

# Signet 3519 Flow Wet-Tap Valve

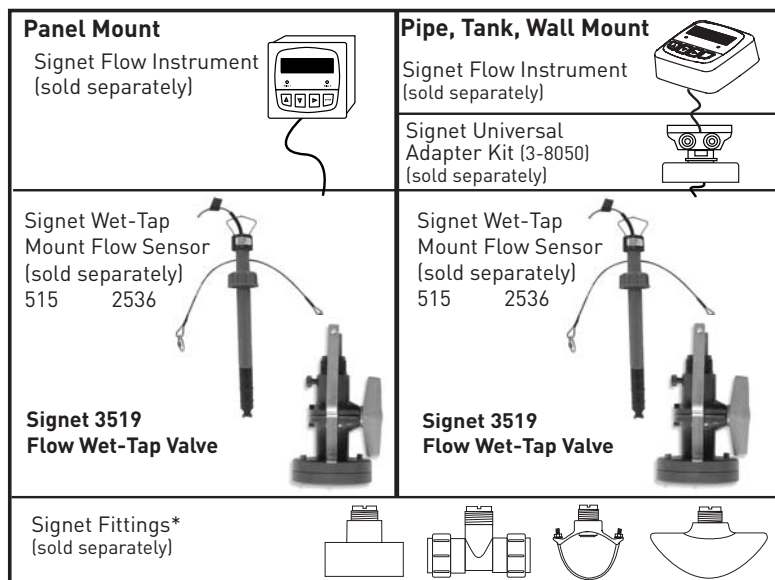


## Description

The Signet 3519 Flow Wet-Tap Valve serves as a unique interface between the installation fitting and the wet-tap style Signet 515 or 2536 Rotor-X flow sensor. It provides a fast method of removing the sensor from the pipe under specified operating pressures. The PVC & stainless steel design of the Wet-Tap makes it resistant to corrosion and chemical attack by acids, alkalis, salt, and a number of other harsh chemicals.

The Signet 3519 Wet-Tap Valve mounts directly onto standard Signet installation fittings. The 3519 Wet-Tap consists of a flange and support plate that threads onto the pipe fitting insert, and a PVC ball valve through which an extended length sensor is inserted into the pipe.

## System Overview



\*See Fittings section for more information.

## Features

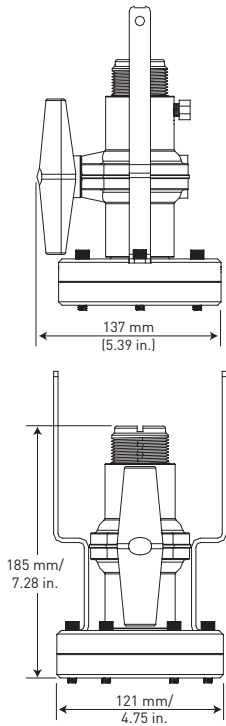
- Allows sensor removal without process shutdown
- Pressure release valve for safe sensor removal
- Dual safety lanyards
- Rugged corrosion-resistant PVC construction and stainless steel hardware
- Compatible with Signet 515 or 2536 Rotor-X Wet-Tap Flow Sensors
- Eliminates Process Downtime

## Applications

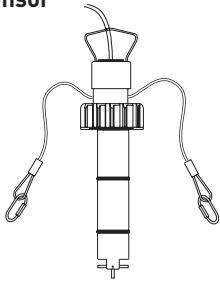
- Filtration Systems
- Chemical Production
- Pump Protection
- Scrubbers
- Water Distribution
- Effluent Totalization
- Process Cooling Loops



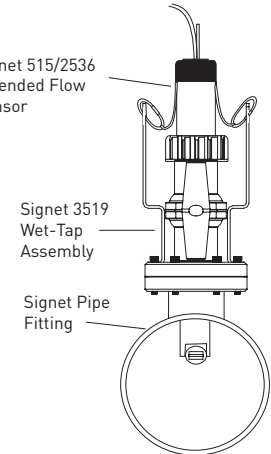
## Dimensions



Model 515 or 2536 Wet-Tap Sensor



Signet 515/2536 Extended Flow Sensor



Signet 3519 Wet-Tap Assembly

Signet Pipe Fitting

## Specifications

### General

Body: PVC  
 Ball Seat: PTFE  
 Seals: Viton® (STD) or EPDM also available, contact factory  
 Hardware: 303SS (brackets), 18/8SS (nuts & bolts)

### Standards & Approvals

- Manufactured under ISO 9001:2000 for Quality and ISO 14001:2004 for Environmental Management

See page Temperature and Pressure graphs for more information.

**Shipping weight:** 1.3kg (2.86 lbs.)

### Max. Pressure/Temperature Ratings

- 7 bar max. @ 20°C (100 psi max. @ 68°F)
  - 1.4 bar max. @ 66°C (20 psi max. @ 150°F)
- Wet-tap maximum installation/removal rating:  
 1.7 bar @ 22°C (25 psi @ 72°F)

### Application Tips:

- Once installed, sensor insertion and removal can be performed without process shutdown; see installation/removal pressure specifications page.
- Use the Conduit Adaptor Kit when used in outdoor environments. See Accessories section.
- Do not use this assembly in liquids containing particles. Use Signet magmeter only.
- Use sensors with sleeved rotors in abrasive liquids to reduce wear.
- For systems with components of more than one material, maximum temperature and pressure specifications must always be referenced to the component with the lowest rating.

## Ordering Information

Part Number	
<b>3-3519</b>	Wet-Tap Valve for 515 and 2536 Wet-Tap flow sensors
	Flow range
N/C	Valve only
<b>515-P3*</b>	Valve with Model 515 sensor for 0.5 to 4 inch pipes
<b>515-P4*</b>	Valve with Model 515 sensor for 5 to 8 inch pipes
<b>515-P5*</b>	Valve with Model 515 sensor for 10 to 36 inch pipes
<b>2536-P3**</b>	Valve with Model 2536 sensor for 0.5 to 4 inch pipes
<b>2536-P4**</b>	Valve with Model 2536 sensor for 5 to 8 inch pipes
<b>2536-P5**</b>	Valve with Model 2536 sensor for 10 to 36 inch pipes
<b>3-3519</b>	<b>Example Part Number - Valve only</b>
<b>3-3519 /515-P3</b>	<b>Example Part Number - Valve with sensor</b>

### Model 3519

#### Ordering Notes:

- 1) N/C = no code needed.
- 2) \*See model 515 Data Sheet for sensor specifications.
- 3) \*\*See model 2536 Data Sheet for sensor specifications.
- 4) Models 515 and 2536 Wet-Tap sensors can be ordered separately.

Components	Mfr. Part No./Code	Components	Mfr. Part No./Code
3-3519	<b>159 000 757</b>	3519/2536-P3	<b>159 000 822</b>
3519/515-P3	<b>159 000 819</b>	3519/2536-P4	<b>159 000 823</b>
3519/515-P4	<b>159 000 820</b>	3519/2536-P5	<b>159 000 824</b>
3519/515-P5	<b>159 000 821</b>		

Please refer to Wiring, Installation, Fittings and Accessories sections for more information.