# Signet 2536 Rotor-X Paddlewheel Flow Sensors



Simple to install with time-honored reliable performance, Signet 2536 Rotor-X Paddlewheel Flow Sensors are highly repeatable, rugged sensors that offer exceptional value with little or no maintenance. The Model 2536 has a process-ready open collector signal with a wide dynamic flow range of 0.1 to 6 m/s (0.3 to 20 ft/s). The sensor measures liquid flow rates in full pipes and can be used in low pressure systems.

The Signet 2536 sensors are offered in a variety of materials for a wide range of pipe sizes and insertion configurations. The many material choices including PP and PVDF make this model highly versatile and chemically compatible to many liquid process solutions. Sensors can be installed in DN15 to DN900 (½ to 36 in.) pipes using Signet's comprehensive line of custom fittings. These custom fittings, which include tees, saddles, and weldolets, seat the sensor to the proper insertion depth into the process flow. The sensors are also offered in configurations for wet-tap installation requirements.

### **Features**

- Operating range 0.1 to 6 m/s (0.3 to 20 ft/s)
- Wide turndown ratio of 66:1
- Open-collector output
- Highly repeatable output
- Simple, economical design
- Installs into pipe sizes DN15 to DN900 (1/2 to 36 in.)
- High resolution and noise immunity
- Test certificate included for -X0, -X1
- Chemically resistant materials



(3-2536-PX version only)

### **Applications**

- Pure Water Production
- Filtration Systems
- Chemical Production
- Liquid Delivery Systems
- Pump Protection
- Scrubber/Gas Stacks
- Gravity Feed Lines
- Not suitable for gases

