

Type 3719 pH/ORP Wet-Tap Assembly



3719 Assembly

2756, 2757 Wet-Tap
Electrodes
(Sold Separately)

Product description

The type 3719 pH/ORP Wet-Tap allows installation and removal of pH or ORP electrodes under process pressure, without the need for process shutdown during routine electrode maintenance and calibration.

Process isolation is achieved during electrode retraction with two sets of double O-ring seals on a unique and compact retraction assembly. No separate valve is therefore required. The Wet-Tap body design allows full access to the plunger and internal O-rings, to easily perform maintenance such as lubrication/replacement of O-rings and the cleaning of the internal plunger/housing.

A patented cam-activated automatic locking mechanism, SafeLoc™, and the short stroke design help to assure operator safety. The wet-tap unit can be mounted at any angle and can be used with the GF DryLoc® Wet-Tap electrodes.

Features

- Electrode removal without process shutdown
- Space saving 45 mm (1.75 in.) short-stroke design
- SafeLoc™: Cam-activated automatic locking mechanism
- Protects electrode sensing surface from breakage
- Suitable for mounting in any orientation
- Process threaded connection NPT or ISO
- Fully serviceable internal O-rings

Applications

- Aquatic Animal Life Support Systems
- Recreational Water Monitoring
- Water & Wastewater Treatment
- Sanitization Systems
- Pool and Spa Control

NOTE: This product is assembled using Synthetic grease with PTFE.

Specifications

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General

Compatible DryLoc® Electrodes	2756-WTP, 2756-WTP-1	Plastic
	2757-WTP	Plastic
Process Connection	3719-11	NPT 1½ in.
	3719-21	NPT 2 in.
	3719-12	ISO 7/1 - R 1.5
	3719-22	ISO 7/1 - R 2
Maximum Flow Velocity	3 m/s	10 ft/s

Materials

Retraction Housing (Wetted)	CPVC
O-rings (Wetted)	FKM (O-Rings are lubricated with Super Lube® multi-purpose grease with PTFE)
Locking Shroud	PVC
Hardware	316 stainless steel

Max. Temperature/Pressure Rating

Operating Pressure	100 psi (6.9 bar) maximum @ 25 °C
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Shipping Weight

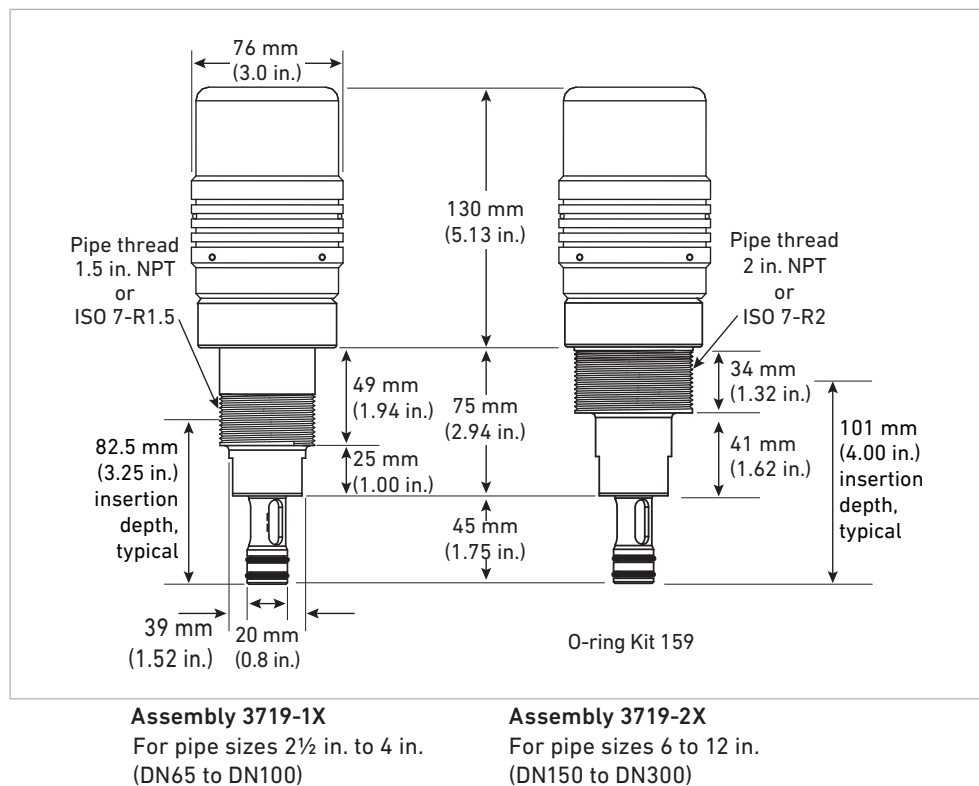
	1.2 kg	2.7 lb
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Standards/Approvals

