

Features

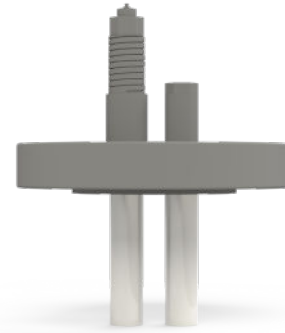
- ✔ Virgin polypropylene or natural PVDF comes into contact with the process fluids
- 🛡️ Thick plastic jacketing is welded in place
- ⚡ No cracks, joints, or crevices to collect contaminants
- 🏭 Suitable for fluids used in silicon chip and electronics manufacturing
- ☠️ Use in industrial processes which are extremely corrosive such as hydrofluoric acid plants, pickling lines, and plating solutions
- 💧 Plastic surfaces are flame smoothed for the best available surface

Description

The Delta Controls **Model P68** Capacitance Probe uses all plastic wetted parts and is intended for sanitary service. The probe is designed for **use in processes** and **storage tanks** where the possibility of contamination is prohibited. Process examples include etchants, high purity plating solutions, and ferric chloride.

The P68 is also commonly used in industrial process systems which are extremely corrosive. **Kynar® PVDF is highly inert** and unaffected by almost all strong acids and bases below a temperature of 275 °F (135 °C). Applications include hydrofluoric acid level, refinery hydroformers, bromine condensers, chlorine generation cells, and radioactive wastes.

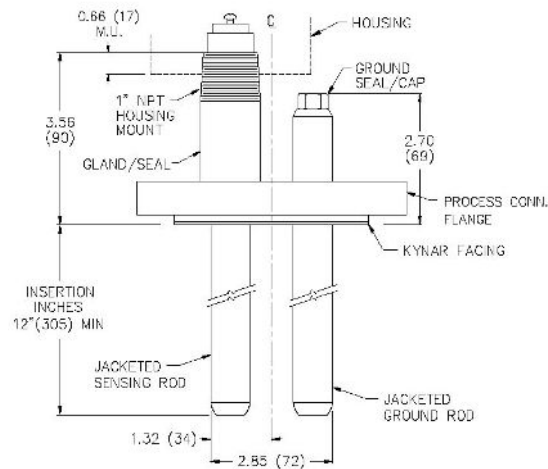
The P68 is a heavy-duty rugged sensing probe with jacketed ground reference rod and provides **high reliability** in difficult applications.



Model P68

Specifications

Working Pressure:	-15 psig to +300 psig (-1.03 bar to +20.7 bar)
Working Temperature:	-40 °F to +300 °F (-40 °C to +159 °C)
Insertion Length:	≤ 6 ft (2 m)
Process Connection:	3.0 in minimum
Threaded Process Connection:	3.0 in
Flanged Process Connection:	3.0 in to 4.0 in
Flange Rating:	≤ 600 lb
Available Wetted Materials:	Kynar® PVDF, Polypropylene, carbon steel
Ground Rod:	Kynar® PVDF, Polypropylene (other materials available)



Model Numbering System

MODEL EXAMPLE	MODEL	INSERTION LENGTH	SHIELD & EXTENSION	PROCESS CONNECTION	OPTIONS ¹
	P68K	**.*	AA	2" MPTY	AA

MODEL	DESCRIPTION
P68K	Capacitance Probe, Sanitary Service, Metal Ion Free Service, Parallel Ground, Kynar®
P68P	Capacitance Probe, Sanitary Service, Metal Ion Free Service, Parallel Ground, Polypropylene

INSERTION LENGTH	DESCRIPTION
**.*	**. * in of insertion (72 in max)

SHIELD & EXTENSION	DESCRIPTION
AA	None
I*	* in inactive shield

PROCESS CONNECTION	DESCRIPTION
	Refer to 120 for process connections
	MPT size 3 in minimum
	Flange sizes 2 in to 4 in, Classes 150, 300, 600

OPTIONS ¹	DESCRIPTION
AA	None
PH4	Probe head housing with terminals for use with remote mounted electronics unit, 4X housing
PH7	Probe head housing with terminals for use with remote mounted electronics unit, 7X housing

Notes:
¹ A hyphen will separate multiple options selected

<p>REQUIRED ORDERING INFORMATION:</p> <ul style="list-style-type: none"> Detailed model number Tag or nameplate detail (if required) Documentation & testing packages (if required, refer to Additional Resources) 	<p>APPLICATION DETAILS:</p> <ul style="list-style-type: none"> Process fluid or material name* Process fluid or material dielectric constant Maximum process temperature Maximum process pressure <p>*Upper and lower materials required for interface service</p>
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