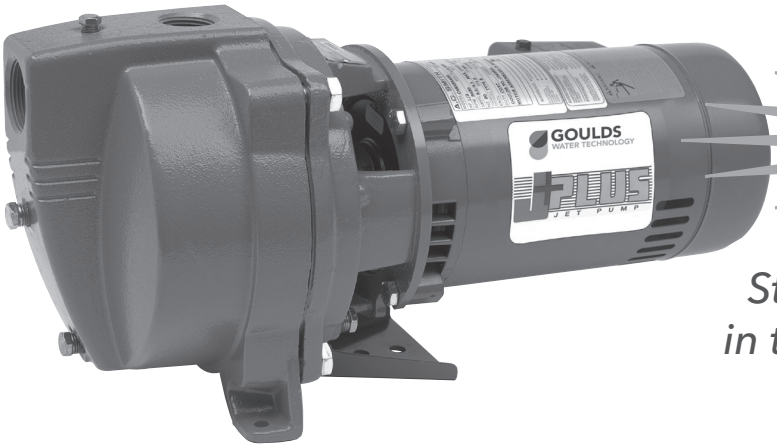
Authorized distributor
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xylem
Let's Solve Water

**TECHNICAL BROCHURE**
BJS+ R4




*NOW NSF LISTED!!*

*Still Built in the USA...*

DRINKING WATER
NSF/ANSI 61 & 372

# JS+ J5S, J5SH, J7S, J10S, J15S

SHALLOW WELL JET PUMPS - ½, ¾, 1 AND 1½ HP

BUILT IN THE USA
ENGINEERED, ASSEMBLED & TESTED

GOULDS WATER TECHNOLOGY
a xylem brand

Authorized distributor
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## FEATURES

**Compact:** Design has an integral shallow well adapter built into the casing, which eliminates the need for a separate shallow well adapter.

Serviceable:

- Back pullout design allows disassembly of pump for service without disturbing piping.
- Two compartment motor for easy access to motor wiring and replaceable components.
- Nozzle clean out plug in pump case.
- Corrosion resistant, engineered plastic tubing and fittings are easily removed for cleaning. Premium O-ring design fittings need only be hand tight to seal.

**Impeller:** F.D.A. compliant, glass filled engineered composite. Corrosion and abrasion resistant.

**Diffuser (Guidevane):** Bolt down diffuser provides positive alignment with impeller. Diffuser also has stainless wear ring for extended performance in abrasive conditions. F.D.A. compliant, injection molded, food grade, glass filled engineered composite for durability and abrasion resistance.

**Tubing and Fittings:** F.D.A. compliant engineered plastic is corrosion and U.V. resistant.

**Powered for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits. Can be operated continuously without damage.

**Corrosion Resistant:** Electro-coated paint process is applied inside and out, then baked on.

**Protected Mechanical Seal:** Special diaphragm design retains water in the casing at all times to ensure the mechanical seal can never run dry.

**Excellent Air Handling Ability:** After initial priming the pump has the ability to re-prime itself even when air gets into the system. Pumping resumes once the water level rises above the foot valve.

**NSF Listed:** The first NSF listed jet pumps in the industry. All jet pumps and shallow well components only, deep well components are not listed.

## APPLICATIONS

Specifically designed for the following uses:

- Homes
- Cottages
- Booster service

## SPECIFICATIONS

**Pump:**

- **Pipe connections:** 1¼" NPT suction and 1" NPT discharge
- **Pressure switch:** AS4 preset (30-50 PSI).

**Motor:**

- NEMA standard
- 60 Hz
- ½ – 1½ HP, 115/230 V capacitor start
- Single phase
- 3500 RPM
- Built-in overload with automatic reset
- Stainless steel shaft
- Rotation: clockwise when viewed from motor end
- UL778 listed

**Maximum temperature:** 140°F.

## SYSTEM COMPONENTS

- **Basic Pump Unit:** Includes pump with integral shallow well jet (nozzle and venturi), motor, pressure switch and tubing.

