

# 9G Direct Acting Float Switch (B100)



The 9G is arguably the most reliable float switch available for measurement of liquids that can have a high content of suspended solids including; sewage wet wells, storm water basins, sludge tanks, irrigation channels and process sumps to name a few.

Its unmatched reliability and maintenance free operation is possible due to its unique construction. A high quality ETFE Teflon™ coated 316 stainless steel and rugged CPE jacketed SOOW rated cable gives the float excellent chemical resistance characteristics providing a long service life. This unique construction allows it to operate in environments that would make other float switch measurement systems unreliable.

This very popular float switch has been saving our customers money for over 30 years with lower maintenance costs, reduced system downtime and virtually no replacement costs due to failure.

A single 9G float can be used to sense an alarm level or multiple 9G floats in conjunction with our line of float switch controllers can provide a simple and reliable float based control system for primary or back up control of your process. The 9G float(s) can be easily mounted using our 316 stainless steel cable suspension kit allowing easy retrieval or a ridged 1" pipe using our 316 stainless steel pipe mounting kit. Junction box kits are offered to simplify installation and provide a convenient termination point.

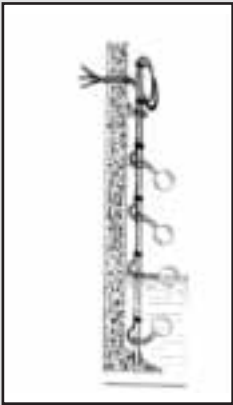
**SUGGESTED SPECIFICATION**

A float switch shall be used to provide liquid level measurement as herein specified. The float housing shall be constructed of a minimum 20 gauge 316 SS with a high quality ETFE Teflon coating and shall have a minimum diameter of 5.5" with 2 lbs of buoyancy. The float switch shall have an epoxy encapsulated mercury switch with a

minimum electrical rating of 15 amps (resistive load) @ 120 VAC and 7.5 amps (resistive load) at 240 VAC.

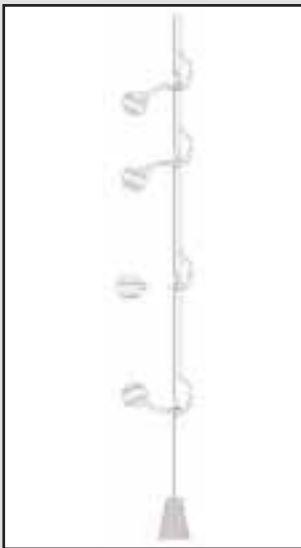
The float switch shall have a flexible, high quality, rugged duty, oil and water resistant CPE jacketed cable with three (2 signal, 1 ground) fine stranded 14 gauge copper conductors that meet UL and CSA Type SOOW rating or better. The float switch cable shall be protected from premature failure due to stress and wear at the switch mounting pivot point with a Buna-N sleeve and end flared 315 SS mounting ring suitable for 31 SS cable (suspended) or 1" pipe (fixed) mounting as specified elsewhere.

The float switch shall be UL listed and available in Normally Open or Normally Closed configurations and shall have a 3 year factory warrant. The float switch shall be a Model 9G as manufactured by Siemens Water Technologies, Control Systems products in Vadnais Heights, MN.

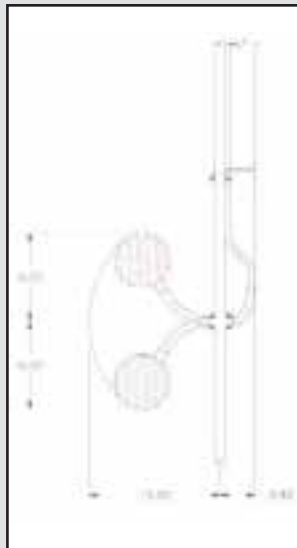


DESCRIPTION	PART NO.
<b>9G NOTP Float Switch</b>	
Teflon coated Stainless Steel Float Switch w/1 N.O. Contact & 30' Cable	6013400030
Teflon coated Stainless Steel Float Switch w/1 N.O. Contact & 60' Cable	6013400060
<b>9G NCTP Float Switch</b>	
Teflon coated Stainless Steel Float Switch w/1 N.C. Contact & 30' Cable	6013500030
Teflon coated Stainless Steel Float Switch w/1 N.C. Contact & 60' Cable	6013500060
<b>Mounting Hardware &amp; Accessories</b>	
9G Float Cable Clamp Assembly	6012120001
9G Float 1" Pipe Clamp Assembly	6011840001
Stainless Steel cable suspension kit, 21'	6014400020
Stainless Steel cable suspension kit, 31'	6014400030
Stainless Steel cable suspension kit, 41'	6014400040
Stainless Steel cable suspension kit, 61'	6014400060
Stainless Steel cable suspension kit, 81'	6014400080
Stainless Steel cable suspension kit, 101'	6014400100
5 Float Suspension Mount, 2 piece bracket w/strain reliefs	8031340001
9G CL3 1" stainless steel pipe mount clamps (transducer or float mount)	6011340001
15# Anchor	xx-333-100
Float Cable/Anchor kit 30' (w/15lb anchor, 30' SS cable, wall bracket, 5 cable clamp)	8032110003
Float Cable/Anchor kit 60' (w/15lb anchor, 60' SS cable, wall bracket, 5 cable clamp)	8032110006
IS6 Six Circuit Intrinsically Safe (Switch Circuit) Barrier: 12-24V DC powered	6013160002
9G JCTF fiberglass junction box (supports up to XXXX floats)	6011020001

Typical Mounting



Pipe Mounting Dimensions



#### COMPLETE CONTROL CAPABILITIES

Siemens Water Technologies offers a single, high-quality source for everything from simple level sensors to telemetry systems involving complex system control engineering and software. Based in Vadnais Heights, Minnesota, Control Systems is part of the Siemens Water Technologies leading global provider of industrial, municipal and residential water and wastewater treatment systems, products and services. As a major manufacturer/integrator with an extensive selection of specialized product lines in the areas of SCADA and telemetry, power equipment integration, automation and measurement, Control Systems is uniquely positioned to provide cost effective, comprehensive solutions for water, wastewater and process control and telemetry applications.

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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