

FLOAT SWITCH – CONTROL DUTY

2900 MERCURY SERIES – STAINLESS STEEL FLOAT SWITCH

GENERAL

DESIGNED FOR ACCURATE LIQUID LEVEL CONTROL IN MANY APPLICATIONS INCLUDING CHEMICAL WASH TANKS, VIOLENT APPLICATIONS OR SEWAGE ENVIRONMENTS. THE FLOAT SWITCH CAN BE UTILIZED TO SIGNIFY SPECIFIC WATER LEVELS OR FOR DIRECT ALARM ACTUATION.

SWITCH VARIATIONS

NORMALLY OPEN (N/O)

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)

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.

SWITCH SPECIFICATIONS

2900 SERIES MERCURY FLOAT SWITCHES ARE DESIGNED TO OPERATE UNDER THE FOLLOWING PARAMETERS.

MINIMUM OPERATING TEMPERATURE	-	32 DEGREES F.
MAXIMUM OPERATING TEMPERATURE	-	221 DEGREES F.
ELECTRICAL RATING	-	18 AMP – 120 VAC.
ACTUATION POINT	-	1" ABOVE / BELOW HORIZONTAL.

POWER CORD SPECIFICATIONS

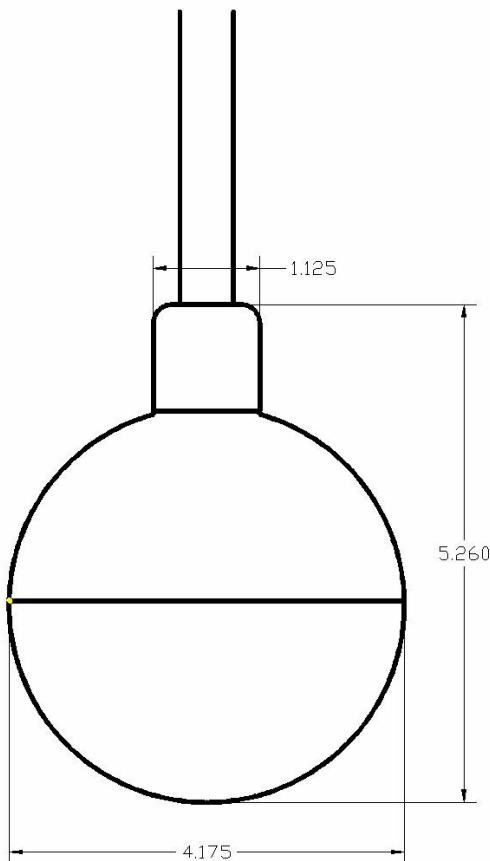
CONDUCTOR CORD – PHYSICAL	-	CHLORINATED POLY ETHYLENE.
ELECTRICAL FOR N/O OR N/C SWITCH	-	14 AWG 3, TYPE SOO-600 VOLT.

