

Warrick® Sensor Fittings and Probes

Warrick Liquid Level Sensors are available in single- and multi-probe models and with a variety of fittings. The versatility of the Warrick design makes these sensors ideal for a diverse range of applications.

Examples include:

- Food and Beverage • Pharmaceuticals
- Caustics and Acids • Boilers and Steam Generators • Ponds
- Sumps
- Reservoirs
- Sewage and Wastewater
- **Probe Styles**
- Metal Rods
- Wire Suspended •
- Corrosion Resistant
- Sanitary



- 3/8" to 3" Threaded Mount •
- Bracket Mount •
- Flange Mount •
- External Mount •
- •
- Sanitary Mount Condulet Mount •



Sensor Selection Chart

SERIES Page Number		3E	3N	3F	3G	3C	3K	3J	3L	3M	3MT	3S	3R	3T	3B	3H	3W	3Y
		E-23	E-23	E-22	E-22	E-26	E-26	E-21	E-21	E-28	E-28	E-27	E-24	E-24	E-23	E-21	E-25	E-25
	Flange			•	•													
Body Options	Pipe Thread	•			•			•										
	Flat Mount		•		•													
	Side Chamber					•	•											
	Non-Contact Electrodes											•						
	Food Grade Connection									•	•							
	Bracket Mount											•						
	Brass	•	•	•		•		•										
	PVC		•	•	•													
Fitting	1018 Carbon Steel			•														
Body Material	Stainless Steel	•		•														
Options	Forged Steel			•														
	Nylon									•	•							
	Cast Iron	•				•	•	•				•						
Heneine Meterial	Coated Aluminum	•	•	•		•	•	•				•						
Housing Material	Polycarbonate				•													
	1 to 3		•					•										
Number of Probes	1 to 4					•	•			•	•							
	1 to 7	•		•	•							•						
Electrodes	Electrode Only								•				•	•	•	•	•	•

Designed for OEM

Compact

- One-Piece Probe/Body Construction
- Quick Install & Connect
- Order Sized to Your Spec

These Warrick fitting are designed for OEM use. They are shipped ready for quick installation. Integrated probes eliminate pre-assembly tasks, and avoid potential vibration-induced loosening when installed with power tools. Choose from singleor multi-electrode probe series. Gems supplies these series with probes pre-cut to lengths you specify.

Series	3J	3H	3L				
		R ()	Â.				
Probe Quantity	1, 2 or 3	1	1				
Mounting Size	1" NPT	3/8" NPT or 5/8" NF/NFE	1/8" NPT				
Materials Body	Case iron or red brass	316 stainless steel	316 stainless steel				
Terminal Housing	Diecast aluminum, epoxy coated (optional)						
Probe	316 stainless steel	316 stainless steel	316 stainless steel				
Insulation	Teflon®	Teflon®	Teflon®				
Probe Diameter	3/16"	1/4"	3/16"				
Pressure/Temperature	0 psig @ 500°F	250 psig @ 406°F	150 psig @ 365°F				
Approvals		U.L. File #MP2489, Vol. 1 Sec. 1; CSA; FM	U.L. File #MP2489				
Use the Bold characters from the chart below to construct a product code.	3J X X X X Series 3J Number of Probes X X X X Number of Probes 2 - Two 3 - Three X <th>3H X X X Series 3H Thread 1 - 3/8" - 18 NPT 2 - 5/8" - 18 UNF 3 - 5/8" - 24 UNEF Sleeve1 B - Teflon® 3/4" Long Length (Feet)2 1 - One 2 - Two 3 - Three</th> <th>$\begin{array}{c c} 3L & 1 & X & XX\\ \hline Series & & & \\ 3L\\ \hline Connection Size & & \\ 1-1/8^{\prime\prime} NPT & 2-2\cdot1/4^{\prime\prime} NPT\\ \hline Insulator Length & \\ D & - Teflon^{\otimes} 1\cdot1/4^{\prime\prime}\\ \hline Length in Inches^{1,2} & & \\ 02 & - Two & 06 & - Six & 10 & - Ten\\ 03 & - Three & 07 & - Seven & 11 & - Eleven\\ 03 & - Flore & 08 & - Eight & 12 & - Twelve\\ 05 & - Five & 09 & - Nine & \\ \end{array}$</th>	3H X X X Series 3H Thread 1 - 3/8" - 18 NPT 2 - 5/8" - 18 UNF 3 - 5/8" - 24 UNEF Sleeve1 B - Teflon® 3/4" Long Length (Feet)2 1 - One 2 - Two 3 - Three	$\begin{array}{c c} 3L & 1 & X & XX\\ \hline Series & & & \\ 3L\\ \hline Connection Size & & \\ 1-1/8^{\prime\prime} NPT & 2-2\cdot1/4^{\prime\prime} NPT\\ \hline Insulator Length & \\ D & - Teflon^{\otimes} 1\cdot1/4^{\prime\prime}\\ \hline Length in Inches^{1,2} & & \\ 02 & - Two & 06 & - Six & 10 & - Ten\\ 03 & - Three & 07 & - Seven & 11 & - Eleven\\ 03 & - Flore & 08 & - Eight & 12 & - Twelve\\ 05 & - Five & 09 & - Nine & \\ \end{array}$				
Notes Custom options available. Consult factory.	 Probes are stainless steel. 10-1/4" maximum 	 Longer Teflon[®] sleeves are available. Contact factory or your representative Custom probe and insulation lengths are available. Contact your representative. 	 1. 12" maximum 2. Indicate fractional inches in decimal form (01.75 = 1-3/4") 				



