

# JRS JRS5, JRS5H, JRS7 and JRS10

SHALLOW WELL JET PUMPS - ½, ¾ AND 1 HP (60 HZ)



# Goulds Water Technology

# Residential Water Systems

#### **FEATURES**

Compact: Design has an integral shallow well jet 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.
- O-ring casing seal

Drain Plug: For ease of winterizing and maintenance.

**Seal Housing:** Engineered composite. Corrosion and abrasion resistant.

Impeller: F.D.A. compliant, glass filled Noryl®.

Corrosion and abrasion resistant.

**Diffuser (Guidevane):** 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-coat paint process is applied inside and out, then baked on.

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

#### **APPLICATIONS**

Specifically designed for the following uses:

- Homes
- Cottages
- Booster service

#### **SPECIFICATIONS**

#### Pump:

• Pipe connections: 11/4" suction and 1" discharge

• Pressure switch: AS4 preset (30-50 PSI).

#### **Motor:**

- NEMA service factors
- 60 Hz
- ½ 1 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

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**



#### **PERFORMANCE RATINGS - SHALLOW WELL**

HP/Order No.	½ HP - JRS5				3⁄4 HP - JRS7			1 HP - JR\$10						
Nozzle		AN018				AN018			AN018					
Venturi		AD3330				AD3336			AD3339					
	Discharge Pressure - PSI				Discharge Pressure - PSI				Discharge Pressure - PSI					
Total Suction	20	30	40	50	Max.	30	40	50	Max.	30	40	50	60	Max.
Lift (feet)	Callanananminuta			Shut-off (PSI)	Gallons per minute			Shut-off (PSI)	C-11			Shut-off (PSI)		
5	14.1	13.3	10.5	5.8	64	22.5	17.9	12.4	69	27.0	22.4	15.7	9.6	72
10	12.4	12.0	9.2	4.2	59	20.3	16.3	11.5	65	24.5	20.5	14.8	7.5	69
15	10.5	10.0	8.0	2.4	56	17.8	15.3	9.0	63	21.2	19.2	12.6	5.1	66
20	8.6	8.5	6.6	1.2	53	14.8	13.6	7.3	61	17.6	16.8	11.1	3.3	63
25	6.7	6.5	5.0	0.6	51	11.5	10.8	5.2	58	13.4	13.0	8.7	-	61

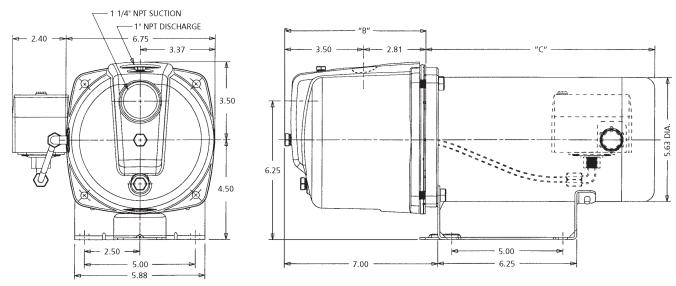
## PERFORMANCE RATINGS - SHALLOW WELL, HIGH PRESSURE

HP/Order No.	½ HP - JRS5H									
Nozzle	AN020									
Venturi	AD3325									
	Discharge Pressure - PSI									
Total Suction	20	30	40	50	60	70	80	Max.		
Lift (feet)		Shut-off (PSI)								
5	6.7	6.4	6.2	5.8	4.2	2.5	0.8	84		
10	5.8	5.6	5.3	5.1	3.7	2.0	NA	82		
15	4.8	4.7	4.6	4.5	3.3	1.5	NA	79		
20	4.0	3.8	3.7	3.6	3.1	1.3	NA	75		
25	3.0	2.9	2.9	2.8	2.3	0.8	NA	74		

#### **DIMENSIONS AND WEIGHTS**

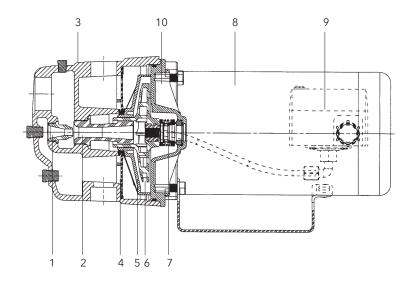
Order No.	НР		Wt. (lbs.)			
Order No.	ПР	"C" Max.	"B" Max.	Width	Height	Wt. (IDS.)
JRS5(H)	1/2	10.81				37
JRS7	3/4	11.56	6.31	9.15	8.0	42
JRS10	1	11.81				47

Do not use for construction purposes.



#### **COMPONENTS**

Item No.	Description				
1	Nozzle				
2	Venturi				
3	Cast Iron Casing				
4	Separator plate				
5	Diffuser (Guidevane)				
6	Impeller				
7	Mechanical seal				
8	Motor				
9	Pressure switch				
10	Seal housing				





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