SINGER VALVE
Result-Based Solutions. Globally.™

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SINGER MODEL 35

Modulating Float Pilot Schematic A0797B
Installation, Operating and Maintenance Instructions

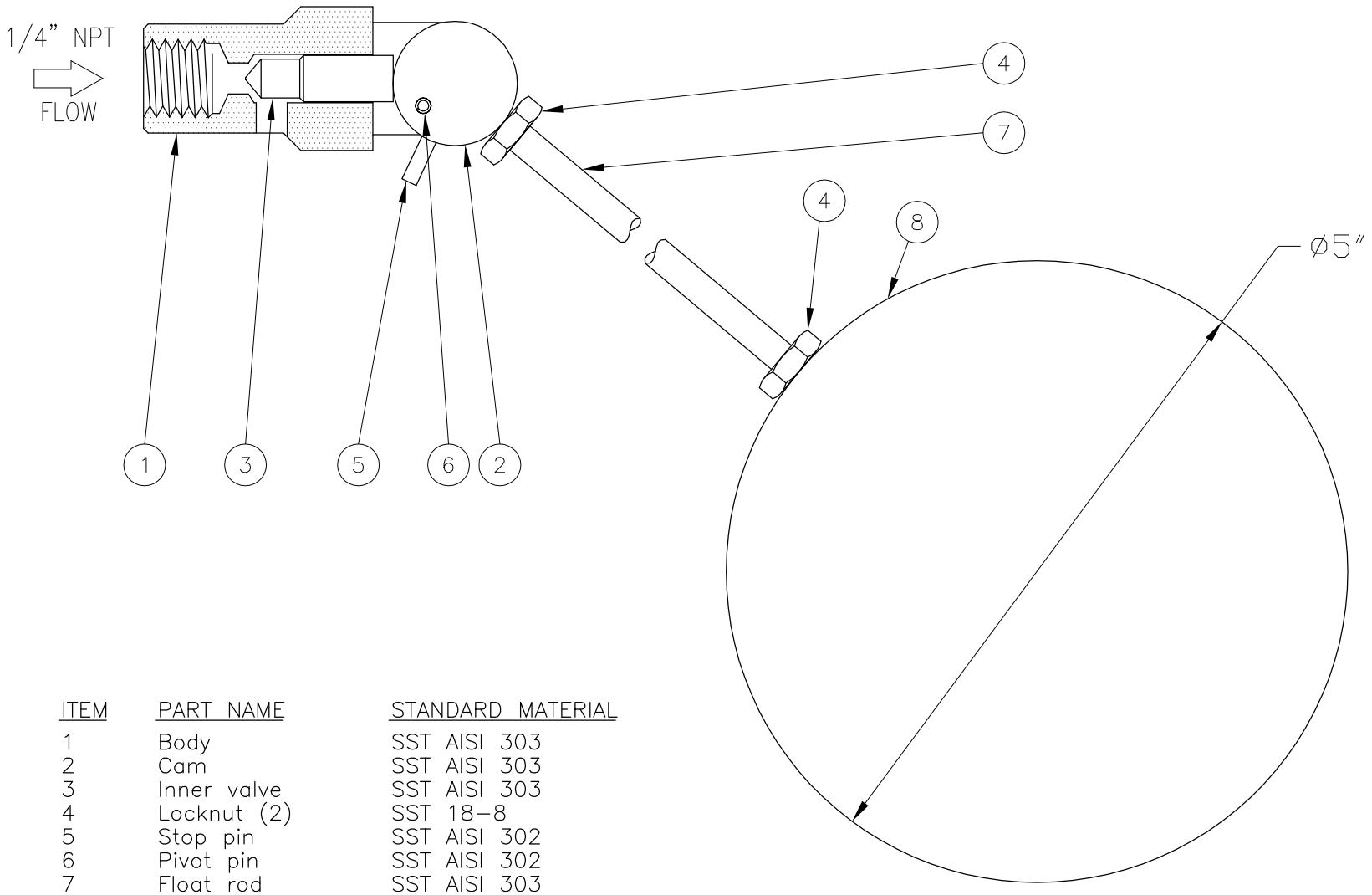
DESCRIPTION:
Model 35 is a modulating stainless steel float pilot with a copper float. Stainless steel float is available as an option. The pilot positions the 106/206-PG main valve in proportion to the reservoir level.

DESCRIPTION OF OPERATION:
Rising level lifts the float and rotates the cam (2) about pivot pin (6). The cam pushes the inner valve (3) to the seat in the body (1) and closes the pilot. Dropping level allows the water pressure to push the inner valve out and opens the pilot.

Reverse acting model of Model 35 is also available.

INSTALLATION:
1. Refer to 106/206-F-IV instructions and schematic. The line from the main valve to the reservoir must terminate approximately 4.5" above the desired water level and must be a horizontal 1/4" male N.P.T. pipe. The float must be installed in an area of no wave action or surface disturbance.
2. Install Model 35 pilot to pipe mentioned in (1) above. The float rod must move in a vertical plane.
3. If the water level must be adjusted, move the pipe mentioned in (1) above. The level can be increased a few inches by bending the float rod, but this is not recommended because rotation of the float rod can cause the float rod to go past the vertical position, resulting in the float rod being held in the fully open position.

A0797B



ITEM	PART NAME	STANDARD MATERIAL
1	Body	SST AISI 303
2	Cam	SST AISI 303
3	Inner valve	SST AISI 303
4	Locknut (2)	SST 18–8
5	Stop pin	SST AISI 302
6	Pivot pin	SST AISI 302
7	Float rod	SST AISI 303
8	Float	SST 18–8

MODULATING FLOAT PILOT

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