

# Engineering Specification

Job Name \_\_\_\_\_  
 Orion Representative \_\_\_\_\_  
 Quantity Required \_\_\_\_\_

Contractor Signature \_\_\_\_\_  
 Approval Date \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_

**Please e-mail your signed and completed submittal and purchase order to [orientanks@wattswater.com](mailto:orientanks@wattswater.com).**

**The NeutraGuard III sampling tank, piping and connections are priced and sold separately. Sampling tanks must be ordered on the T16 submittal sheet. Illustration at lower right of page represents typical installation of panel, probe, and T16 sampling tank.**

## NeutraGuard III

### Specification

**Monitor Panel:** Orion NeutraGuard III pH Monitor Panel: UL-listed single or dual sensor station (specify) pH Monitoring System with UL-listed NEMA 4 enclosure 16" H x 12" W x 7" D, pH analyzer with user-set high and low alarm points and analyzer/sensor fault, prewired with cord and plug for standard 120VAC 15AMP outlet, with NEMA 5-15R local alarm (with visual/audible indication), with 4-20mA output for remote indication with two 120VAC 5Amp dry contacts for remote alarm notification and easy connection to building maintenance system (BMS).

**Digital pH Chart Recorder:** Orion NeutraGuard III paperless Chart Recorder: UL listed NEMA 4 paperless chart recorder with user-set high and low alarm points, with digital recording of one minute intervals plus immediate recording of high and low alarms with clearing time. The pH recorder module features Modbus TCP (client and server), SD card for data storage and retrieval, plus an O & M manual on CD. The pH recorder module comes installed and fully connected in the NeutraGuard III enclosure.

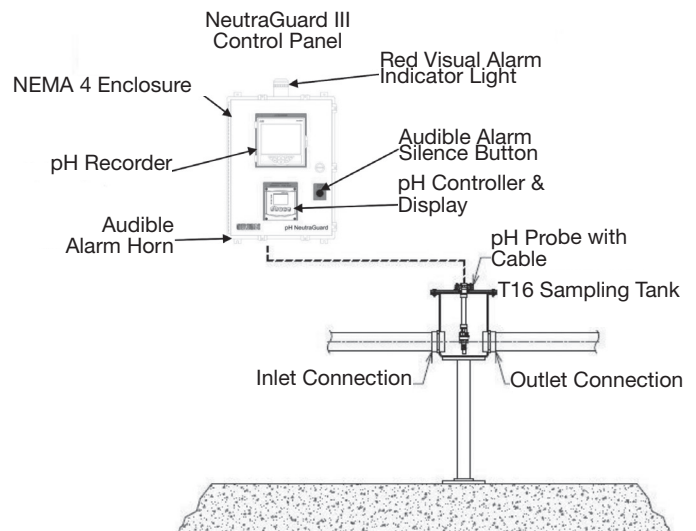
**pH Probe & Cable:** Industrial pH probe and cable including 1.5" airtight insertion fixture, pH analyzer factory calibrated with buffer solutions (pH 4.0 and pH 10.0) with copy of electrical drawings and O & M manual.

**Probe cable should NEVER be cut/spliced in the field. Doing so will void the warranty.**

For System model selections please consult chart on next page.



12" L x 16" H x 7" D



### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

**Please verify all selections with your local Orion rep - tank products and accessory equipment are non-returnable.**

Orion Fittings product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Orion Fittings Technical Service. Orion Fittings reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Orion Fittings products previously or subsequently sold.

## NGIII System Selection Chart

Select	Part Number	Description	# of Channels, Cables &		Chart Recorder (Y/N)
			Probes	Cable Length (M)	
<input type="checkbox"/>	950226	NGIII-1CH-10M CABLE/PRBE	1	10	N
<input type="checkbox"/>	950227	NGIII-2CH-10M CABLE/PRBE	2	10	N
<input type="checkbox"/>	950228	NGIII-1CH-CHTREC-10M C/P	1	10	Y
<input type="checkbox"/>	950229	NGIII-2CH-CHTREC-10M C/P	2	10	Y
<input type="checkbox"/>	950230	NGIII-1CH-20M CABLE/PRBE	1	20	N
<input type="checkbox"/>	950231	NGIII-2CH-20M CABLE/PRBE	2	20	N
<input type="checkbox"/>	950232	NGIII-1CH-CHTREC-20M C/P	1	20	Y
<input type="checkbox"/>	950233	NGIII-2CH-CHTREC-20M C/P	2	20	Y
<input type="checkbox"/>	950234	NGIII-1CH-30M CABLE/PRBE	1	30	N
<input type="checkbox"/>	950235	NGIII-2CH-30M CABLE/PRBE	2	30	N
<input type="checkbox"/>	950236	NGIII-1CH-CHTREC-30M C/P	1	30	Y
<input type="checkbox"/>	950237	NGIII-2CH-CHTREC-30M C/P	2	30	Y
<input type="checkbox"/>	950238	NGIII-1CH-50M CABLE/PRBE	1	50	N
<input type="checkbox"/>	950239	NGIII-2CH-50M CABLE/PRBE	2	50	N
<input type="checkbox"/>	950240	NGIII-1CH-CHTREC-50M C/P	1	50	Y
<input type="checkbox"/>	950241	NGIII-2CH-CHTREC-50M C/P	2	50	Y
<input type="checkbox"/>	950242	NGIII-1CH-80M CABLE/PRBE	1	80	N
<input type="checkbox"/>	950243	NGIII-2CH-80M CABLE/PRBE	2	80	N
<input type="checkbox"/>	950244	NGIII-1CH-CHTREC-80M C/P	1	80	Y
<input type="checkbox"/>	950245	NGIII-2CH-CHTREC-80M C/P	2	80	Y



USA: T: (800) 334-6259 • OrionFittings.com  
 Canada: T: (888) 208-8927 • F: (888) 479-2887 • OrionFittings.ca  
 Latin America: T: (52) 55-4122-0138 • OrionFittings.com

**A WATTS Brand**