	Manufactured under ISO 9001, ISO 14001 and ISO 45001	
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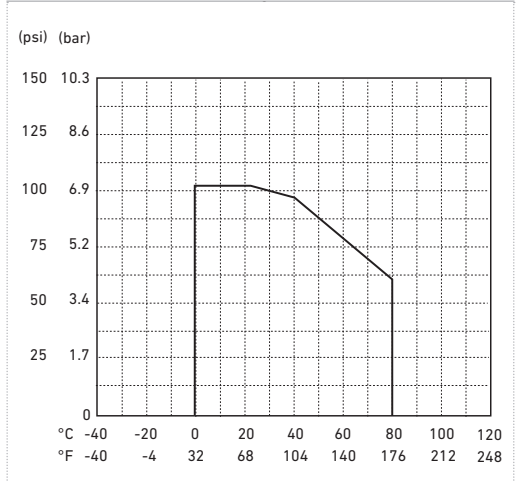
See pressure-temperature diagrams for more information.

Dimensions

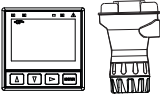
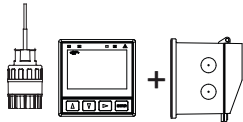
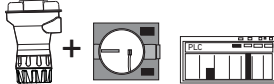



Pressure-temperature diagram

i The pressure-temperature diagram are specifically for the GF sensor. During system design the specifications of all components must be considered. In the case of a metal piping system, a plastic sensor will reduce the system specification.



System Overview

Panel Mount	Pipe, Tank, Wall	4 to 20 mA Output	Automation System
<p>GF Instruments with 2751 Smart Sensor Electronics - 9900 - 9950</p> 	<p>GF Instruments with 2751 Smart Sensor Electronics - 9900 and Rear Enclosure</p> 	<p>2751 Smart Sensor Electronics with - Customer Supplied Chart Recorder - Programmable Logic Controller, or - Programmable Automation Controller</p> 	<p>2751 Smart Sensor Electronics with - 0486 Profibus Concentrator and - Customer Supplied Programmable Logic - Controller or - Programmable Automation Controller</p> 

Type 3719 Wet-Tap Assembly
with Wet-Tap Electrode 3-2756-WTP
or 3-2757-WTP



Customer supplied tees and fittings

All sold separately

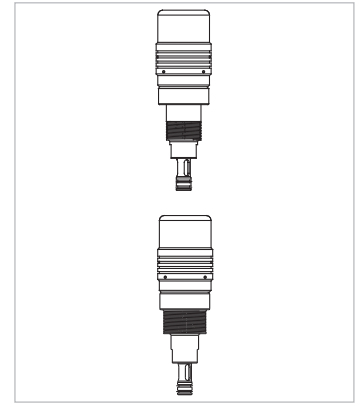
Ordering Information

Wet-Tap Assembly

Mfr. Part No.	Code	Process Thread Connection	For Pipe Size
3-3719-11	159 000 804	1½ inch NPT	2½ to 4 in. (DN65-DN100)
3-3719-12	159 000 806	ISO 7/1-R 1.5	2½ to 4 in. (DN65-DN100)
3-3719-21	159 000 805	2 inch NPT	6 to 12 in. pipes (DN150-DN300)
3-3719-22	159 000 807	ISO 7/1-R 2	6 to 12 in. pipes (DN150-DN300)

Ordering Information

- 1) Use a mounting saddle or a standard threaded part to mount Wet-Tap assembly.
- 2) ASTM fittings are available to order; metric fittings are customer supplied.
- 3) Use -11 or -12 versions for pipe sizes 2½ in. to 4 in. (DN65-DN100)
- 4) Use -21 or -22 versions for pipe sizes 6 in. to 12 in. (DN150-DN300)



Accessories and Replacement Parts

Mfr. Part No.	Code	Description
3-3719.390	159 000 855	3719 locking shroud (spare part)
3-3719.392	159 310 304	O-ring service kit
3-3719.398	159 001 886	O-ring Lubricant Kit (5 packs of Super Lube®, 1cc each)

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Tel. +41 52 631 11 11 • www.gfps.com • E-Mail: info.ps@georgfischer.com