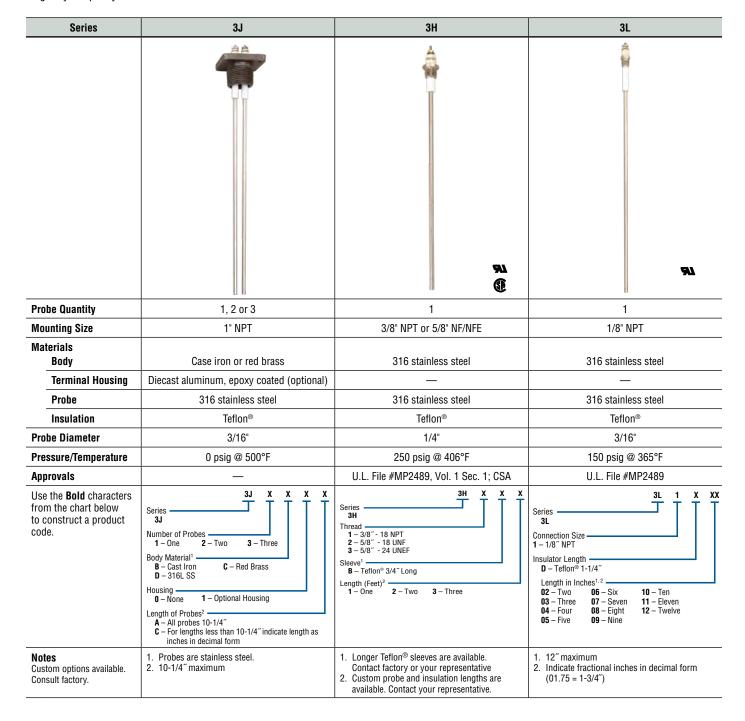
Designed for OEM

- 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 single-or multi-electrode probe series. Gems supplies these series with probes pre-cut to lengths you specify.





