GPM (4.9 LPS)
Heads	up to 19.5 ft. (5.9 m)
Electrical	115V, 1Ø, 12.6 FLA, 60Hz; 230V, 1Ø, 6.4 FLA, 60Hz
Motor	4/10 HP split phase with thermal overload protection, 1550 RPM
Automatic Operation	SKV40AW = Wide-angle float switch SKV40AD = Diaphragm pressure switch
Intermittent Liquid Temp.	up to 120°F (49°C)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" (50.8 mm) NPT
Solids Handling	2" (50.8 mm)
Power Cord	10', 18/3, SJTW, 115V (20' optional)

HBB-SKV50

Fully assembled sewage package system (1/2 HP pump) and includes Easy-Out™ Rod for simple removal of float switch



Typical Application	Sewage, high-capacity sump, effluent
Capacities	up to 180 GPM (11.3 LPS)
Heads	up to 20 ft. (6.1 m)
Electrical	115V, 1Ø, 12.0 FLA, 60Hz; 230V, 1Ø, 6.0 FLA, 60Hz
Motor	1/2 HP split phase with thermal overload protection, 1750 RPM
Automatic Operation	SKV50AW = Wide-angle float switch SKV50AD = Diaphragm pressure switch
Intermittent Liquid Temp.	up to 140°F (60°C)
Materials of Construction	Class 30 cast iron
Impeller	Thermoplastic recessed
Discharge Size	2" (50.8 mm) NPT std.
Solids Handling	2" (50.8 mm)
Power Cord	10', 16/3, SJTW, 115V (20' optional)

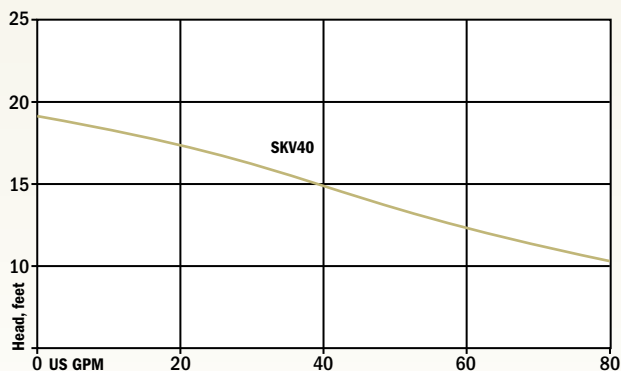
Superior Features

- Fully assembled – pump is pre-installed in basin, with integral torque stop to ensure stability
- Oil-filled motor with automatic reset thermal overload for maximum protection
- 24" x 24" basin provides 30% more capacity than standard 18" x 30" basin
- Concrete splash lip and unique basin shape keeps system from floating or becoming "un-installed"
- Concrete-proof cover insert protects the system from damage during rough-in and masonry work
- Integral 360° top grip for easy lifting and handling in tight spaces
- Extra protection with optional Q-Alert™ high water alarm system

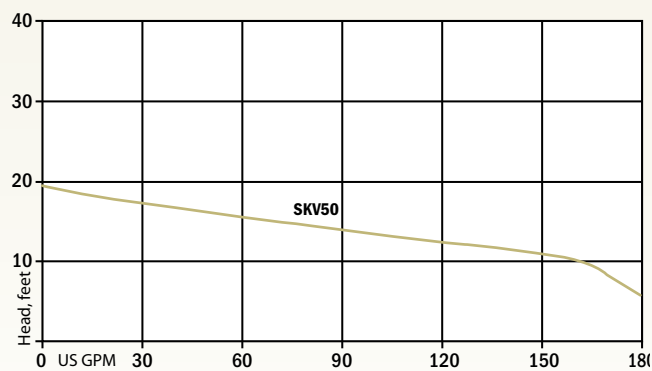


Package system available with Q-Alert™ High Water Alarm System

Performance



Performance



EPC-115 OIL DETECTION SYSTEM

The elevator pump control activates the pump for removal of water from elevator pits in accordance with ASME17.1. The control will also shut down the pump before discharging harmful substances.

SENSOR

Housing	ABS
Probe	Stainless Steel
Float	PVC

CONTROL PANEL

Enclosure	Type 1
Power Cord	6', SJT, 120 VAC
Receptacle	6" SJT, 120 VAC, 15 Amp

ALARM PANEL

Enclosure	Type 1
Power Cord	Plug-in transformer, 120 VAC
Backup Power Cord	9 DVC battery backup

LED ALARM INDICATORS

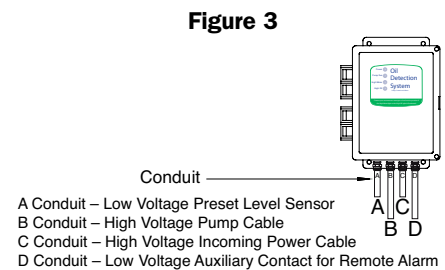
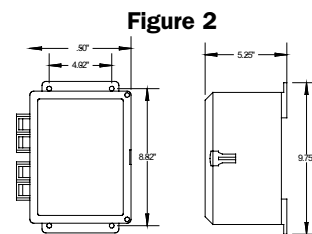
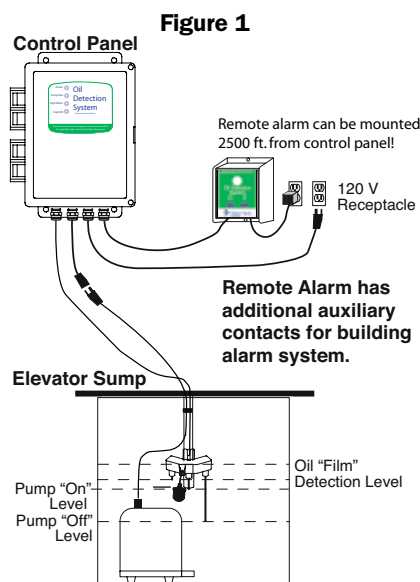
Audible Alarm	103 db buzzer, auto test/reset
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Control Operation

On water rise, fluid level reaches pump "start" probe to activate the pump. Pump remains on until fluid level is below the "off" probe. The "off" probe senses air or oil and turns the pump off so the oil layer (if present) will not be pumped out of the sump. If the liquid level reaches the "alarm" probe and mechanical float, the system will differentiate between water and oil and activate the remote alarm.

Typical Installation/Operation



CUSTOM TAILORED CONTROL PANELS

HYDROMATIC® is a UL Listed manufacturer of industrial motor controls and is approved to label panels per UL 508.

HYDROMATIC® is also an approved builder of panels with intrinsically safe circuit extensions for hazardous locations per UL 913 standards.

All of our control panels are designed with quality engineering, construction and quick delivery. The panel shop at HYDROMATIC® has the capability to build control panels for pumps and motors rated up to 200 horsepower with thousands of option combinations.

Every panel is individually and thoroughly tested before shipment to ensure proper operation of all components. Each control panel maintains the industry-leading HYDROMATIC® standard of quality at a competitive price.

Buy HYDROMATIC® pumps and controls for the best possible system.



Q-ALERT™ / Q-ALERT XT™

- Small, residential high-water 82 decibels alarm is ideal for furnishing an inexpensive way to protect your home and valuables
- For use with indoor and outdoor (Q-Alert XT) and indoor only (Q-Alert) applications



NEMA 1



PUMP +™

- Allows installation and alternation of two fully automatic pumps
- If first pump fails, built-in smart alarm sounds and calls for second pump
- Easy to install and set up; just plug in – no wiring required



WIDE-ANGLE FLOAT SWITCH

No switch arrangement on the market is more reliable!