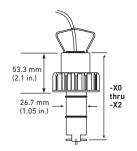
# **Specifications**

Repeatability Ain. Reynolds Num Vetted Materials Gensor Body P-rings Rotor Pin Rotor Rotor Rotor Cettrical Gupply Voltage Gupply Current Dutput Type Cable Length Aax. Temperature PP PVDF Aax. Temperature PP PVDF Aax. Temperature PP Deperating Tempera Aax. Wet-Tap Sense	/Pressure Ratin	Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p	@ 25 °C (77 () or PVDF (n. (R (EPDM) or C or PVDF; op al PVDF; option al gulated DC ng 10 mA ma pair with shift xtended up to	F) F) atural) FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Linearity Linearity Repeatability Min. Reynolds Num Wetted Materials Sensor Body D-rings Rotor Pin Rotor Electrical Frequency Supply Voltage Supply Voltage Supply Voltage Cable Length Max. Temperature PP PVDF Dperating Temperat Max. Temperature PP Dperating Temperat Max. Wet-Tap Sense	/Pressure Ratin	±1% of max. range @ ±0.5% of max. range @ 4500 Glass-filled PP (black FPM (std) optional EP Titanium, Hastelloy-O Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkir 2-conductor twisted p 7.6 m (25 ft) can be e <b>1</b> 2.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C	25 °C (77 °F @ 25 °C (77 @ 25 °C (77 R (EPDM) or C or PVDF; option al PVDF; option al PVDF; option al Qulated DC ng 10 mA ma pair with shift xtended up to	°F) atural) FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <pre></pre>	
Repeatability Min. Reynolds Num Wetted Materials Sensor Body O-rings Rotor Pin Rotor Electrical Frequency Supply Voltage Supply Current Output Type Cable Length Max. Temperature PP PVDF Operating Tempera Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	/Pressure Ratin	±0.5% of max. range 4500 Glass-filled PP (black FPM (std) optional EP Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be end 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	@ 25 °C (77 () or PVDF (n. (R (EPDM) or C or PVDF; op al PVDF; option al gulated DC ng 10 mA ma pair with shift xtended up to	°F) atural) FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <pre></pre>	
Min. Reynolds Num Wetted Materials Sensor Body O-rings Rotor Pin Rotor Electrical Frequency Supply Voltage Supply Voltage Supply Current Output Type Cable Length Max. Temperature. PP PVDF Operating Tempera Max. Temperature. PP Operating Tempera Max. Wet-Tap Sense	/Pressure Ratin	4500 Glass-filled PP (black FPM (std) optional EP Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>12</b> .5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	al gulated DC pair with shie xtended up to	atural) FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185 °F 200 psi @ 68 °F	
Wetted Materials Sensor Body O-rings Rotor Pin Rotor Electrical Frequency Supply Voltage Supply Voltage Supply Current Output Type Cable Length Max. Temperature PP PVDF Operating Tempera Max. Temperature PP PVDF Max. Temperature PP	/Pressure Ratin	Glass-filled PP (black FPM (std) optional EP Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkir 2-conductor twisted p 7.6 m (25 ft) can be en <b>12</b> .5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	R (EPDM) or C or PVDF; optional PVDF; optional gulated DC ng 10 mA ma pair with shiet xtended up to	FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Sensor Body O-rings Rotor Pin Rotor Rotor Electrical Frequency Supply Voltage Supply Current Output Type Cable Length Max. Temperature PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		FPM (std) optional EP Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>12</b> .5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C	R (EPDM) or C or PVDF; optional PVDF; optional gulated DC ng 10 mA ma pair with shiet xtended up to	FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
O-rings Rotor Pin Rotor Pin Rotor  Electrical Frequency Supply Voltage Supply Voltage Supply Current Output Type Cable Length Max. Temperature PP PVDF Operating Tempera PP Operating Temperature Anax. Wet-Tap Sense		FPM (std) optional EP Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>12</b> .5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C	R (EPDM) or C or PVDF; optional PVDF; optional gulated DC ng 10 mA ma pair with shiet xtended up to	FFPM tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Rotor Pin Rotor Rotor Rotor Rotor Rotor Rectrical Frequency Supply Voltage Supply Voltage Cable Type Cable Length Max. Temperature PP PVDF Operating Tempera PP Operating Temperature Anax. Wet-Tap Sense		Titanium, Hastelloy-C Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>12</b> .5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	C or PVDF; op al PVDF; optio gulated DC ng 10 mA ma pair with shie xtended up to	tional Ceramic, Tantalum or Stainless Steel onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185 °F 200 psi @ 68 °F	
Rotor  Electrical  Frequency  Supply Voltage  Supply Current  Output Type  Cable Length  Max. Temperature  PP  PVDF  Max. Temperature  PP  Operating Temperat  Max. Wet-Tap Sense		Black PVDF or Natura sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>12.5 bar @ 20 °C</b> 1.7 bar @ 85 °C 1.7 bar @ 85 °C	al PVDF; optio al gulated DC ng 10 mA ma pair with shie xtended up to	onal ETFE, with or w/o carbon fiber reinforced PTFE 15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185 °F 200 psi @ 68 °F	
Output Type Cable Type Cable Length Max. Temperature PP PVDF Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		sleeve for rotor pin 49 Hz per m/s nomin 5 to 24 VDC ±10%, reg <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be end <b>12.5 bar @ 20 °C</b> 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	al gulated DC ng 10 mA ma pair with shie xtended up te	15 Hz per ft/s nominal <20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Frequency Supply Voltage Supply Voltage Cable Type Cable Length Max. Temperature PP PVDF Operating Temperat PP Operating Temperat Max. Temperature PP Operating Temperat Max. Wet-Tap Sense		5 to 24 VDC ±10%, res <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>19 - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	gulated DC ng 10 mA ma pair with shie xtended up te	<20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Supply Voltage Supply Current Output Type Cable Type Cable Length Max. Temperature. PP PVDF Operating Temperat PP Operating Temperature. PP Operating Temperature. PP Operating Temperature.		5 to 24 VDC ±10%, res <1.5 mA @ 3.3 to 6 VI Open collector, sinkin 2-conductor twisted p 7.6 m (25 ft) can be en <b>19 - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	gulated DC ng 10 mA ma pair with shie xtended up te	<20 mA @ 6 to 24 VDC x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Supply Current Output Type Cable Type Cable Length Max. Temperature PP PVDF Operating Temperat PP Operating Temperature Anax. Wet-Tap Sense		<1.5 mA @ 3.3 to 6 VI Open collector, sinkir 2-conductor twisted p 7.6 m (25 ft) can be e <b>ng - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	DC ng 10 mA ma pair with shie xtended up te	x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Max. Temperature PP PVDF Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		Open collector, sinkir 2-conductor twisted p 7.6 m (25 ft) can be en <b>ng - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	ng 10 mA ma pair with shie xtended up te	x. eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Output Type Cable Type Cable Length Max. Temperature PP PVDF Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		2-conductor twisted p 7.6 m (25 ft) can be en <b>19 - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	pair with shie xtended up te	eld, 22 AWG o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Cable Length Max. Temperature PP PVDF Operating Temperat PP PVDF Max. Temperature PP Operating Temperat Max. Wet-Tap Sense		7.6 m (25 ft) can be e <b>ng - Standard and Inte</b> 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	xtended up t	o 305 m (1000 ft) maximum 180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
PP PVDF Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		ng - Standard and Inte 12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C		180 psi @ 68 °F 25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
PP PVDF Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		12.5 bar @ 20 °C 1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C	gral Sensor	25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	ature	1.7 bar @ 85 °C 14 bar @ 20 °C 1.7 bar @ 85 °C		25 psi @185°F 200 psi @ 68 °F 25 psi @ 185 °F	
Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	ature	14 bar @ 20 °C 1.7 bar @ 85 °C		200 psi @ 68 °F 25 psi @ 185 °F	
Operating Tempera PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	ature	1.7 bar @ 85 °C		25 psi @ 185 °F	
PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	ature				
PP PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense	ature	-18 °C to 85 °C			
PVDF Max. Temperature PP Operating Tempera Max. Wet-Tap Sense		-18 °C to 85 °C			
Max. Temperature PP Operating Tempera Max. Wet-Tap Sense				0 °F to 185 °F	
Operating Tempera Max. Wet-Tap Sense		-18 °C to 85 °C		0 °F to 185 °F	
Operating Tempera Max. Wet-Tap Sense	/Pressure Ratin	ng - Wet-Tap Sensor			
Max. Wet-Tap Sens		7 bar @ 20 °C		100 psi @ 68 °F	
Max. Wet-Tap Sens		1.4 bar @ 66 °C		20 psi @ 150 °F	
	perating Temperature -18			0 °F to 150 °F	
nating	Max. Wet-Tap Sensor Removal Rating			25 psi @ 72 °F	
Shipping Weight					
3-2536-	-X0	0.454 kg		1.00 lb	
3-2536-	-X1	0.476 kg		1.05 lb	
3-2536-		0.680 kg		1.50 lb	
3-2536-	-X3	0.780 kg		1.72 lb	
3-2536-	-X4	0.800 kg		1.76 lb	
3-2536-	-X5	0.880 kg		1.94 lb	
3-8512-	-X0	0.35 kg		0.77 lb	
3-8512-	-X1	0.37 kg		0.81 lb	
Standards and App	provals				
CE, FCC	, NSF (3-2536-P)	X only)			
	ompliant, China F	-			