Top Mounting Fixtures – General Purpose

Series			;	3F	3G					
Mounting Connection		F	lange — 4.	.5" to 7.5" Dia	NPT, Flange, Bracket (Plate)					
Probe Quantity			1 tl	hru 7		1 thru 7				
Description	pressur with sta	e-tight fittin	gs can han flanges cou	service, Serio dle up to 7 p pled to the to als.	Series 3G fittings are designed for general purpose use, and are made of PVC to withstand corrosive conditions. The flanged assemblies are sized to accommodate up to 7 probes and to mate with standard flanges on the tops of vessels.					
Materials Terminal Housing		Die-0	cast alumin	um, epoxy c	oated	Polycarbonate				
Body	F	orged steel	, red brass,	316 S.S., 10	PVC					
Probe Insulation			Tet	flon®	Teflon®					
Pressure/Temperature	125 psig @ 323°F (cast iron) 225 psig @ 150°F (brass) 230 psig @ 100°F (316 S.S.) 275 psig @ 100°F (1018 C.S.) PVC – not rated					0 psig @ 150°F (PVC)				
Approvals			C	SA						
Dimensions	No. of Probes	Nominal Pipe Flange Size	Diameter of Flange	Conduit Boss Thread Size	Terminal Housing Size (W" x D" x H")					
	1	1	4-1/2"	1/2" NPT	2-1/4 x 2-1/4 x 2-1/4	•				
	2-3	2	6"	1/2" NPT	3-1/4 x 3-1/4 x 2-3/8					
	4	2-1/2	7"	1/2" NPT	3-1/4 x 3-1/4 x 2-3/8					
	5-7	3	7-1/2"	3/4" NPT	4 x 4 x 2-1/2	-				
How to Order Use the Bold characters from the chart at right to construct a product code. Electrode Probes are ordered separately.	1 thr Body M A – F B – F C – 3 D – 1		(Raised Fa Flat Face) iised Face) Raised Face)	,	3GXXXSeries3GXXX3G3G1 thru7Base Size and Style $A - 2^{"}$ Flange (6" 0.D.) ³ $E - 2^{"}$ NPT ³ $B - 3^{"}$ Flange (7-1/2" 0.D.) $H - 3^{"}$ NPT $C - 3 - 1/4^{"} \times 6^{"} \times 3/4"$ PVC PlateProbe Type1 - 316 S.S. Inserts for Use with 1/4" Rod Extensions2 - Tapered Probe Assembly ⁵ 3 - Wire-Suspended Probes ⁶					
Compatible Electrode Probes	3R, 3W ¹ , 3Y ²					3R, 3T, 3W ¹ , 3Y ²				

Requires 3Z1B Adapter and 3Z1A Wire.
 Requires 3Z1B Adapter.
 Maximum 4 probes.

Order 3R rods separately. See page E-24.
 Order 3T rods separately. See page E-24.
 Order 3W/3Y probes separately. See page E-25.

