

## Ordering Information

### Model 515 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 60 m/200 ft (standard cable length is 7.6 m/25 ft) by connecting the sensor through a standard 3-8050-1 universal junction box. Use Signet fittings for proper seating of the sensor into the process flow.

Model 515 Standard Paddlewheel Flow Sensor



Sensor Part Number	
<b>P51530</b>	Flow Sensor for use with remote mount instrument
↓	Body/Rotor/Pin Material-Choose One*
	- H Polypropylene/Black PVDF/Hastelloy-C
	- P Polypropylene/Black PVDF/Titanium
	- S Polypropylene/Black PVDF/Natural PVDF
	- T Natural PVDF/Natural PVDF/Natural PVDF
	- V Natural PVDF/Natural PVDF/Hastelloy-C
	Pipe Size - Choose One
0 1/2 to 4 in.	
1 5 to 8 in.	
2 10 to 36 in.	
↓	
<b>P51530</b>	<b>- P 0 Example Part Number</b>

Mfr. Part No.*	Code	Mfr. Part No.*	Code
P51530-H0	<b>198 801 659</b>	P51530-T0	<b>198 801 663</b>
P51530-P0	<b>198 801 620</b>	P51530-T1	<b>198 801 664</b>
P51530-P1	<b>198 801 621</b>	P51530-V0	<b>198 801 623</b>
P51530-P2	<b>198 801 622</b>	P51530-V1	<b>198 801 624</b>
P51530-S0	<b>198 801 661</b>	P51530-V2	<b>198 801 625</b>

#### \*Model 515 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.

### Model 515 Integral Mount Paddlewheel

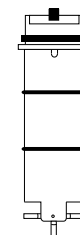
When choosing this style of sensor, the instrument is mounted directly onto the sensor for a local display. See Guideline below for instructions.

Sensor Part Number	
<b>3-8510</b>	Flow Sensor for integral mounting on the 8150 or 8550 instrument using the 3-8051 adapter (instrument and adapter sold separately)
↓	Body/Rotor/Pin Material-Choose One*
	- P Polypropylene/Black PVDF/Titanium
	- T Natural PVDF/Natural PVDF/Natural PVDF**
	- V Natural PVDF/Natural PVDF/Hastelloy-C**
	Pipe Size - Choose One
	0 1/2 to 4 in.
	1 5 to 8 in. (PP only)
↓	
<b>3-8510</b>	<b>- P 0 Example Part Number</b>

\*\*PVDF available 1/2 in. to 4 in. only

Mfr. Part No.*	Code	Mfr. Part No.*	Code
3-8510-P0	<b>198 864 504</b>	3-8510-T0	<b>159 000 622</b>
3-8510-P1	<b>198 864 505</b>	3-8510-V0	<b>198 864 506</b>

Model 515 Integral Mount Paddlewheel Flow Sensor



#### Guideline: Combining a 515 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:

- a) Order the integral adapter kit 3-8051 (sold separately) to connect the sensor to an instrument.
- b) Order a field mount transmitter (sold separately). The following part numbers are compatible: 3-8550-1, 3-8550-2, 3-8550-3, 3-8150-1.

- c) Assembling the sensor with the integral adapter and instrument is quick and simple.

#### Option 2

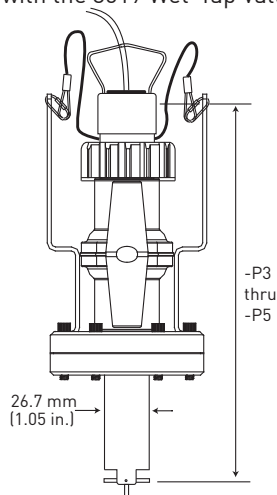
These parts can also be ordered as an assembled part. See page 74 "Integral Mount" for more information.

## Ordering Information (continued)

### Model 515 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 60 m (200 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).