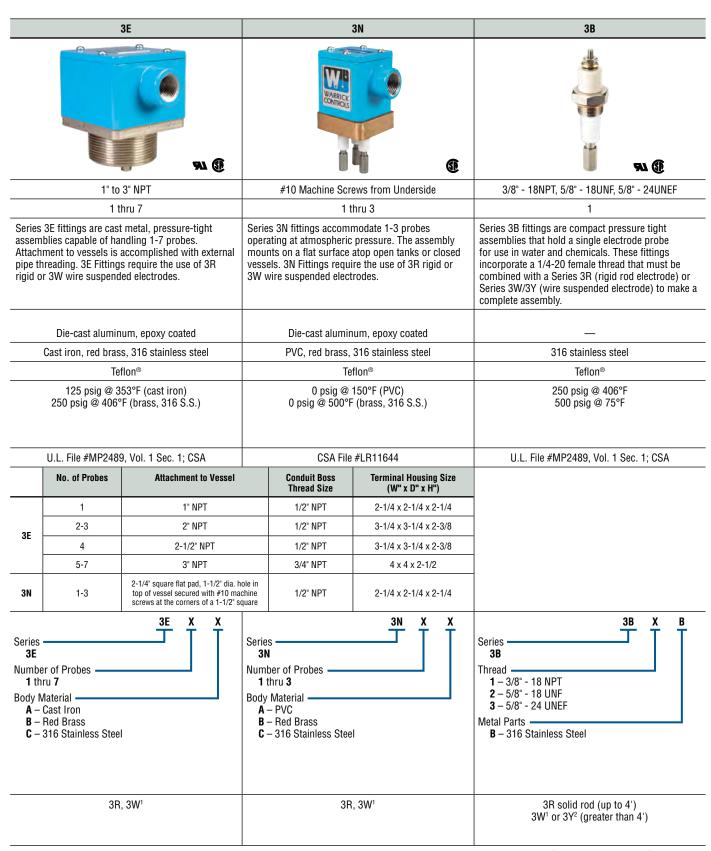
Top Mounting Fixtures – General Purpose

Series				3F		3G
Mounting Connection		F	lange — 4	.5" to 7.5" Di	a.	NPT, Flange, Bracket (Plate)
Probe Quantity			1 t	hru 7		1 thru 7
Description	Designed for general purpose service, Series 3F flanged, pressure-tight fittings can handle up to 7 probes. They mate with standard pipe flanges coupled to the top of the vessel. Available in a variety of materials.					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				um, epoxy c		Polycarbonate
Body	F	orged steel			018 C.S, PVC	PVC
Probe Insulation				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	of Probes u 7 aterial — orged Steel Red Brass (F at 6 S.S. (Ra 1018 C.S. (F VC (Flat Fac	(Raised Fa lat Face) ised Face) aised Face	,	Series 3G X X X X Series 3G Number of Probes 1 thru 7 Base Size and Style	
Compatible Electrode Probes	1		00.0	W ¹ , 3Y ²		3R, 3T, 3W1, 3Y2

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

- Order 3R rods separately. See page E-21.
 Order 3T rods separately. See page E-21.
 Order 3W/3Y probes separately. See page E-22.

Custom options available. Consult factory.



Custom options available. Consult factory.



Series 3R/3T General Purpose Probes

- ▶ Metallic Rods
- ▶ Available in Many Materials for Various Requirements
- Adaptable for Various Fittings

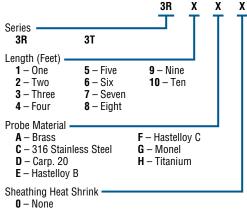
For general purpose use, Series 3R probes are metallic rods with threaded ends that screw into a fitting that extends vertically down into the liquid. Available in a variety of materials for different applications. 3T tapered rods are also available.

Specifications

Style	
Series 3R	1/4" (.64 cm) threaded rod
Series 3T	1/4" (.64 cm) tapered rod
Material	Brass, Hastelloy C, Monel, 316 stainless steel, titanium, Carp. 20
Sheathing (optional)	PVC heat shrink 200°F (93°C), Teflon® heat shrink 350°F (177°C)

How to Order

Use the **Bold** characters from the chart below to construct a product code.

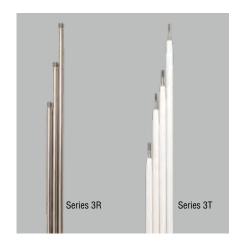


4 – PVC

5 – Teflon®

Contact your representative for custom lengths.

Note: Long lengths can be coupled to facilitate shipping and installation. Consult factory.

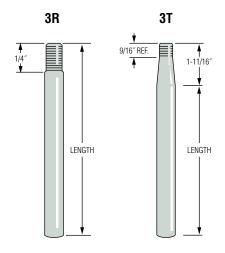


Applications

3R: For use with Series 3E, 3F, 3G, 3B fittings

3T: For use with Series 3G and other custom configurations

Dimensions



Series 3W – Wire Suspended Probes

- Metallic Bars
- Plastic Shield Protected
- Adaptable to Many Fittings
- Field Assembled

Series 3W probes, consisting of metallic bars within a protective plastic shield, are designed to be suspended in liquid with PVC-insulated wires. They are ideal for applications where rigid electrode rods are impractical or cumbersome, such as:

- Deep Wells
- Pump Control
- · Waste Water
- · Deep Tanks

7/8" (2.22 cm) diameter x 3-3/4" (9.52 cm) length. 3Z1A wire and 3Z1B adaptor kit required for use with 3E, 3F and 3N fittings.

How to Order

Select a 3W electrode, a 3Z1B adaptor and a length of 3Z1A suspension wire to form a complete suspended probe.

1. 3W Electrodes

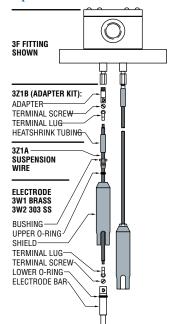
Probe Material	Part Number	
Brass	3W1	
316 Stainless Steel	3W2	

2. 3Z1B Adaptor Kit

For use with 3E, 3F and 3N fittings. Part Number: 3Z1B



Components Detail



3. 3Z1A Suspension Wire

Order in standard or custom length.