## Dimensions

Standard Mount

Integral Mount (shown with Transmitter sold separately) Wet-Tap Mount Sensor with 3519 Wet-Tap Valve (See 3519 product page for more information).



-X0 = 104 mm (4.1 in.)

-X1 = 137 mm (5.4 in.)

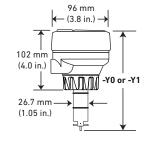
-X2 = 213 mm (8.4 in.)

Pipe range

0.5 to 4 in.

5 to 8 in.

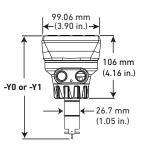
10 in. and up

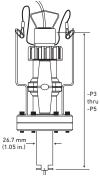


Pipe range

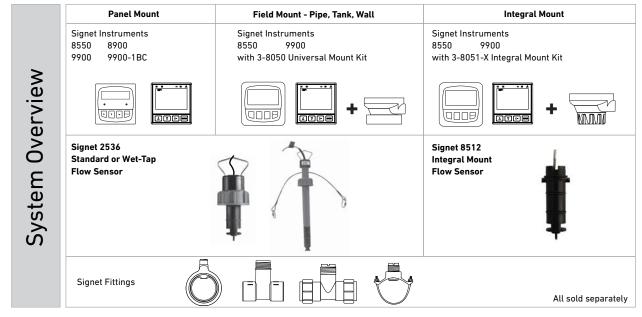
0.5 to 4 in.

