

Signet 3519 Flow Wet-Tap Valve



Assembly shown with extended length flow sensor installed.

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.

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

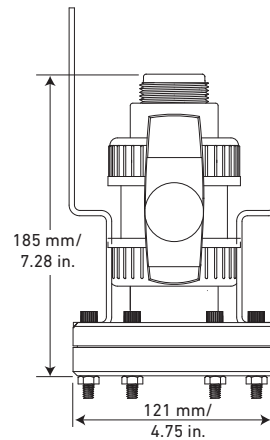
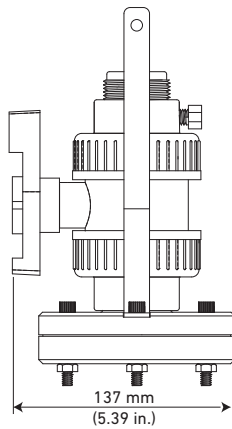
- Filtration Systems
- Chemical Production
- Pump Protection
- Scrubbers
- Water Distribution
- Effluent Totalization
- Process Cooling Loops

Specifications

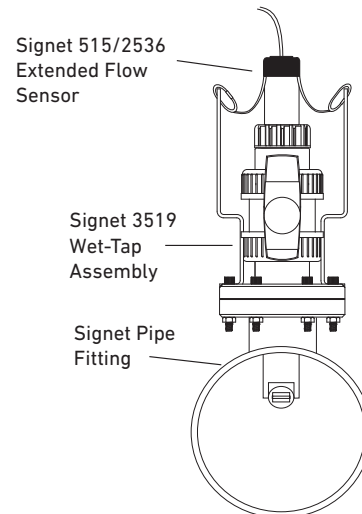
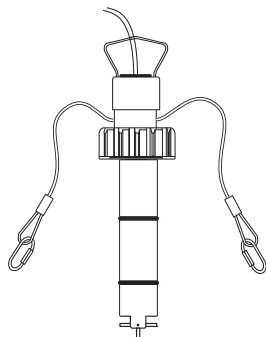
| General | | |
|---|---|----------------------|
| Body | PVC | |
| Ball Seats | PTFE | |
| O-rings | FKM (std) or EPDM (EPDM) also available, contact factory | |
| Hardware | 303 SS (brackets), 18/8 SS (nuts & bolts) | |
| Max. Temperature/Pressure Rating | | |
| | 7 bar max. @ 20 °C | 100 psi max. @ 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 |
| Shipping Weight | | |
| | 1.3 kg | 2.86 lb |
| Standards and Approvals | | |
| | CE, FCC | |
| | Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health and Safety | |

See Temperature and Pressure graphs for more information.


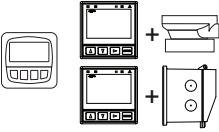
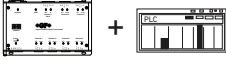
Dimensions



Model 515 or 2536 Wet-Tap Sensor

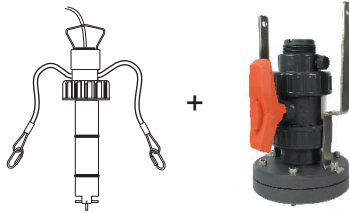


System Overview

| Panel Mount | Pipe, Tank, Wall Mount | Automation System |
|---|--|---|
| Signet Instruments - 8150 - 8900 - 9900-1P - 9900-1BC - 9950 | Signet Instruments - 8150 - 9900-1 with 3-8050 Universal Mount Kit - 9900-1BC with Rear Enclosure - 9950 | - 0486 Profibus Concentrator and Customer Supplied Programmable Logic Controller or - Programmable Automation Controll |
|  |  |  |

Signet Wet-Tap Flow Sensor
 - 515
 - 2536

Signet 3519 Wet-Tap Valve



Signet Fittings



All sold separately

See Fittings section for more information.

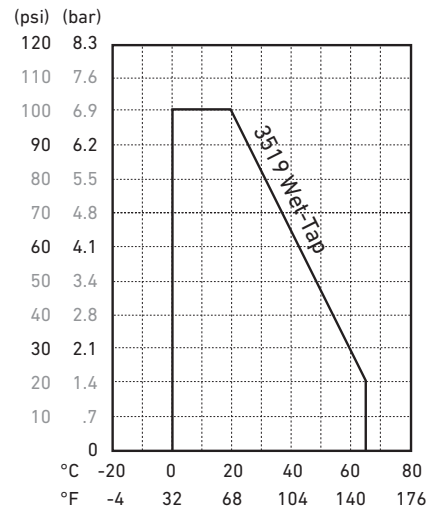
Application Tips

- Once installed, sensor insertion and removal can be performed without process shutdown; see installation/removal pressure specifications page.
- Use the Conduit Adapter Kit 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.

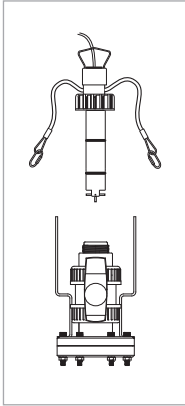
Temperature/Pressure Graphs

Note:

The pressure/temperature graphs are specifically for the Signet 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. When using a PVDF sensor in a PVC piping system, the fitting will reduce the system specification.



Ordering Information



| Mfr. Part No. | Code | Flow Range |
|---|--------------------|--|
| 3-3519 | 159 000 757 | Wet-Tap Valve only for 515 and 2536 Wet-Tap flow sensors |
| for ½ to 4 inch pipes (15-100 mm) | | |
| P51530-P3* | 198 840 310 | Polypro extended length paddlewheel sensor |
| 3-2536-P3** | 159 000 758 | Polypro extended length low flow paddlewheel sensor |
| for 5 to 8 inch pipes (125-200 mm) | | |
| P51530-P4* | 198 840 311 | Polypro extended length paddlewheel sensor |
| 3-2536-P4** | 159 000 759 | Polypro extended length low flow paddlewheel sensor |
| for 10 to 36 inch pipes (250 mm and up) | | |
| P51530-P5* | 198 840 312 | Polypro extended length paddlewheel sensor |
| 3-2536-P5** | 159 000 760 | Polypro extended length low flow paddlewheel sensor |

Ordering Notes

- 1) *See model 515 data sheet for sensor specifications.
- 2) **See model 2536 data sheet for sensor specifications.
- 3) Models 515 and 2536 Wet-Tap sensors are ordered separately.