

# Signet 3519 Flow Wet-Tap Valve



Assembly shown with extended length flow sensor installed.

## 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

## Description






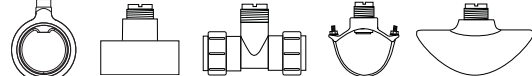
The Signet 3519 Flow Wet-Tap Valve serves as a unique interface between the installation fitting and the wet-tap style Signet 515 or 2536 Rotor-X flow sensor. It provides a fast method of removing the sensor from the pipe under specified operating pressures. The PVC and stainless steel design of the 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.

## Applications

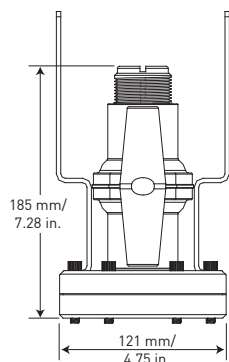
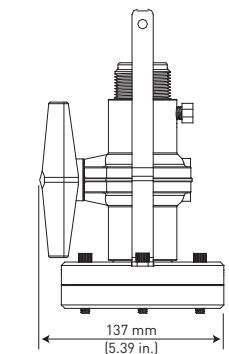
- Filtration Systems
- Chemical Production
- Pump Protection
- Scrubbers
- Water Distribution
- Effluent Totalization
- Process Cooling Loops

## System Overview

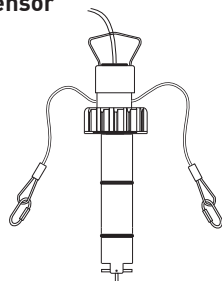
<p><b>Panel Mount</b></p> <p>Signet Flow Instrument (sold separately)</p> 	<p><b>Pipe, Tank, Wall Mount</b></p> <p>Signet Flow Instrument (sold separately)</p>  <p>Signet Universal Adapter Kit (3-8050) (sold separately)</p> 
<p>Signet Wet-Tap Mount Flow Sensor (sold separately)</p> <p>515      2536</p>   <p><b>Signet 3519 Flow Wet-Tap Valve</b></p>	
<p>Signet Fittings* (sold separately)</p> 	

\*See Fittings section for more information.

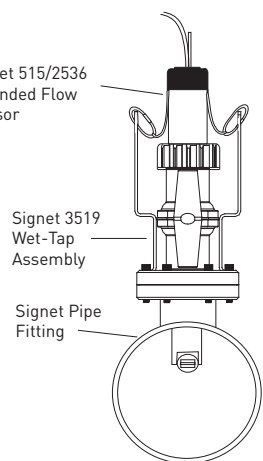
## Dimensions



Model 515 or 2536 Wet-Tap Sensor



Signet 515/2536 Extended Flow Sensor



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

## Specifications

### General

Body: PVC  
 Ball Seat: PTFE  
 Seals: FPM (std) or EPR (EPDM) also available, contact factory  
 Hardware: 302/304SS (brackets), 18/8SS (nuts & bolts)

Shipping Weight 1.3 kg 2.86 lb

### Standards & Approvals

- Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management

See Temperature and Pressure graphs for more information.

### Max. Pressure/Temperature Rating

- 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 Adapter Kit when used in outdoor environments. See Accessories section.
- For liquids containing ferrous particles, use Signet Magmeters.
- 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 ½ 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 ½ 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>	Example Part Number - Valve Only
<b>3-3519 /515-P3</b>	Example Part Number - Valve with Sensor

### 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
3-3519	<b>159 000 757</b>
3519/515-P3	<b>159 000 819</b>
3519/515-P4	<b>159 000 820</b>
3519/515-P5	<b>159 000 821</b>

Components	Mfr. Part No./Code
3519/2536-P3	<b>159 000 822</b>
3519/2536-P4	<b>159 000 823</b>
3519/2536-P5	<b>159 000 824</b>