- Tilt-sensitive mechanism is sealed inside a noncorrosive float
- Available in 10', 20' and 30' cord lengths
- Piggyback-style plug-in connector
- High reliability makes field servicing almost a thing of the past.



DOUBLE WIDE-ANGLE FLOAT SWITCH

The double wide-angle switch consists of two floats and two cables molded to one piggy-back cord.

- Both sealed floats contain a heavy-duty switch with a holding relay sealed inside one float
- The double wide-angle float switch offers direct operation of pumps up to 2 HP, 230V with a starting current of no more than 35 amps



VERTICAL MECHANICAL FLOAT

This innovative switch design has all the dependability and serviceability that you have come to expect from HYDROMATIC®.

- Large, heavy-duty switch contacts
- Longer life
- More reliable than similar types of switches that use micro-switch technology
- Piggyback-style plug-in connector



8300 LEVEL & UL LISTED CONTROLS

Designed for operating pumps through a magnetic starter or contactor to control liquid level in sumps or tanks.

- For use in sewage and many harsh chemical solutions
- Switch is sealed in a solid foam-filled polypropylene shell that is leakproof, shockproof and corrosion-resistant
- Can be used to operate alarms to indicate high-water conditions
- Cord weight is zinc-plated cast iron
- Hard wire is 18/2 SJ00W
- Dependable steel tube switch rated to 3 FLA at 115 or 230V



DIAPHRAGM PRESSURE SWITCH

Hydromatic has raised the bar for reliability and performance. With this new proprietary design, Hydromatic pumps utilizing the "D-Switch" have a distinct advantage over all other pumps in the industry.

- Designed for ease of service
- Encapsulated in an engineered plastic housing
- Vented cord with a piggyback plug-in connector
- Available in a variety of settings for various sump, effluent and sewage applications
- Compact design is perfect for small diameter basins
- Eliminates concerns about moving parts becoming entangled
- 15 AMP rating max



CONTROLS

HYDROMATIC®

GUIDE RAIL SYSTEMS

Designed to provide easy service access for most submersible sewage, effluent, sump and grinder pumps from wet pit sump applications

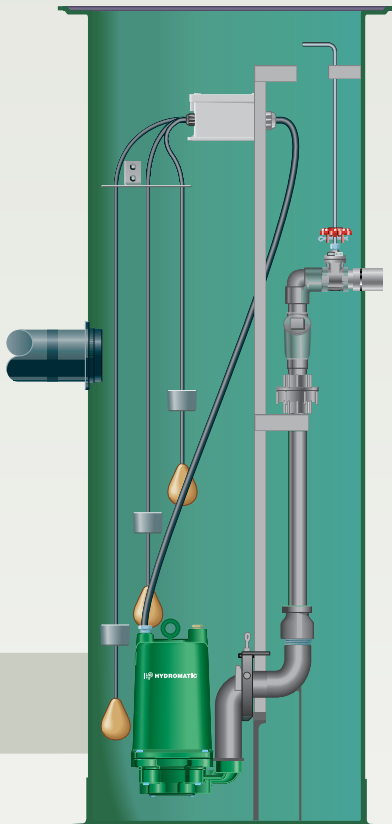
Typical Application	Package designed specifically for use in residential or light commercial sewer applications with long discharge or high static heads
Basin	Fiberglass, available in 24" diameter x 60"/72"/84" or 96" depths
Cover	Thermoplastic
Guide Rails	3/4" standard stainless steel pipe
Floats	18/2 SJOW, UL Listed for use in sewage applications
Control Panel	NEMA 4 rated disconnect panel with alarm light
Junction Box	Fiberglass, NEMA 6 rated
Inlet Fittings	4" compression-style hub (included)
Outlet	1-1/4" NPT

EZ-OUT GUIDE RAIL SYSTEM

- Package**
- Pre-assembled package. To install, simply slide pump assembly down guide rail system, connect plumbing and electrical service, and system is ready to go
- Cover**
- Rated to withstand momentary loads of residential lawn equipment
- Guide Rails**
- Package includes pre-assembled cast iron discharge elbow, discharge flanges, steel spacer, stainless steel upper guide rail bracket and lift chain. Also includes bronze gate valve and ball check valve
- Junction Box**
- Allows for simple electrical connections, easy service access and protection of connections

HYDR-O-GUIDE® RAIL SYSTEM

- The HYDR-O-GUIDE® package includes galvanized steel discharge pipe, cast iron ball check valve, gate valve and nipple, T-bar rail, lift chain and steel cover
- HYDROMATIC's most proven rail system is available for 1-1/2" and 2" discharge pumps
- The HYDR-O-GUIDE® system can be provided for basin depths up to 20 feet
- Add a cover and a HYDROMATIC® Q-Panel for a complete package
- Pumps and basin are not included and must be ordered separately



Pump not included.



Pump not included.

G2DT/G2D Series

Sewage grinding, effluent and wastewater removal

	G2DT	G2D
Horsepower	2	2
Max. head	56'	82
Max. flow rate	73 GPM	75
Voltage	200V / 1 Ø, 9.2 FLA, 60HZ	200V / 1 Ø, 13.8 FLA, 60HZ
	230V / 1 Ø, 8.2 FLA, 60HZ	230V / 1 Ø, 12 FLA, 60HZ
	200V / 3 Ø, 6 FLA, 60HZ	200V / 3 Ø, 8.6 FLA, 60HZ
	230V / 3 Ø, 5.1 FLA, 60HZ	230V / 3 Ø, 7.3 FLA, 60HZ
	460V / 3 Ø, 2.6 FLA, 60HZ	460V / 3 Ø, 3.7 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing	Ball Bearing
O-rings	NBR 70	NBR 70
Shaft seal motor side	Lip Seal	Lip Seal
Shaft seal medium side	SiC Mech. Seal	SiC Mech. Seal
Volute type / material	Cast Iron	Cast Iron
Discharge connection	1-1/4" NPT	1-1/4" NPT
Inlet diameter	8xØ .315"	8xØ .315"
Impeller type / material	Radial Open (Cast Iron)	Radial Open / Cast Iron
Impeller diameter	4.488"	1Ø 5.118"; 3Ø 5.315"
Free passage	0.276"	0.276"
Weight with cable	62 lbs	3Ø 64; 1Ø 84
Material		
Coating	2K Epoxy, 80 µm, (Black)	2K Epoxy, 80 µm, (Black)
Cutter	1.4112, 57 HRC (SST)	1.4112, 57 HRC (SST)
Cutter plate	1.4112, 57 HRC (SST)	1.4112, 57 HRC (SST)



Superior Features

Multi-Cut™ Advanced High Torque Cutting System

- Maximum Torque – Better disintegration of solids & fibrous matter
- Adjustable Self-Cleaning Blades – Longer blade life and lower maintenance costs
- Intelligent™ Trash-Rejection – Prevents clogging and preserves blades and motor

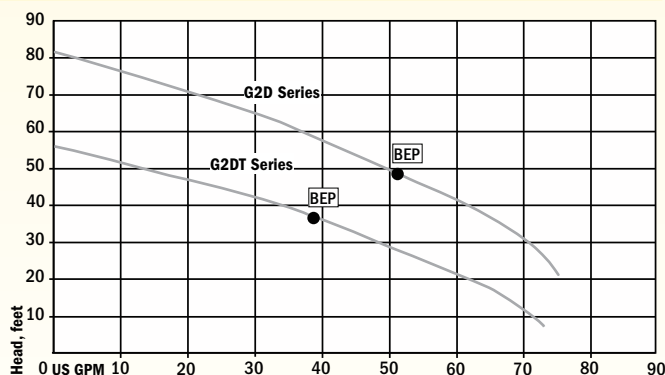
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail (*optional)