## AGENCY LISTINGS

Canadian Standards Association

Underwriters Laboratories①

DRINKING WATER
NSF/ANSI 61 & 372

## MODEL INFORMATION

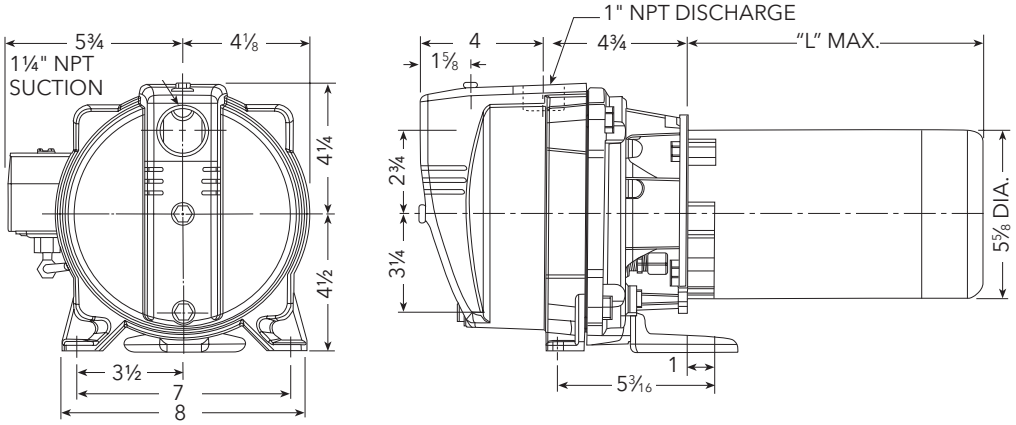
| CSA Listed Order No. | U.L. Listed Order No. | HP |
|---|---|---|
| J5S | J5SUL | ½ |
| J5SH | J5SHUL | ½ |
| J7S | J7SUL | ¾ |
| J10S | J10SUL | 1 |
| J15S | J15SUL | 1½ |

## SHALLOW WELL PERFORMANCE RATINGS

| HP/Model | ½ HP – J5S | | | | | ½ HP – J5SH | | | | | | ¾ HP – J7S | | | | | 1 HP – J10S | | | | | 1½ HP – J15S | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nozzle | AN017 | | | | | AN019 | | | | | | AN018 | | | | | AN018 | | | | | AN022 | | | | |
| Venturi | AD3332 | | | | | AD3328 | | | | | | AD3336 | | | | | AD3339 | | | | | AD3342 | | | | |
| | Discharge Pressure – PSI | | | | | Discharge Pressure – PSI | | | | | | Discharge Pressure – PSI | | | | | Discharge Pressure – PSI | | | | | Discharge Pressure – PSI | | | | |
| Total Suction Lift (feet) | 20 | 30 | 40 | 50 | Max. Shut off (PSI) | 20 | 30 | 40 | 50 | 60 | Max. Shut off (PSI) | 30 | 40 | 50 | 60 | Max. Shut off (PSI) | 30 | 40 | 50 | 60 | Max. Shut off (PSI) | 30 | 40 | 50 | 60 | Max. Shut off (PSI) |
| | Gallons per minute | | | | | Gallons per minute | | | | | | Gallons per minute | | | | | Gallons per minute | | | | | Gallons per minute | | | | |
| 5 | 17.5 | 16.5 | 10.2 | 5.0 | 63 | 11.5 | 11.3 | 11.0 | 7.7 | 4.8 | 83 | 21.3 | 18.3 | 12.5 | 6.6 | 70 | 24.8 | 24.4 | 16.6 | 9.9 | 74 | 26.6 | 26.3 | 25.0 | 15.6 | 80 |
| 10 | 15.7 | 14.4 | 9.2 | 4.3 | 61 | 10.3 | 10.0 | 9.6 | 7.0 | 4.2 | 81 | 18.8 | 17.3 | 11.3 | 5.0 | 68 | 22.9 | 22.2 | 15.8 | 8.6 | 72 | 24.7 | 24.3 | 22.6 | 13.9 | 77 |
| 15 | 13.7 | 12.5 | 8.0 | 3.6 | 59 | 8.8 | 8.6 | 8.3 | 6.3 | 3.7 | 79 | 16.4 | 15.5 | 9.6 | 3.7 | 66 | 19.8 | 19.5 | 13.8 | 6.9 | 70 | 21.6 | 21.5 | 20.4 | 12.9 | 75 |
| 20 | 11.5 | 10.4 | 7.1 | 2.3 | 57 | 7.0 | 7.0 | 6.8 | 5.8 | 3.2 | 76 | 13.6 | 13.2 | 8.3 | 2.0 | 63 | 16.6 | 16.6 | 12.2 | 5.6 | 67 | 18.1 | 18.0 | 17.6 | 12.0 | 73 |
| 25 | 8.7 | 8.6 | 6.2 | 1.3 | 54 | 5.3 | 5.2 | 5.2 | 5.0 | 2.8 | 73 | 10.0 | 9.9 | 6.4 | 1.0 | 59 | 12.5 | 12.4 | 10.4 | 3.6 | 65 | 14.0 | 14.0 | 14.0 | 10.1 | 71 |