Length (Feet)	Part Number
500	3Z1A-500
1000	3Z1A-1000
5000	3Z1A-5000
Custom	3Z1A-XX Specify in one foot increments up to 5000 ft.

Series 3Y – Corrosion Resistant Probes

- Metallic Bars
- Corrosion Resistant
- Available in Many Materials for Various Requirements
- Adaptable for Various Fittings

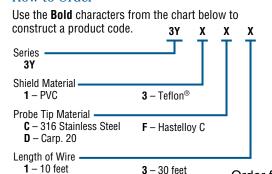
Series 3Y wire suspended probes consist of metallic bars within a protective plastic shield, designed to be suspended in liquid. Series 3Y suspension wires are PVC or Teflon® insulated for use in corrosive liquid applications. 7/8" (2.22 cm) diameter x 3-1/2" (8.90 cm) length.

Specifications

Style	Wire suspended		
Tip Material	Carp. 20, Hastelloy C, 316 stainless steel		
Shield Material	PVC 150°F (66°C), Teflon®		

How to Order

Seres 340 500 1063 / 3-APR-14



etc.

Note: 3Z1B Connector is used to connect suspension wire with 3B. 3E. 3F. 3G or 3N fitting.



Applications

- · General Purpose
- · Wire Suspended Probes
- · Corrosive Liquids, Chemicals



Series 3C – Short External Mount Side Chamber Series 3K – Long External Mount Side Chamber

- Side Mounting
- Gauge Tappings
- ▶ Pressure Tight
- CSA Approved
- Tricock Tappings
- ▶ 1-4 Probes
- ▶ Cast Iron and Brass
- U.L. Recognized

Series 3C side chamber fittings are cast iron or brass, pressure-tight chambers containing up to 4 probes from 1-1/2" to 6" in length. Pipe tappings provide connection to the side of boilers and pressure vessels to equalize the level in the chamber with the level in the vessel.

Series 3K fittings contain up to 4 probes and accommodate probes from 1-3/4" to 13" in length. Additional tappings are available for tricocks and gauges.

14-5/8" REF.



Series 3K

Specifications

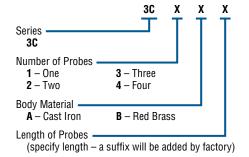
Probes	1 thru 4, with 316 Stainless Steel/Teflon® wetted parts		
Body Material			
Series 3C	Cast iron, red brass		
Series 3K	Cast iron		
Pressure/Temperature	250 psig (17.2 bar) @ 406°F (200°C) (saturated steam)		
Probe Length			
Series 3C	1-1/2" to 6" (3.81 cm to 15.24 cm)		
Series 3K	1-3/4" to 13" (4.45 cm to 33.02 cm)		
Approvals	U.L. File # MP2489, Vol. 1, Sec. 2; CSA		

Applications

- Boilers
- Hydropneumatic Tanks
- · Steam Generators
- · Pressure Vessels
- Pump Operation
- · Low Water / High Water Alarm

How to Order Series 3C

Use the **Bold** characters from the chart below to construct a product code.

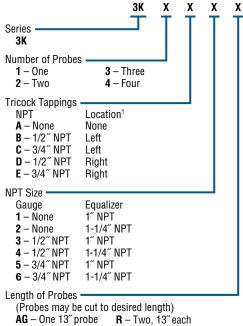


Notes

- Contact your representative for more details on this fitting.
- 2. The 3C attaches to a vessel by two 1" NPT tappings, one 1" NPT blowdown port and one 3/4" NPT side port.

How to Order Series 3K

Use the **Bold** characters from the chart below to construct a product code.



M - Four, 13" each Z - Three, 13" each

Note:

1. Viewer facing gauge glass