Performance



G3D Series

Sewage grinding, effluent and wastewater removal

Horsepower	3
Max. head	112 ft
Max. flow rate	66 GPM
Voltage	200V / 1 Ø, 20.3 FLA, 60HZ
	230V / 1 Ø, 18.7 FLA, 60HZ
	200V / 3 Ø, 12.3 FLA, 60HZ
	230V / 3 Ø, 11 FLA, 60HZ
Cable	460V / 3 Ø, 6.3 FLA, 60HZ
	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	1-1/4" NPT
Inlet diameter	8xØ .315"
Impeller type / material	Radial Open / Cast Iron
Impeller diameter	5.787"
Free passage	0.276"
Weight with cable	1 Ø 99 / 3 Ø 95 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)
Cutter	1.4112, 57 HRC (SST)
Cutter plate	1.4112, 57 HRC (SST)



Superior Features

Multi-Cut™ Advanced High Torque Cutting System

- Maximum Torque – Better disintegration of solids & fibrous matter
- Adjustable Self-Cleaning Blades – Longer blade life and lower maintenance costs
- Intelligent™ Trash-Rejection – Prevents clogging and preserves blades and motor

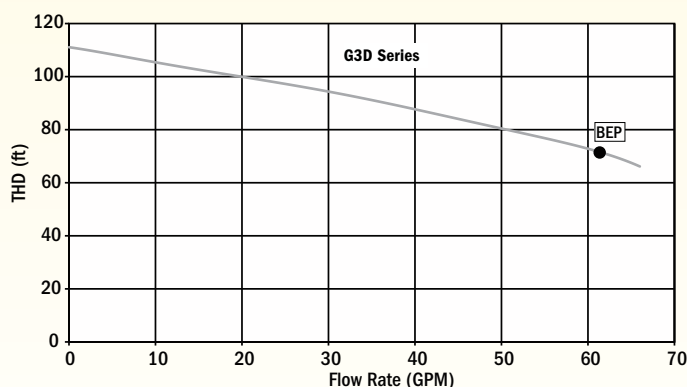
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail (*optional)

Performance



G5D Series

Sewage grinding, effluent and wastewater removal

Horsepower	3
Max. head	151
Max. flow rate	49 GPM
	200V / 3 Ø, 16.0 A, 60HZ
Voltage	230V / 3 Ø, 14.0 A, 60HZ
	460V / 3 Ø, 7.2 A, 60HZ
Cable	25' SOOW 3Ø 12/6 AWG 12 / 1Ø 10/6 AWG 10
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	1-1/4" NPT
Inlet diameter	8xØ .315"
Impeller type / material	Radial Open / Cast Iron
Impeller diameter	6.693"
Free passage	0.276"
Weight with cable	95 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)
Cutter	1.4112, 57 HRC (SST)
Cutter plate	1.4112, 57 HRC (SST)



Superior Features

Multi-Cut™ Advanced High Torque Cutting System

- Maximum Torque – Better disintegration of solids & fibrous matter
- Adjustable Self-Cleaning Blades – Longer blade life and lower maintenance costs
- Intelligent™ Trash-Rejection – Prevents clogging and preserves blades and motor

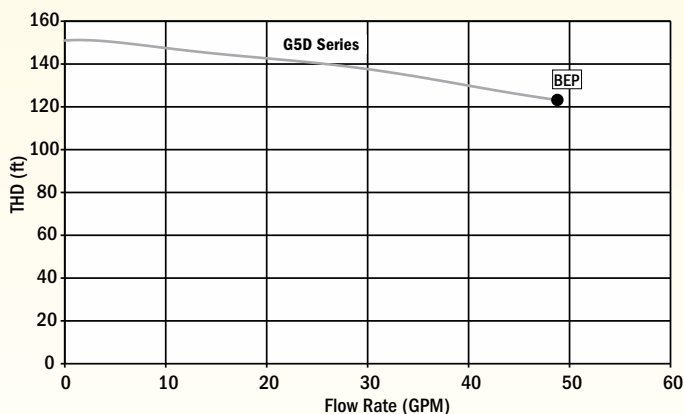
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



G7D Series

Sewage grinding, effluent and wastewater removal

Horsepower	7.5
Max. head	180 ft
Max. flow rate	75 GPM
Voltage	460V / 3 Ø, 11 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12
Bearing	Ball bearing
O-rings	NBR 70
Shaft seal motor side	SiC Mech. Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	1-1/4" NPT
Inlet diameter	8xØ .315"
Impeller type / material	Radial Open / Cast Iron
Impeller diameter	7.047"
Free passage	0.276"
Weight with cable	198 lbs

Material

Coating	2K Epoxy, 80 µm, (Black)
Cutter	1.4112, 57 HRC (SST)
Cutter plate	1.4112, 57 HRC (SST)



Superior Features

Multi-Cut™ Advanced High Torque Cutting System

- Maximum Torque – Better disintegration of solids & fibrous matter
- Adjustable Self-Cleaning Blades – Longer blade life and lower maintenance costs
- Intelligent™ Trash-Rejection – Prevents clogging and preserves blades and motor

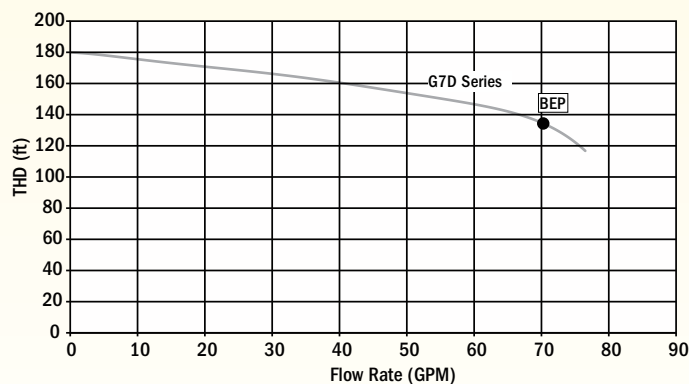
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



Grinder Series

G2DT Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
G2DT-01	2	1	200	9.2	3080	57	73	62
G2DT-21	2	1	230	8.2	3080	57	73	62
G2DT-03	2	3	200	6.0	3150	56	75	62
G2DT-23	2	3	230	5.1	3150	56	75	62
G2DT-43	2	3	460	2.6	3200	56	75	62

G2D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
G2D-01	2	1	200	13.8	3330	82	75	84
G2D-21	2	1	230	12.0	3330	82	75	84
G2D-03	2	3	200	8.6	3150	85	79	64
G2D-23	2	3	230	7.3	3150	85	79	64
G2D-43	2	3	460	3.7	3200	85	79	64

G3D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
G3D-01	3	1	200	20.3	3540	115	66	99
G3D-21	3	1	230	18.7	3540	115	66	99
G3D-03	3	3	200	12.3	3450	112	66	95
G3D-23	3	3	230	11.0	3450	112	66	95
G3D-43	3	3	460	6.3	3470	112	66	95

