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SINGER MODEL 34

Modulating Float Pilot Drawing A0606B

Installation, Operating and Maintenance Instructions

DESCRIPTION:

Model 34 is a modulating float pilot with vertical rod. It positions 106-PG or 206-PG main valves in proportion to the reservoir level.

DESCRIPTION OF OPERATION:

When the level in the reservoir rises and lifts the float (16), the pilot closes. When the level drops, the pilot opens.

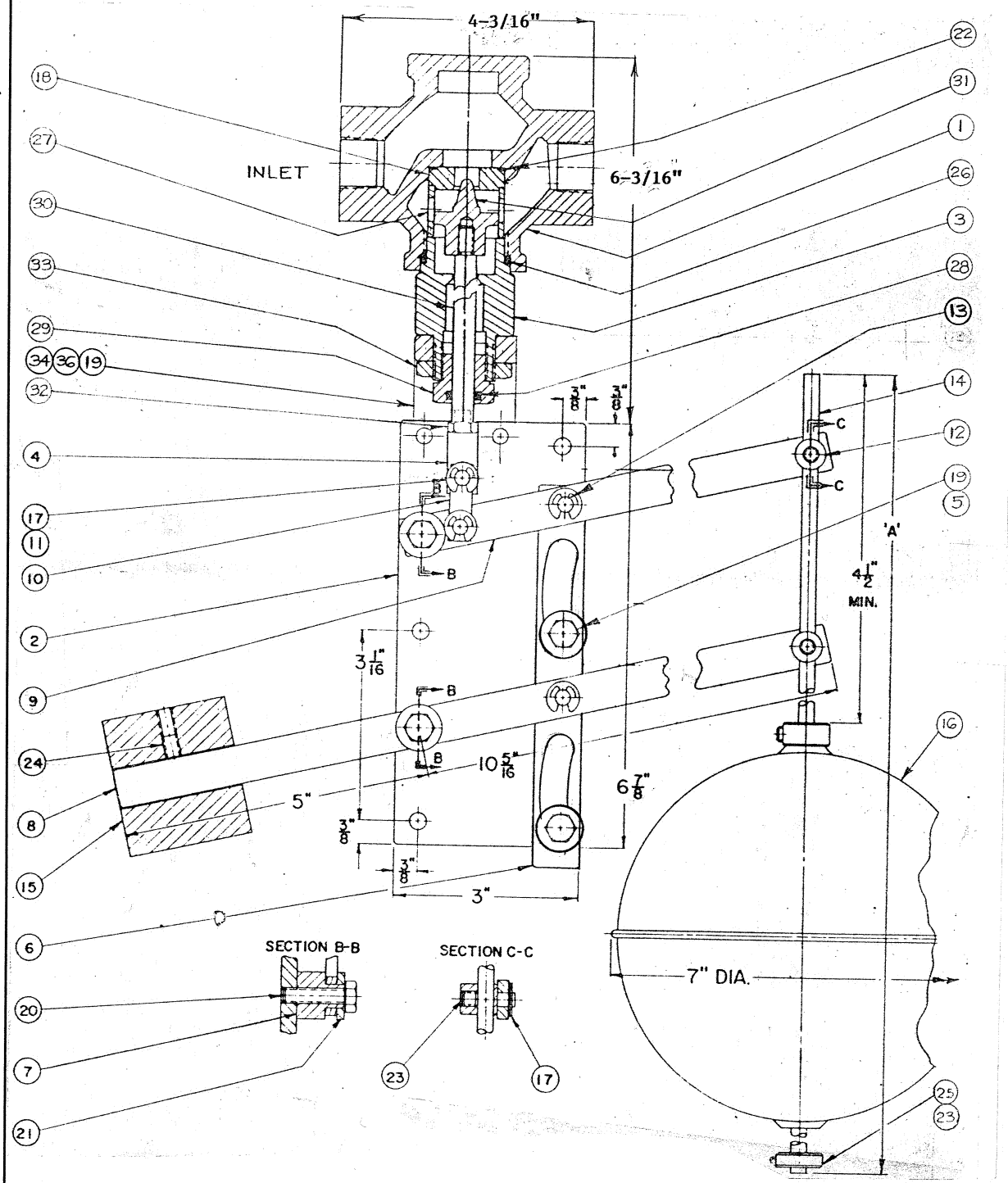
INSTALLATION:

1. Install the pilot above the maximum level of the reservoir either by attaching the inlet N.P.T. connection to a horizontal ½" pipe with N.P.T. end OR by using the 9/32" holes on the mounting bracket (2).
2. Waves and turbulence may hinder the operation or cause damage to the float and lever assembly. It is recommended that the float be placed in a still well or in a location where turbulence and wave action is minimal.
3. Make sure that the float rod (14) is vertical. Check for free movement of the float rod and lever assembly.
4. Connect the pilot inlet to the main valve as shown on the schematic

Material Specification for Drawing A0606C

Item	Description	Standard Material	Item	Description	Standard Material
1.	Body	Bronze	18.	Seat Ring	Nylatron
2.	Mounting Bracket	Brass	19.	Guide Bar Screws	Stainless Steel
3.	Bonnet	Brass	20.	Lever Arm Screws	Stainless Steel
4.	Adjusting Collar	Brass	21.	Washer	Stainless Steel
5.	Guide Bar Bushing	Stainless Steel	22.	Seat Ring Seal	Buna-N
6.	Guide Bar	Brass	23.	Clamp Set Screw	Stainless Steel
7.	Lever Arm Bushing	Stainless Steel	24.	Balance Weight Scr	Stainless Steel
8.	CW Lever Arm	Brass	25.	Adjustable Stop	Brass
9.	Lever Arm	Brass	26.	Bonnet Seal	Buna-N
10.	Connector Bar	Brass	27.	Inner Valve Cage	Bronze
11.	Retaining Pin	Brass	28.	Stem Seal	Buna-N
12.	Clamp	Brass	29.	Seal Bushing	Brass
13.	Guide Bar Pin	Brass	30.	Valve Stem	Stainless Steel
14.	Float Rod	Brass	31.	Inner Valve	Stainless Steel
15.	Counterweight	Cast Iron	32.	Locknut	Stainless Steel
16.	Float	Copper (soldered)	33.	Yoke Locknut	Brass
17.	Retaining Rings	Stainless Steel			

Singer Model 34 Float Pilot



A0606B