5 to 8 in.





	Pipe range		
-Y0 = 152 mm (6.0 in.)	0.5 to 4 in.	-P3 = 297 mm (11.7 in.)	
-Y1 = 185 mm (7.3 in.)	5 to 8 in.	-P4 = 333 mm (13.1 in.)	
	10 in. and up	-P5 = 409 mm (16.1 in.)	



For overview of Wet-Tap System, see 3519 product page

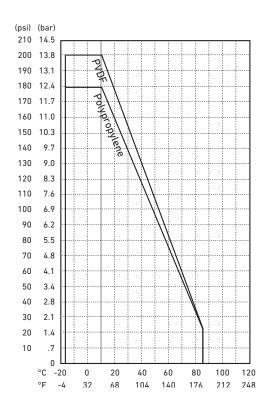
#### **Application Tips**

- Use the Conduit Adapter Kit to protect the cable-to-sensor connection when used in outdoor environments. See Accessories section for more information.
- Use a sleeved rotor in abrasive liquids to reduce wear.
- Sensor plug can be used to plug installation fitting after extraction of sensor from pipe.
- For liquids containing ferrous particles, use Signet Magmeters.
- For systems with components of more than one material, the maximum temperature/pressure specification must always be referenced to the component with the lowest rating.

## **Operating 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 Notes**

- 1) Most common part number combinations shown. For all other combinations contact factory.
- 2) Other rotor and pin materials are available for purchase from the factory and can be easily replaced in the field. See Accessories section.

### **Ordering Information**

#### Model 2536 Standard Mount Paddlewheel

When choosing this style of sensor, the instrument can be mounted nearby on a pipe or wall or in a remote location up to 305 m (1000 ft) by connecting the sensor through a standard 3-8050-1 universal junction box. Standard cable length is 7.6 m (25 ft). Use Signet fittings for proper seating of the sensor into the process flow.

Mfr. Part No.	Code	Body	Rotor	Pin Material		
Flow Sensor for use with remote mount instrument						
DN15 to DN100 - 1/2 to 4 in.						
3-2536-P0	198 840 143	Polypropylene	Black PVDF	Titanium		
3-2536-T0	198 840 149	Natural PVDF	Natural PVDF	Natural PVDF		
3-2536-V0	198 840 146	Natural PVDF	Natural PVDF	Hastelloy-C		
DN125 to DN 200 - 5 to 8 in						
3-2536-P1	198 840 144	Polypropylene	Black PVDF	Titanium		
3-2536-V1	198 840 147	Natural PVDF	Natural PVDF	Hastelloy-C		
DN250 - DN900 - 10 to 36 in.						
3-2536-P2	198 840 145	Polypropylene	Black PVDF	Titanium		

## Ordering Information (continued)

#### Model 2536 Integral Mount Paddlewheel

When choosing this style of sensor, the instrument is mounted directly onto the sensor for a local display. See guidelines below for instructions.

Mfr. Part No.	Code	Body	Rotor	Pin Material		
Flow sensor fo Mount Kit (solo	5	ing on the 8150 or 8	550 instrument us	sing the 3-8051-X Flow Sensor Integra		
DN15 to DN10	0 - ½ to 4 in.					
3-8512-P0	198 864 513	Polypropylene	Black PVDF	Titanium		
3-8512-T0	198 864 518	Natural PVDF**	Natural PVDF	Natural PVDF		
3-8512-V0	198 864 516	Natural PVDF**	Natural PVDF	Hastelloy-C		
DN125 to DN2	DN125 to DN200 - 5 to 8 in. (PP only)					
3-8512-P1	198 864 514	Polypropylene	Black PVDF	Titanium		

\*\*Natural PVDF available ½ in. to 4 in. only

#### Guidelines: Combining a 2536 integral mount flow sensor with an integrally mounted instrument

#### **Option 1**

Once an integral mount sensor is chosen, it can be mounted directly to a field mount transmitter by following these guidelines:

- c) Assembling the sensor with the integral adapter and instrument is quick and simple.
- a) Order the 3-8051-X flow sensor integral mounting kit (sold separately) to connect the sensor to an instrument.
- b) Order a field mount transmitter (sold separately). The following part numbers are compatible: 3-8550-3, 3-9900-1.