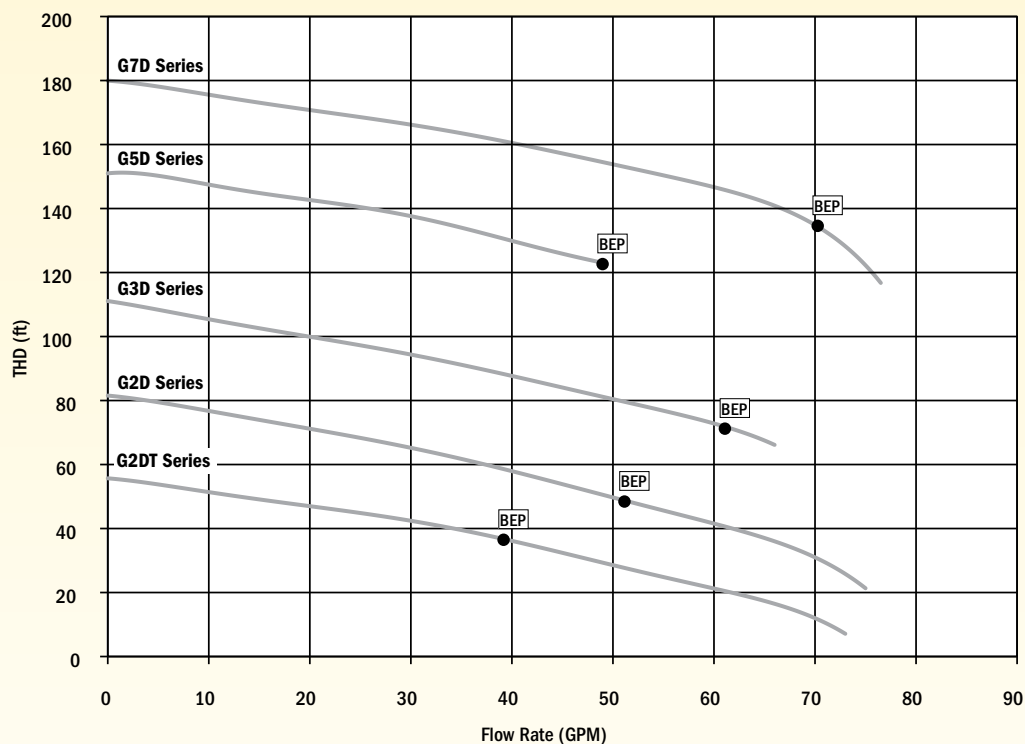
G5D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
G5D-03	5	3	200	16.0	3410	151	49	95
G5D-23	5	3	230	14.0	3410	151	49	95
G5D-43	5	3	460	7.2	3425	151	49	95

G7D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
G7D-43	7.5	3	460	11.0	3480	180	75	198

Performance Curves (Consult factory for custom impeller trims)



V1D Series

Sewage, high-capacity sump, effluent

Horsepower	1
Max. head	16 ft
Max. flow rate	264 GPM
Voltage	200V / 1Ø, 9. FLA, 60HZ
	230V / 1Ø, 8 FLA, 60HZ
	200V / 3Ø, 9 FLA, 60HZ
	230V / 3Ø, 6.2 FLA, 60HZ
	460V / 3Ø, 3.5 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	5.906"
Free passage	3.937"
Weight with cable	108 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)



Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

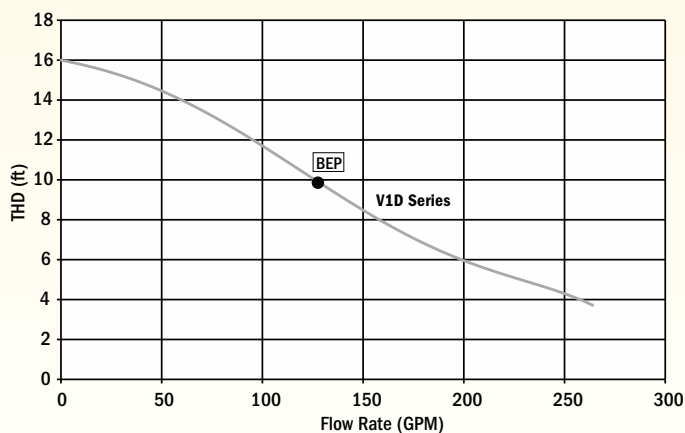
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail (*optional)

Performance



V15D Series

Sewage, high-capacity sump, effluent

Horsepower	1.5
Max. head	23 ft
Max. flow rate	352 GPM
Voltage	200V / 1 Ø, 13.3. FLA, 60HZ
	230V / 1 Ø, 11.6 FLA, 60HZ
	200V / 3 Ø, 9.7 FLA, 60HZ
	230V / 3 Ø, 7.4 FLA, 60HZ
	460V / 3 Ø, 4 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	6.496"
Free passage	3.937"
Weight with cable	108 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)



Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

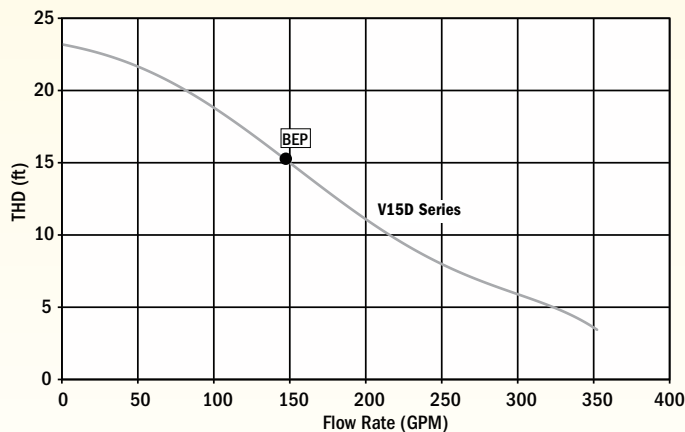
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail (*optional)

Performance



V2D Series

Sewage, high-capacity sump, effluent

Horsepower	2
Max. head	31 ft
Max. flow rate	396 GPM
Voltage	200V / 1Ø, 17.2. FLA, 60HZ
	230V / 1Ø, 15.5 FLA, 60HZ
	200V / 3Ø, 10.7 FLA, 60HZ
	230V / 3Ø, 8.7 FLA, 60HZ
	460V / 3Ø, 4.6 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	7.047"
Free passage	3.937"
Weight with cable	108 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)



Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

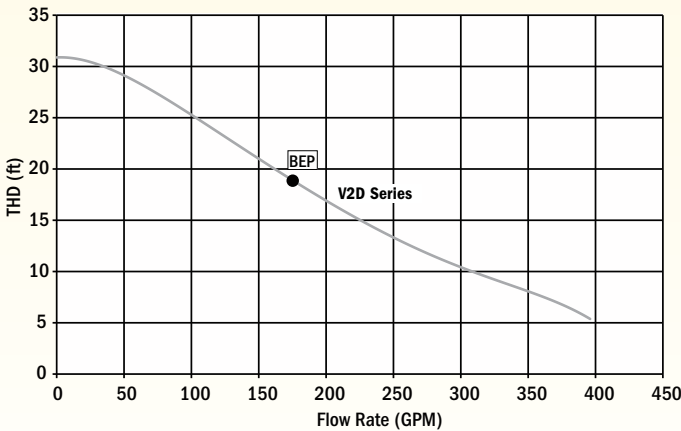
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



V3D Series

Sewage, high-capacity sump, effluent

Horsepower	3
Max. head	36 ft
Max. flow rate	484 GPM
Voltage	200V / 1Ø, 20.5 FLA, 60HZ
	230V / 1Ø, 18.5 FLA, 60HZ
	200V / 3Ø, 13.6 FLA, 60HZ
	230V / 3Ø, 12.5 FLA, 60HZ
	460V / 3Ø, 7 FLA, 60HZ
Cable	25' S00W 3Ø 12/6 AWG 12 / 1Ø 10/6 AWG 10
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	1Ø 7.283 / 3Ø 7.48"
Free passage	3.937"
Weight with cable	117 lbs
Material	
Coating	2K Epoxy, 80 µm, (Black)



Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

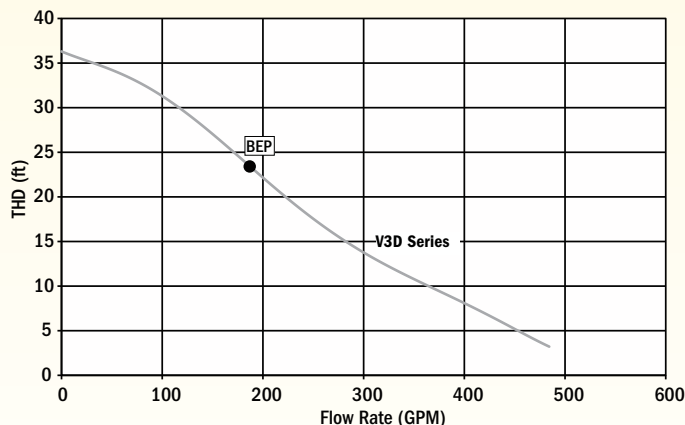
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



V5D Series

Sewage, high-capacity sump, effluent

Horsepower	5
Max. head	44 ft
Max. flow rate	660 GPM
Voltage	460V / 3Ø, 10.2 FLA, 60HZ
Cable	25' SOOW 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	7.402"
Free passage	3.937"
Weight with cable	249

Material

Coating 2K Epoxy, 80 µm, (Black)



Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

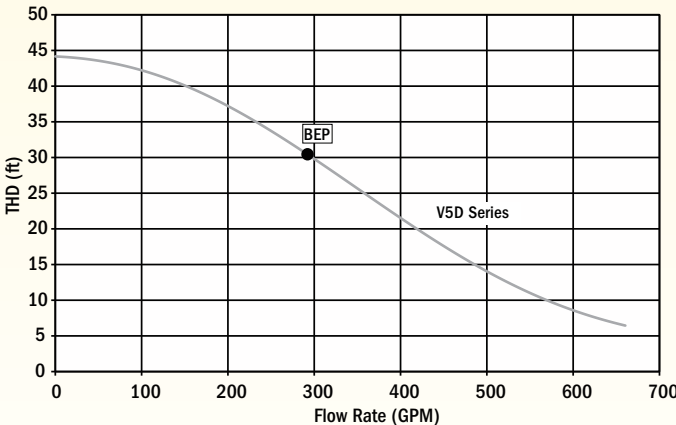
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



V7D Series

Sewage, high-capacity sump, effluent

Horsepower	7.5
Max. head	52 ft
Max. flow rate	748 GPM
Voltage	460V / 3Ø, 12.3 FLA, 60HZ
Cable	25' S00W 12/6 AWG 12
Bearing	Ball Bearing
O-rings	NBR 70
Shaft seal motor side	Lip Seal
Shaft seal medium side	SiC Mech. Seal
Volute type / material	Cast Iron
Discharge connection	ANSI #150
Inlet diameter	Ø 3.94"
Impeller type / material	Vortex / Cast Iron
Impeller diameter	7.874"
Free passage	3.937"
Weight with cable	258 lbs

Material

Coating	2K Epoxy, 80 µm, (Black)
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Superior Features

Advanced Vortex Impeller

- High-Speed Rotary Action – Spins solids away from, not through, impeller
- Large Solid Removal – Easily Handles up to 4" abrasive, fibrous and solid matter.
- Commercial-Grade Components – For long service life and high operational reliability

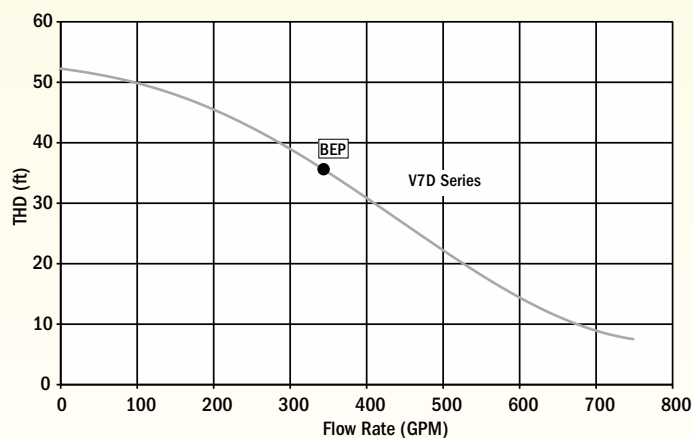
High Efficiency Motor

- Continuous-Duty Rated – Maintains performance specifications at 100% duty cycle
- Air-Cooled – Outperforms oil-filled motors for superior cooling and longer life
- Oil-Free – Cleaner maintenance and no oil-disposal issues

Superior Seals

- Silicon-Carbide Mechanical Seals – Superior abrasion resistance
- Dry-Run Safe – Conducts heat from the seal when pump is run dry
- Double Seal With Leak Detection – Redundant seals with alert system if seals fail

Performance



Vortex Series

V1D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V1D-01	1	1	200	9.0	1680	16	264	108
V1D-21	1	1	230	8.0	1680	16	264	108
V1D-03	1	3	200	9.0	1685	16	264	108
V1D-23	1	3	230	6.2	1685	16	264	108
V1D-43	1	3	460	3.5	1685	16	264	108

V15D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V15D-01	1.5	1	200	13.3	1675	23	352	108
V15D-21	1.5	1	230	11.6	1675	23	352	108
V15D-03	1.5	3	200	9.7	1675	23	352	108
V15D-23	1.5	3	230	7.4	1675	23	352	108
V15D-43	1.5	3	460	4.0	1675	23	352	108

V2D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V2D-01	2	1	200	17.2	1650	31	396	108
V2D-21	2	1	230	15.5	1675	31	396	108
V2D-03	2	3	200	10.7	1620	31	396	108
V2D-23	2	3	230	8.7	1620	31	396	108
V2D-43	2	3	460	4.6	1620	31	396	108

V3D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V3D-01	3	1	200	20.5	1720	36	484	117
V3D-21	3	1	230	18.5	1720	36	484	117
V3D-03	3	3	200	13.6	1670	39	484	117
V3D-23	3	3	230	12.5	1670	39	484	117
V3D-43	3	3	460	7.0	1670	39	484	117

