

# 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 304 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 304 stainless steel cable suspension kit allowing easy retrieval or a ridged 1" pipe using our 304 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 304 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 304 SS mounting ring suitable for 304 SS cable (suspended) or 1" pipe (fixed) mounting as specified elsewhere.

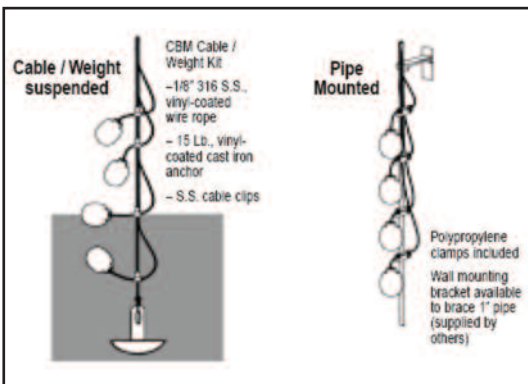
The float switch shall be UL listed and available in Normally Open or Normally Closed configurations and shall have a 3 year factory warranty. The float switch shall be a Model 9G as manufactured by Siemens Water Technologies, Control Systems products in Vadnais Heights, MN.



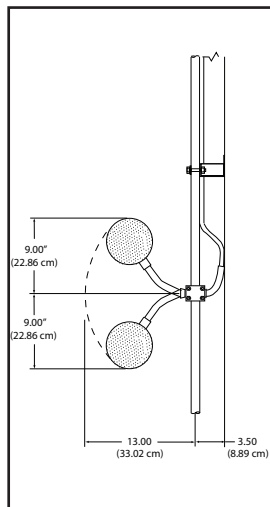
## 9G Direct Acting Float Switch (B100)

Description	Part Number
<b>9G NOTP Float Switch</b>	
Teflon coated 304 SS Float Switch w/1 N.O. Contact & 30' Cable	W2T295697
Teflon coated 304 SS Float Switch w/1 N.O. Contact & 60' Cable	W2T294140
<b>9G NCTP Float Switch</b>	
Teflon coated 304 SS Float Switch w/1 N.C. Contact & 30' Cable	W2T295698
Teflon coated 304 SS Float Switch w/1 N.C. Contact & 60' Cable	W2T295700
<b>Mounting Hardware &amp; Accessories</b>	
9G Float Cable Clamp Assembly	W3T4758
9G Float 1 1/2" Pipe Clamp Assembly	W2T294057
304SS cable suspension kit, 21'	W3T4901
304 SS cable suspension kit, 31'	W3T4902
304 SS cable suspension kit, 41'	W3T4903
304 SS cable suspension kit, 61'	W3T4904
304 SS cable suspension kit, 81'	W3T4905
304 SS cable suspension kit, 101'	W3T4906
5 Float Suspension Mount, 2 piece bracket w/strain reliefs	W2T277359
9G CL3 1" stainless steel pipe mount clamps (transducer or float mount)	W3T4748
15# Anchor	W2T280921
Float Cable/Anchor kit 30' (w/15lb anchor, 30' SS cable, wall bracket, 5 cable clamp)	W2T295021
Float Cable/Anchor kit 60' (w/15lb anchor, 60' SS cable, wall bracket, 5 cable clamp)	W2T295022
IS6 Six Circuit Intrinsically Safe (Switch Circuit) Barrier: 12-24V DC powered	W2T294110
9G JCTF fiberglass junction box (supports up to XXXX floats)	W3T4742

### 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.

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