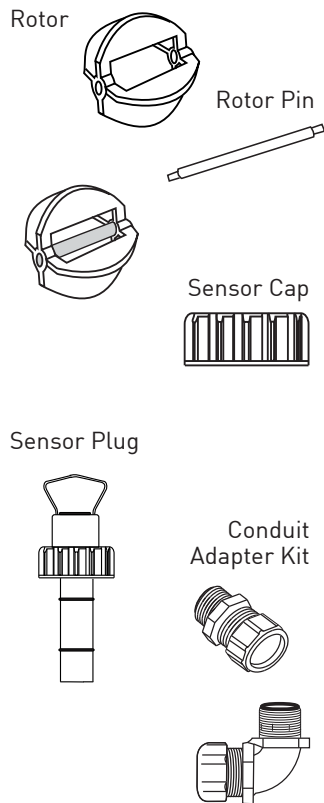
Signet 515 Wet-Tap Sensor with the 3519 Wet-Tap Valve



Pipe Range  
 ½ to 4 in. -P3 = 297 mm (11.7 in.)  
 5 to 8 in. -P4 = 333 mm (13.1 in.)  
 10 in. and up -P5 = 409 mm (16.1 in.)

#### \*Model 515 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.



Sensor Part Number	
<b>P51530</b>	Flow Sensor for wet-tap mounting with the 3519 Wet-Tap Valve (sold separately)
	Body/Rotor/Pin Material*
- P	Polypropylene/Black PVDF/Titanium
	Pipe Size - Choose One
3	½ to 4 in.
4	5 to 8 in.
5	10 to 36 in.
<b>P51530</b>	- P 3 <b>Example Part Number</b>

Mfr. Part No.*	Code
P51530-P3	<b>198 840 310</b>
P51530-P4	<b>198 840 311</b>
P51530-P5	<b>198 840 312</b>

#### Guideline: Combining a 515 Wet-Tap Sensor with a 3519 Wet-Tap Valve

- Sensor can be mounted in a 3519 Wet-Tap Valve (sold separately)
- 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.

## Accessories and Replacement Parts

Mfr. Part No.	Code	Description
<b>Rotors</b>		
M1538-2	<b>198 801 181</b>	Rotor, PVDF Black
P51547-3	<b>159 000 474</b>	Rotor, PVDF Natural
M1538-4	<b>198 820 018</b>	Rotor, Tefzel®
P51550-3	<b>198 820 043</b>	Rotor and pin (matched set), PVDF Natural
3-0515.322-1	<b>198 820 059</b>	Sleeved rotor, PVDF Black
3-0515.322-2	<b>198 820 060</b>	Sleeved rotor, PVDF Natural
3-0515.322-3	<b>198 820 017</b>	Sleeved rotor, Tefzel®
<b>Rotor Pins</b>		
M1546-1	<b>198 801 182</b>	Pin, Titanium
M1546-2	<b>198 801 183</b>	Pin, Hastelloy-C
M1546-3	<b>198 820 014</b>	Pin, Tantalum
M1546-4	<b>198 820 015</b>	Pin, Stainless Steel
P51550-3	<b>198 820 043</b>	Rotor and pin, PVDF Natural
P51545	<b>198 820 016</b>	Pin, Ceramic
<b>O-Rings</b>		
1220-0021	<b>198 801 186</b>	O-ring, FPM (2 required per sensor)
1224-0021	<b>198 820 006</b>	O-ring, EPR (EPDM) (2 required per sensor)
1228-0021	<b>198 820 007</b>	O-ring, FFPM (2 required per sensor)
<b>Miscellaneous</b>		
P31536	<b>198 840 201</b>	Sensor plug, Polypropylene
P31542	<b>198 801 630</b>	Sensor cap, Red
P31934	<b>159 000 466</b>	Conduit cap
P51589	<b>159 000 476</b>	Conduit adapter kit
5523-0222	<b>159 000 392</b>	Cable (per foot), 2 cond. w/shield, 22 AWG
3-8050	<b>159 000 184</b>	Universal Mount Kit
3-8050.390-1	<b>159 001 702</b>	Retaining nut replacement kit, Valox K4530
3-8050.391	<b>159 001 703</b>	Retaining nut replacement kit, Stainless Steel
3-8051	<b>159 000 187</b>	Transmitter integral adapter (for use with 8510 and 8512) [see system overview for graphics]
6400-9001	<b>159 001 466</b>	Intrinsic safety barriers (2 required)
3-8051-1	<b>159 000 753</b>	Universal junction box