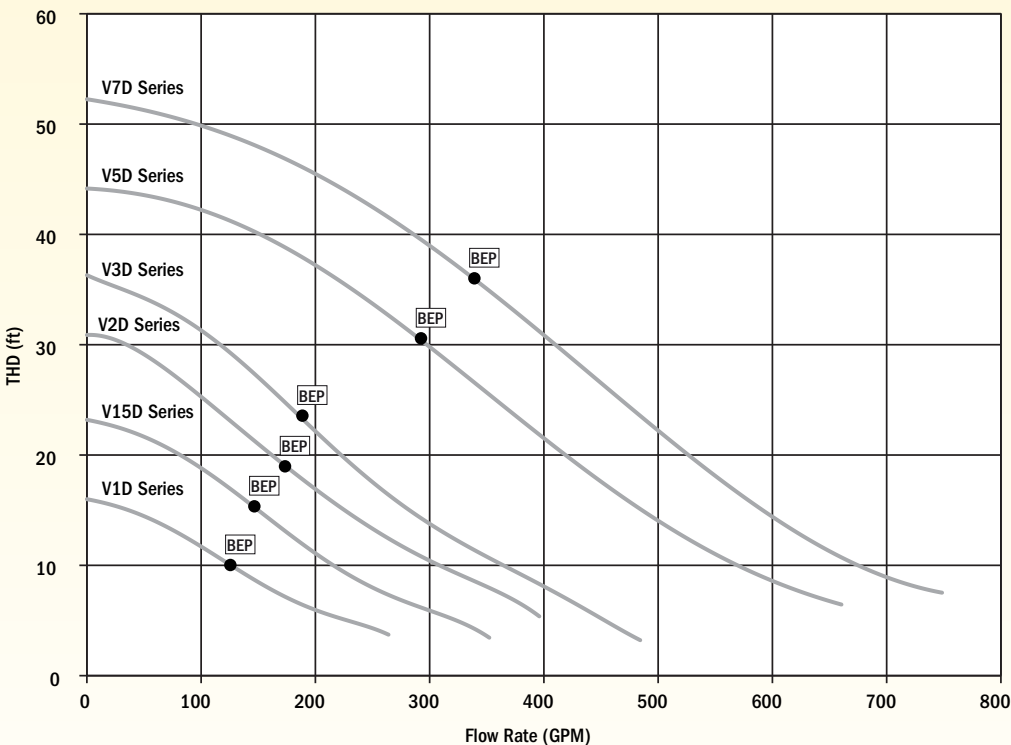
V5D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V5D-43	5	3	460	10.2	1680	44	660	249

V5D Series

Model #	HP	Phase	Volts	Amps (Full Load)	RPM	Max Head	Max Flow	Weight (lbs)
V7D-43	7.5	3	460	12.3	1670	52	748	258

Performance Curves (Consult factory for custom impeller trims)



CONTROL PANELS

Simplex and Duplex Panels

Quality electrical components assure reliable automatic pump operation

- For 1 – 7.5 HP grinder and vortex pumps
- Corrosion resistant NEMA 4X Poly-pro enclosure
- Includes alternating and override controls
- Off-on alarm capable
- Hand-off-auto control
- Alarm beacon
- Alarm buzzer & exterior silence/test switch
- Multi-tap control transformers (3Ø)
- Meets NEC safety standard
- UL-508a approved panel designs



Standard panels (CPGV)

- IEC contactors and overloads
- Pump run LEDs
- Float status LEDs
- Unique system check test switch
- Seal leak indicator
- Pump circuit breakers

Full-Featured Panels (CPGVF)

- Molded inner dead front door
- 4 line LCD screen HMI on inner door
- Accommodates field-installable auto dialer (not included with panel)
- 0 - 5 VDC transducer analog auxiliary signal – SCADA
- Auxiliary contacts – for SCADA or auto dialer
 - High level
 - Power loss
 - Pump overload
 - Pump seal
- Seal fail and thermal overload cut out circuits
- Run dry protection
- Pump circuit breakers, IEC magnetic contactors/overloads (1Ø)
- Motor circuit breakers/overloads, IEC magnetic contactors (3Ø)

Float Switches*

Designed for accurate liquid level control in many applications including sewage environments. The float switch can be utilized to signify specific water levels or for direct alarm actuation.



*Color coded to alarm panel for ease of installation

ELECTRICAL ACCESSORIES

Seal Leak Detector

Designed specifically for monitoring and protecting the shaft seal and motor housing of the sewage pump. The probe is installed in the seal cavity of the pump. If a seal begins to leak, contaminating fluid enters the seal cavity, activating the corresponding relay and LED in the control panel.

Cord Length	Part Number
25'	RP-JP43899
50'	RP-JP43900
100'	RP-JP43901

Standard on 5 and 7.5 HP models, optional upgrade up to 3HP.



Power Cords

A commercial grade quick disconnect cord enables you to quickly disconnect the power cord with no plastic pieces to break.

25' Standard

50' and 100' available

Add -50 to end of model number to order a 50' cord.

Add -100 to end of model number to order a 100' cord.



LEG KITS

Jung Pumpen offers a variety of leg kits to suit your specific pump size/weight and application.



Dual Seal Grinder Pumps

Model Number	HP	PHASE	VOLTS	LEG KIT
G2DT-01	2	1	200	RP-JP26016
G2DT-21			230	
G2DT-03		3	200	
G2DT-23			230	
G2DT-43			460	
G2D-01	2	1	200	RP-JP20980
G2D-21			230	
G2D-03		3	200	
G2D-23			230	
G2D-43			460	
G3D-01	3	1	200	RP-JP20980
G3D-21			230	
G3D-03		3	200	
G3D-23			230	
G3D-43			460	
G5D-03	5	3	200	
G5D-23			230	
G5D-43			460	
G7D-43	7.5	3	460	RP-JP22302

Dual Seal 4" Solids Handling Pumps

Model Number	HP	PHASE	VOLTS	LEG KIT
V1D-01	1	1	200	RP-JP11453
V1D-21			230	
V1D-03		3	200	
V1D-23			230	
V1D-43			460	
V15D-01	1.5	1	200	
V15D-21			230	
V15D-03		3	200	
V15D-23			230	
V15D-43			460	
V2D-01	2	1	200	
V2D-21			230	
V2D-03		3	200	
V2D-23			230	
V2D-43			460	
V3D-01	3	1	200	RP-JP00701
V3D-21			230	
V3D-03		3	200	
V3D-23			230	
V3D-43			460	
V5D-43	5	3	460	
V7D-43	7.5	3	460	

FLUSHING TUBES

Cleaning and Odor Prevention

The flushing pipe is made of stainless steel and is fitted to the vent opening. As soon as the level control gives the signal to the pump to start up, the flushing pipe automatically provides a continuous stream of flushing water onto the liquid surface, effectively preventing floating crust and deposits while adding oxygen to the water, preventing anaerobic buildup in the system.



Dual Seal Grinder Pumps

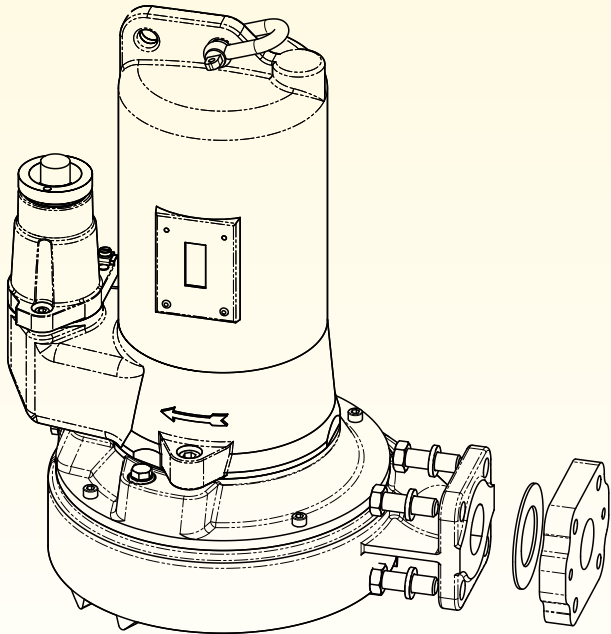
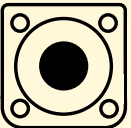
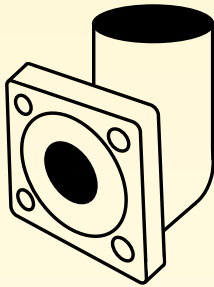
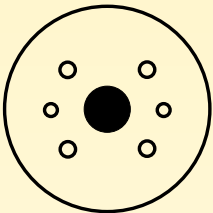
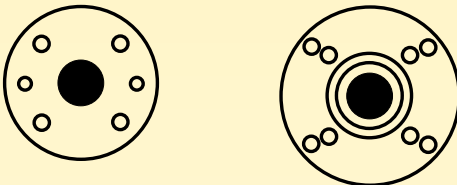
Model Number	HP	PHASE	VOLTS	FLUSHING TUBE
G2DT-01	2	1	200	RP-JP40333
G2DT-21			230	
G2DT-03		3	200	
G2DT-23			230	
G2DT-43	2	1	460	RP-JP28221
G2D-01			200	
G2D-21		3	230	
G2D-03			200	
G2D-23	2	3	230	RP-JP40333
G2D-43			460	
G3D-01		1	200	
G3D-21			230	
G3D-03	3	3	200	RP-JP28221
G3D-23			230	
G3D-43		3	460	
G5D-03			200	
G5D-23	5	3	230	RP-JP28223
G5D-43			460	
G7D-43	7.5	3	460	RP-JP28223

