



HYDROMATIC®
ENGINEERED PRODUCTS

8300 Mercury* Level Float Switch

FLOAT SWITCH – CONTROL DUTY

8300 Mercury Series – Narrow Angle Float Switch

GENERAL

Designed for accurate liquid level control in many applications including sewage environments. The float switch can be utilized to signify specific water levels or for direct alarm actuation.

SWITCH VARIATIONS

Normally Open (N/O) – Yellow Float

The contacts are open (or off) in the hanging position. As the float rises 1" (5°) above horizontal, the contacts become closed and actuate (turn on) the switch. This float is generally used in pump down applications.

Normally Closed (N/C) – Red Float

The contacts are closed (or on) in the hanging position. As the float rises 1" (5°) above horizontal, the contacts become open and actuate (turn off) the switch. This float is generally used in pump up applications.

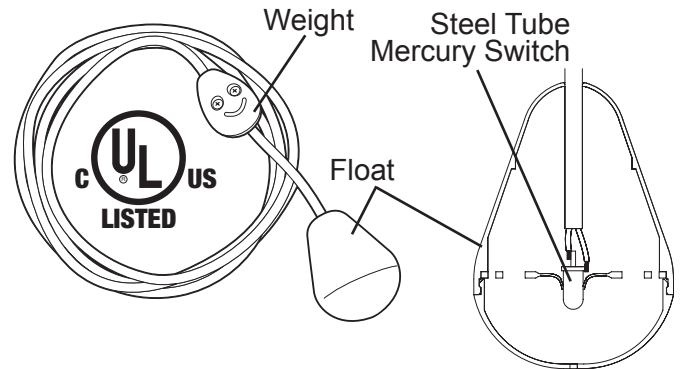
FLOAT SPECIFICATIONS

Durable polypropylene material construction. Solid polyurethane foam interior. Leak proof, shock proof, and impact resistant. Resistant to sewage and wastewater applications. For use with intrinsically safe circuits.

CORD WEIGHT

Zinc plated cast iron (1.22 lbs.). Split weight design allows for easy adjustment. Design allows for secure and permanent attachment to cord.

*This product contains mercury and must be disposed of according to local and federal codes.



SWITCH SPECIFICATIONS

8300 series mercury float switches are designed to operate under the following parameters:

Minimum operating temperature	32°F
Maximum operating temperature	170°F
Electrical rating	10 A–120 vac, 3 A–240 vac
Actuation point	1" above / below horizontal

POWER CORD SPECIFICATIONS

Conductor cord – physical	Chlorinated polyethylene
Cord Diameter	.290 O.D.
Electrical for N/O or N/C	18 awg 2, type SJOOW, 300 V
Electrical for SPDT switch	18 awg 3, type SJOOW, 300 V



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