FLOAT SPECIFICATIONS

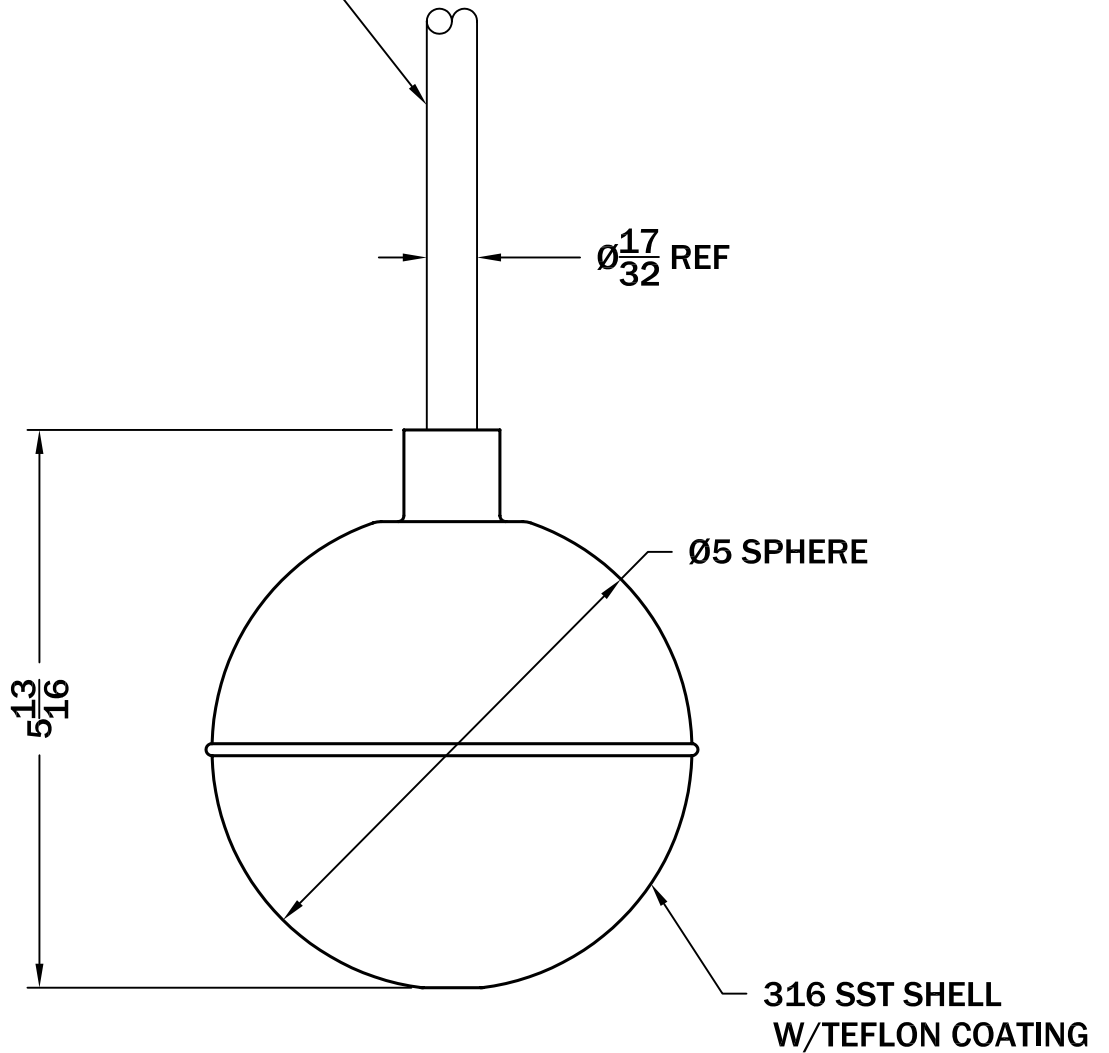
TEFLON® COATED TYPE 316 STAINLESS STEEL HOUSING.
CAN WITHSTAND HIGH TEMPERATURES AND MOST CORROSIVE CHEMICALS.
FOR USE WITH INTRINSICALLY SAFE CIRCUITS.