Dual Seal 4" Solids Handling Pumps

Model Number	HP	PHASE	VOLTS	FLUSHING TUBE
V1D-01	1	1	200	RP-JP28223
V1D-21			230	
V1D-03		3	200	
V1D-23			230	
V1D-43	1.5	1	460	
V15D-01			200	
V15D-21		3	230	
V15D-03			200	
V15D-23	2	3	230	
V15D-43			460	
V2D-01		1	200	
V2D-21			230	
V2D-03	3	3	200	
V2D-23			230	
V2D-43		1	460	
V3D-01			200	
V3D-21	5	3	230	
V3D-03			200	
V3D-23		3	230	
V3D-43			460	
V5D-43	7.5	3	460	
V7D-43		3	460	

ADAPTERS

Jung Pumpen offers a wide variety of attachments and adaptors for a customized solution for your system.



SIMPLEX & DUPLEX PACKAGE SYSTEMS

System Benefits

Jung Pumpen fiberglass basins are made with the highest quality chop-hoop filament and feature an all non-corrosive stainless steel guide-rail system with brass disconnects for maximum durability and performance.

Pre-packaged Systems Eliminate Guesswork of Selecting Components

- No mismatched or improperly fitting parts
- Easy installation – installer only has to excavate, secure, connect discharge lines, locate and mount inlet hub, locate and mount panel, install pump in basin and connect electrical wiring



Basin Cover Options

Solid Fiberglass (non-skid available)

The solid fiberglass cover is constructed with continuous mat or chopped-strand glass fiber reinforcement with a minimum thickness of 0.325 inches, is green in color and is mounted to the wet well with six 300 series stainless steel fasteners.

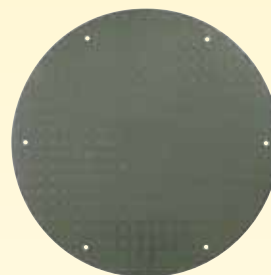
Fiberglass Hatch (non-skid)

Steel Hatch

The wet well (and integral valvebox) cover shall be constructed of 0.375 inches thick black enameled ASTM A36 structural steel plate and features a recessed handle and locking pin.

Aluminum Hatch

The wet well (and integral valvebox) cover is constructed of 0.250 inches thick mill finish aluminum diamond plate with 300 series stainless steel hardware and features a recessed handle and locking pin.



Basin Selection Guide

Dual Seal Grinder Pumps

Model Number	HP	PHASE	BASIN SYSTEMS	
			SIMPLEX	DUPLEX
G2DT-01	2	1	P1S-3060 P1S-3072 P1S-3084 P1S-3096	P1D-3660 P1D-3672 P1D-3684 P1D-3696
G2DT-21		3		
G2DT-03				
G2DT-23				
G2DT-43				
G2D-01	2	1		
G2D-21		3		
G2D-03				
G2D-23				
G2D-43				
G3D-01	3	1		
G3D-21		3		
G3D-03				
G3D-23				
G3D-43				
G5D-43	5	3		
G7D-43	7.5	3	P2S-3684	P2D-4884
			P2S-3696	P2D-4896
			P2S-36120	P2D-48120
			P2S-36144	P2D-48144

Dual Seal 4" Solids Handling Pumps

Model Number	HP	PHASE	BASIN SYSTEMS	
			SIMPLEX	DUPLEX
V1D-01	1	1	P3S-4884 P3S-4896 P3S-48120 P3S-48144	P3D-6084 P3D-6096 P3D-60120 P3D-60144
V1D-21				
V1D-03		3		
V1D-23				
V1D-43				
V15D-01	1.5	1		
V15D-21		3		
V15D-03				
V15D-23				
V15D-43				
V2D-01	2	1		
V2D-21		3		
V2D-03				
V2D-23				
V2D-43				
V3D-01	3	1		
V3D-21		3		
V3D-03				
V3D-23				
V3D-43				
V5D-43	5	3		
V7D-43	7.5	3		

Complete Selection Guide

Dual seal grinder pumps

Model number	Hp	Phase	Volts	Amps (Full Load)	Cord length	Weight (lbs)	Start Pack*	Standard control panels	
								Simplex	Duplex
G2DT-01	2	1	200	9.2	25	62	SPGV-1	CPGV1-10-S	CPGV1-10-D
G2DT-21			230	8.2	25	62	SPGV-2	CPGV1-10-S	CPGV1-10-D
G2DT-03		3	200	6.0	25	62	Not Required	CPGV3-06-S	CPGV3-06-D
G2DT-23			230	5.1	25	62	Not Required	CPGV3-06-S	CPGV3-06-D
G2DT-43			460	2.6	25	62	Not Required	CPGV3-04-S	CPGV3-04-D
G2D-01	2	1	200	13.8	25	84	SPGV-3	CPGV1-16-S	CPGV1-16-D
G2D-21			230	12.0	25	84	SPGV-4	CPGV1-16-S	CPGV1-16-D
G2D-03		3	200	8.6	25	62	Not Required	CPGV3-10-S	CPGV3-10-D
G2D-23			230	7.3	25	62	Not Required	CPGV3-10-S	CPGV3-10-D
G2D-43			460	3.7	25	62	Not Required	CPGV3-04-S	CPGV3-04-D
G3D-01	3	1	200	20.3	25	99	SPGV-5	CPGV1-24-S	CPGV1-24-D
G3D-21			230	18.7	25	99	SPGV-6	CPGV1-24-S	CPGV1-24-D
G3D-03		3	200	12.3	25	95	Not Required	CPGV3-16-S	CPGV3-16-D
G3D-23			230	11.0	25	95	Not Required	CPGV3-16-S	CPGV3-16-D
G3D-43			460	6.3	25	95	Not Required	CPGV3-10-S	CPGV3-10-D
G5D-03	5	3	200	16.0	25	95	Not Required	CPGV3-16-S	CPGV3-16-D
G5D-23			230	14.0	25	95	Not Required	CPGV3-16-S	CPGV3-16-D
G5D-43			460	7.2	25	95	Not Required	CPGV3-10-S	CPGV3-10-D
G7D-43	7.5	3	460	11.0	25	198	Not Required	CPGV3-16-S	CPGV3-16-D