### Model 2536 Wet-Tap Mount Paddlewheel Flow Sensor

When choosing this style of sensor, the instrument can be mounted nearby on a pipe or wall or in a remote location up to 305 m (1000 ft) by connecting the sensor through a standard 3-8050-1 universal junction box. Standard cable length is 7.6 m (25 ft). This style of sensor uses the 3519 Wet-Tap valve only (see individual product page for more information).

£	Mfr. Part No.	Code	Body	Rotor	Pin Material		
	Flow Sensor for wet-tap mounting with the 3519 Wet-Tap Valve (sold separately)						
	DN15 to DN100 - 1/2 to 4 in.						
	3-2536-P3	159 000 758	Polypropylene	Black PVDF	Titanium		
	DN125 to DN200 - 5 to 8 in.						
	3-2536-P4	159 000 759	Polypropylene	Black PVDF	Titanium		
	DN250 to DN900 - 10 to 36 in.						
	3-2536-P5	159 000 760	Polypropylene	Black PVDF	Titanium		

#### Guideline: Combining a 2536 Wet-Tap Sensor with a 3519 Wet-Tap Valve

- a) Once a sensor is chosen, it can be mounted in a 3519 Wet-Tap Valve (sold separately)
- b) Assembling a sensor with a 3519 Wet-Tap valve is quick and simple. These parts can also be ordered as complete assemblies. See 3519 product page.

#### Model 2536 Ordering Notes

 Other rotor and pin materials are available for purchase from the factory and can be easily replaced in the field. See Accessories section.

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

## **Accessories and Replacement Parts**

Mfr. Part No.	Code	Description			
Rotors					
3-2536.320-1	198 820 052	Rotor, PVDF Black			
3-2536.320-2	159 000 272	Rotor, PVDF Natural			
3-2536.320-3	159 000 273	Rotor, ETFE			
3-2536.322-1	198 820 056	Sleeved rotor, PVDF Black			
3-2536.322-2	198 820 057	Sleeved rotor, PVDF Natural			
3-2536.322-3	198 820 058	Sleeved rotor, ETFE			
Rotor Pins					
M1546-1	198 801 182	Pin, Titanium			
M1546-2	198 801 183	Pin, Hastelloy-C			
M1546-3	198 820 014	Pin, Tantalum			
M1546-4	198 820 015	Pin, Stainless Steel			
P51545	198 820 016	Pin, Ceramic			
0-Rings					
1220-0021	198 801 000	O-ring, FPM (2 required per sensor)			
1224-0021	198 820 006	O-ring, EPR (EPDM) (2 required per sensor)			
1228-0021	198 820 007	O-ring, FFPM (2 required per sensor)			
Miscellaneous					
P31536	198 840 201	Sensor plug, Polypropylene			
P31542-3	159 000 464	Sensor cap, Blue			
P31934	159 000 466	Conduit cap			
P51589	159 000 476	Conduit adapter kit			
5523-0222	159 000 392	Cable (per foot), 2 cond. w/shield, 22 AWG			
3-2536.321	198 820 054	PVDF Natural, Rotor kit (rotor and pin)			
3-8050	159 000 184	Universal mount kit			
3-8050-1	159 000 753	Universal junction box			
3-8050.390-1	159 001 702	Retaining nut replacement kit, NPT, Valox (for use with 8510 and 8512)			
3-8050.390-3	159 310 116	Retaining nut replacement kit, NPT, PP (for use with 8510 and 8512)			
3-8050.390-4	159 310 117	Retaining nut replacement kit, NPT, PVDF (for use with 8510 and 8512)			
3-8051	159 000 187	Transmitter integral adapter (for use with 8510 and 8512)			
3-8051-1	159 001 755	Transmitter integral mounting kit, NPT, PP (for use with 8510 and 8512)			
3-8051-2	159 001 756	Transmitter integral mounting kit, NPT, PVDF (for use with 8510 and 8512)			