



60 Hz

Shallow Well Jet Pumps ½, ¾, 1 and 1½ HP

MODEL

JS +

J5S, J5SH, J7S, J10S, and J15S

APPLICATIONS

Specifically designed for:

- Homes
- Cottages
- Booster service

SPECIFICATIONS

Pump:

- Pipe connections:
 1½" NPT suction
 1" NPT discharge.
- Pressure switch: AS4FX preset (30-50 PSI).

Motor:

- NEMA standard.
- 60 Hz.
- $\frac{1}{2}$ $\frac{1}{2}$ 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.

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 Noryl®. 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 Lexan® 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.

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

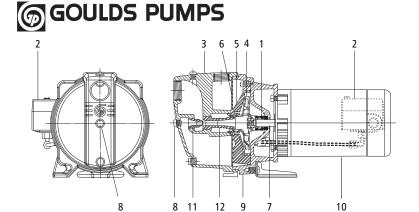


Underwriters Laboratories

Goulds Pumps is ISO 9001 Registered.

Goulds Pumps





Shallow Well Jet Pumps 1/2, 3/4, 1 and 11/2 HP

MODEL

JS +

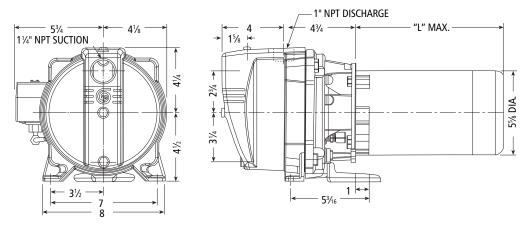
J5S, J5SH, J7S, J10S, and J15S

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)

DIMENSIONS AND WEIGHTS

Model	J5S	J5SH	J7S	J10S	J15S									
Wt. (lbs.)	43	43	47	50	60									
Length	171/4	171/4	181/4	183/4	191/4									
Width	91/8													
Height	83//4													
HP	1/2	1/2	3/4	1	11/2									
"L" Max.	81/2	81/2	9½	10	101/2									



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

SHALLOW WELL PERFORMANCE RATINGS

HP/Model	½ HP – J5S ½ HP – J5SH								3/4	HP –	J7S			1 H	IP – J	10S		1½ HP – J15S								
Nozzle			AN01	7		AN019						AN018					AN018					AN022				
Venturi		P	AD333	32		AD3328						AD3336					AD3339					AD3342				
	Discharge Pressure – PSI					Discharge Pressure – PSI					Discharge Pressure – PSI					Discharge Pressure – PSI					Discharge Pressure – PSI				– PSI	
20 30 40 30 61			Max. Shut	20	30	40	50	60	Max. Shut	30	40	50	60	Max. Shut	30	40	50	60	Max. Shut	30	40	50	60	Max. Shut		
Total Suction Lift (feet)	Gallons per minute off (PSI)					Gallons per minute off (PSI)					off				Gallons per minute off				off	Gallons ner minute				off		
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

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