Dual Seal 4" Solids Handling Pumps

Model number	Hp	Phase	Volts	Amps (Full Load)	Cord length	Weight (lbs)	Start Pack*	EI control panels	
								Simplex	Duplex
V1D-01	1	1	200	9.0	25	108	SPGV-7	CPGV1-10-S	CPGV1-10-D
V1D-21			230	8.0	25	108	SPGV-8	CPGV1-10-S	CPGV1-10-D
V1D-03		3	200	9.0	25	108	Not Required	CPGV3-10-S	CPGV3-10-D
V1D-23			230	6.2	25	108	Not Required	CPGV3-06-S	CPGV3-06-D
V1D-43			460	3.5	25	108	Not Required	CPGV3-04-S	CPGV3-04-D
V15D-01	1.5	1	200	13.3	25	108	SPGV-9	CPGV1-16-S	CPGV1-16-D
V15D-21			230	11.6	25	108	SPGV-10	CPGV1-16-S	CPGV1-16-D
V15D-03		3	200	9.7	25	108	Not Required	CPGV3-10-S	CPGV3-10-D
V15D-23			230	7.4	25	108	Not Required	CPGV3-10-S	CPGV3-10-D
V15D-43			460	4.0	25	108	Not Required	CPGV3-06-S	CPGV3-06-D
V2D-01	2	1	200	17.2	25	108	SPGV-11	CPGV1-24-S	CPGV1-24-D
V2D-21			230	15.5	25	108	SPGV-12	CPGV1-16-S	CPGV1-16-D
V2D-03		3	200	10.7	25	108	Not Required	CPGV3-16-S	CPGV3-16-D
V2D-23			230	8.7	25	108	Not Required	CPGV3-10-S	CPGV3-10-D
V2D-43			460	4.6	25	108	Not Required	CPGV3-06-S	CPGV3-06-D
V3D-01	3	1	200	20.5	25	117	SPGV-13	CPGV1-24-S	CPGV1-24-D
V3D-21			230	18.5	25	117	SPGV-14	CPGV1-24-S	CPGV1-24-D
V3D-03		3	200	13.6	25	117	Not Required	CPGV3-16-S	CPGV3-16-D
V3D-23			230	12.5	25	117	Not Required	CPGV3-16-S	CPGV3-16-D
V3D-43			460	7.0	25	117	Not Required	CPGV3-10-S	CPGV3-10-D
V5D-43	5	3	460	10.2	25	249	Not Required	CPGV3-16-S	CPGV3-16-D
V7D-43	7.5	3	460	12.3	25	258	Not Required	CPGV3-16-S	CPGV3-16-D

*Start Pack includes capacitors and relay

Cord Options

Add -50 to end of model number to order a 50' cord. For List Price Adder please consult factory.
Add -100 to end of model number to order a 100' cord. For List Price Adder please consult factory.

Impeller Trim Option

For List Price Adder please consult factory.

Seal Leak Probe (Standard on 5 and 7.5 HP, optional on 3 HP and below)

Order RP-JP43899 for 25'. For List Price Adder please consult factory.
Order RP-JP43900 for 50'. For List Price Adder please consult factory.
Order RP-JP43901 for 100'. For List Price Adder please consult factory.

Full featured control panels		Fiberglass basin systems		Leg kit	Flushing tube	Seal leak sensor		
Simplex	Duplex	Simplex	Duplex			25'	50'	100'
CPGVF1-10-S	CPGVF1-10-D	P1S-3060 P1S-3072 P1S-3084 P1S-3096	P1D-3660 P1D-3672 P1D-3684 P1D-3696	RP-JP26016	RP-JP40333	RP-JP43899	RP-JP43900	RP-JP43901
CPGVF1-10-S	CPGVF1-10-D							
CPGVF3-06-S	CPGVF3-06-D							
CPGVF3-06-S	CPGVF3-06-D							
CPGVF3-04-S	CPGVF3-04-D							
CPGVF1-16-S	CPGVF1-16-D							
CPGVF1-16-S	CPGVF1-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-04-S	CPGVF3-04-D							
CPGVF1-24-S	CPGVF1-24-D							
CPGVF1-24-S	CPGVF1-24-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-16-S	CPGVF3-16-D	P2S-3684 P2S-3696 P2S-36120 P2S-36144	P2D-4884 P2D-4896 P2D-48120 P2D-48144	RP-JP22302	RP-JP28223	Included As Standard	Included As Standard	Included As Standard

He control panels		Fiberglass basin systems		Leg kit	Flushing tube	Seal leak sensor		
Simplex	Duplex	Simplex	Duplex			25'	50'	100'
CPGVF1-10-S	CPGVF1-10-D	P3S-4884 P3S-4896 P3S-48120 P3S-48144	P3D-6084 P3D-6096 P3D-60120 P3D-60144	RP-JP11453	RP-JP28223	RP-JP43899	RP-JP43900	RP-JP43901
CPGVF1-10-S	CPGVF1-10-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-06-S	CPGVF3-06-D							
CPGVF3-04-S	CPGVF3-04-D							
CPGVF1-16-S	CPGVF1-16-D							
CPGVF1-16-S	CPGVF1-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-06-S	CPGVF3-06-D							
CPGVF1-24-S	CPGVF1-24-D							
CPGVF1-16-S	CPGVF1-16-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-06-S	CPGVF3-06-D							
CPGVF1-24-S	CPGVF1-24-D							
CPGVF1-24-S	CPGVF1-24-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-16-S	CPGVF3-16-D							
CPGVF3-10-S	CPGVF3-10-D							
CPGVF3-16-S	CPGVF3-16-D			RP-JP00701		Included As Standard	Included As Standard	Included As Standard
CPGVF3-16-S	CPGVF3-16-D							

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LIMITED WARRANTY

Jung Pumpen warrants to the original consumer purchaser ("Purchaser" or "You") of Jung Pumpen Effluent Pumps, Sewage Pumps, and Package Systems, that they will be free from defects in material and workmanship for the Warranty Period of 12 months from date of manufacture.

Our warranty will not apply to any product that, in our sole judgement, has been subject to negligence, misapplication, improper installation, or improper maintenance. Without limiting the foregoing, operating a three phase motor with single phase power through a phase converter will void the warranty. Note also that three phase motors must be protected by three-leg, ambient compensated, extra-quick trip overload relays of the recommended size or the warranty is void.

Your only remedy, and Jung Pumpen's only duty, is that Jung Pumpen repair or replace defective products (at Jung Pumpen's choice). You must pay all labor and shipping charges associated with this warranty and must request warranty service through the installing dealer or selling distributor as soon as a problem is discovered. No request for service will be accepted if received after the Warranty Period has expired. This warranty is not transferable.

EXCEPTIONS: Special Application Pumps, Filtered Effluent Pumps, Grinder Pumps, 2-1/2" Sewage Pumps, and Lift

Systems are warranted for a period of 12 months from date of purchase or 18 months from date of manufacture, whichever comes first.

Jung Pumpen SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER.

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LIMITED WARRANTY

HYDROMATIC warrants to the original consumer purchaser ("Purchaser" or "You") of HYDROMATIC products that they will be free from defects in material and workmanship for the Warranty Period of 36 months from date of manufacture.

Our warranty will not apply to any product that, in our sole judgement, has been subject to negligence, misapplication, improper installation, or improper maintenance. Without limiting the foregoing, operating a three phase motor with single phase power through a phase converter will void the warranty. Note also that three phase motors must be protected by three-leg, ambient compensated, extra-quick trip overload relays of the recommended size or the warranty is void.

Your only remedy, and HYDROMATIC's only duty, is that HYDROMATIC repair or replace defective products (at HYDROMATIC's choice). You must pay all labor and shipping charges associated with this warranty and must request warranty service through the installing dealer as soon as a problem is discovered. No request for service will be accepted if received after the Warranty Period has expired. This warranty is not transferable.

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