## DIMENSIONS AND WEIGHTS

| Model | J5S | J5SH | J7S | J10S | J15S |
|---|---|---|---|---|---|
| Wt. (lbs.) | 43 | 43 | 47 | 50 | 60 |
| Length | 17¼ | 17¼ | 18¼ | 18¾ | 19¼ |
| Width | 9⅞ | | | | |
| Height | 8¾ | | | | |
| HP | ½ | ½ | ¾ | 1 | 1½ |
| "L" Max. | 8½ | 8½ | 9½ | 10 | 10½ |

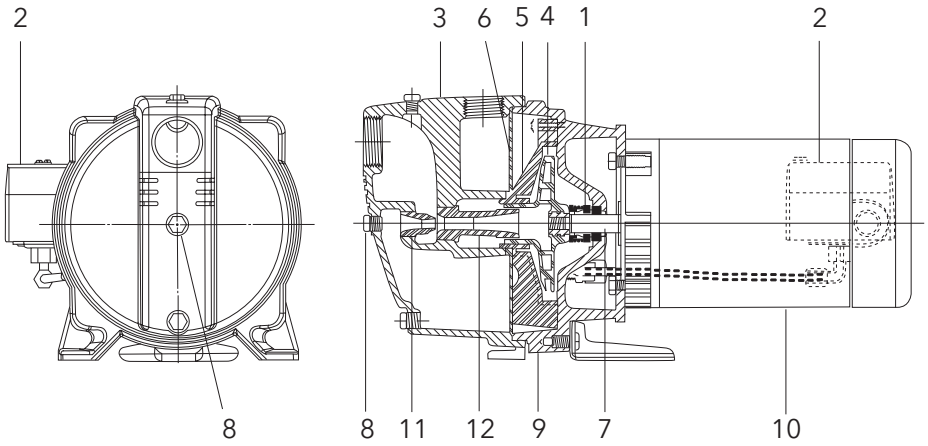



(All dimensions are in inches and weights in lbs. Do not use for construction purposes.)

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## COMPONENTS

| Item No. | Description |
|---|---|
| 1 | Mechanical seal |
| 2 | Pressure switch |
| 3 | Casing |
| 4 | Impeller |
| 5 | Diffuser (Guidevane) |
| 6 | Diaphragm |
| 7 | Stainless steel shaft |
| 8 | Nozzle clean-out plug |
| 9 | Motor adapter |
| 10 | Motor |
| 11 | Nozzle |
| 12 | Venturi (diffuser) |




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