CORD BRACKET

COMES STANDARD WITH A 1" STAINLESS STEEL PIPE MOUNT ASSEMBLY



14/3 SOOW CABLE



ALL INFORMATION CONTAINED IN THIS DRAWING IS
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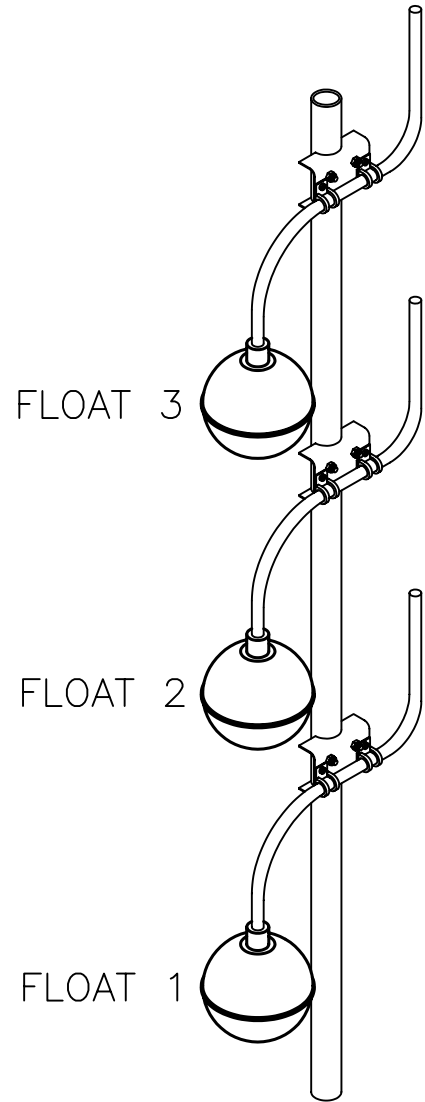
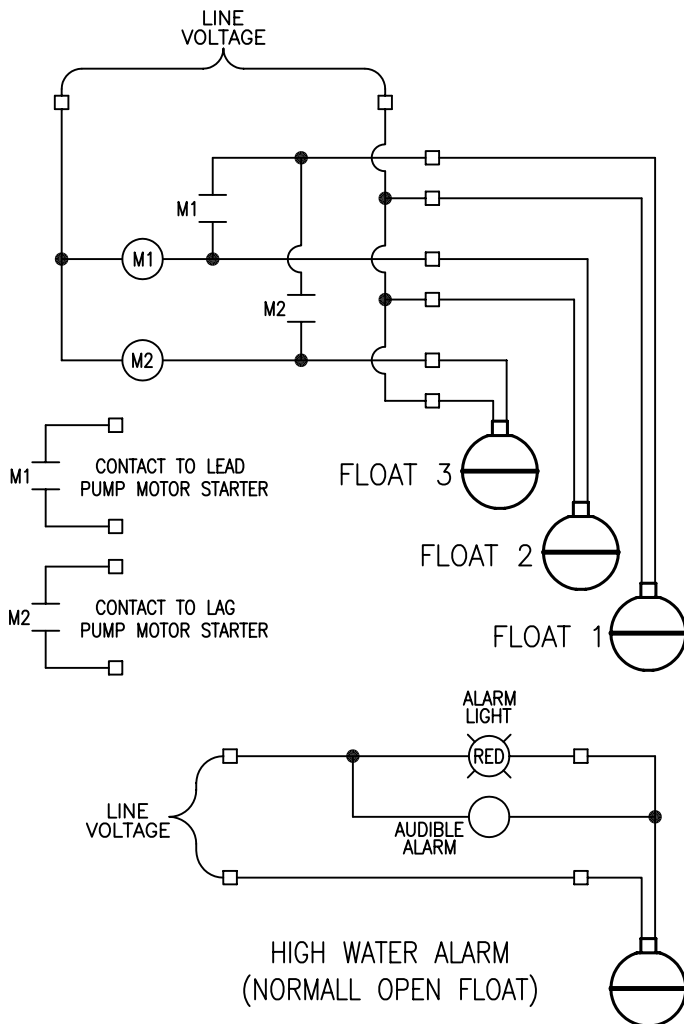
CHANGES	TOLERANCES	DRAWN BY	DATE	SPECIFICATION SHEET SSF SST FLOAT	
F	DECIMALS .XXX = ±.005 .XX = ±.010 FRACTIONAL X/X = ±.1/64 ANGLES X° = ±1/2°	D. MIDDLETON	02/20/04	SCALE:	PART NO.
E		MATERIAL SPECIFICATION: NARROW ANGLE MERCURY FLOAT		HALF	SSF FLOAT
D					
C					
B					
A					

NOTE: ALL ELECTRICAL DIAGRAMS SHOWN ARE EXAMPLES ONLY, CONSULT WITH LOCAL ELECTRICAL AUTHORITIES AND CODES. DO NOT USE THESE PRODUCTS IN GASOLINE, VOLATILES, OTHER COMBUSTIBLES.

SSF FLOAT

TYPICAL MOUNTING

FOR PUMP DOWN USE
(NORMALLY OPEN FLOATS)
FOR PUMP UP USE
(NORMALLY CLOSED FLOATS)



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CHANGES	TOLERANCES	DRAWN BY	DATE	SPECIFICATION SHEET		
F	DECIMALS	D. MIDDLETON	02/20/04	SSF SST FLOAT		
E	.XXX = ±.005	MATERIAL SPECIFICATION: NARROW ANGLE MERCURY FLOAT		SCALE:	PART NO.	
D	.XX = ±.010			NONE	SSF FLOAT	
C	FRACTIONAL					
B	X/X = ±.1/64					
A	ANGLES					
	X' = ±1/2'					