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Become a Value Added Distributor

Flow Switches and Indicators

Sense small flows in liquid or gas lines for less than the cost of a movie ticket, with the flow switch collection from Compac Engineering Inc. Our selection includes a wide variety of water flow switch selections, air flow switch and electronic flow switch options for you to choose from – all at an affordable price.

Flow Switch Applications

In addition to a simple way of detecting the presence or absence of flow in a pipe, flow switches provide a great solution for many different applications, including activating equipment at flow turn-on, detecting flow in spray/sprinkler systems and monitoring coolant flow.

Features:

Direct flow sensing: Installing a flow switch in the flow stream is direct flow sensing. This will detect liquid or gas flowing through the switch (within the limits of the product's differential pressure sensitivity and flow rate capacity).

Indirect flow sensing: Placing the flow switch in a bypass line so only a portion of the system's flow passes through it expands the range of possible applications. Any flow rate within the unit's pressure rating can be detected when the required pressure differential is present.

Venturi meter sensing method: This method is based on the principle that different flow velocities produce different amounts of suction. The meter comprises a pipe incorporating a constriction or "waist." The velocity in the pipe just past the waist is greater than the upstream area. The suction (lower pressure) is similarly greater in the area just past the waist. Since the difference in pressure depends upon flow velocity, it must also depend upon the quantity of fluid passing through the pipe per unit of time. Therefore, the pressure differential provides a measure for the flow rate.

The best way to get acquainted with our flow switches is to try them out for yourself! If you are new to Compac or want to evaluate one of our products, don't hesitate to ask for a free sample. Call 800-828-9044 today, and let us know what we can do for you.

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Become a Value
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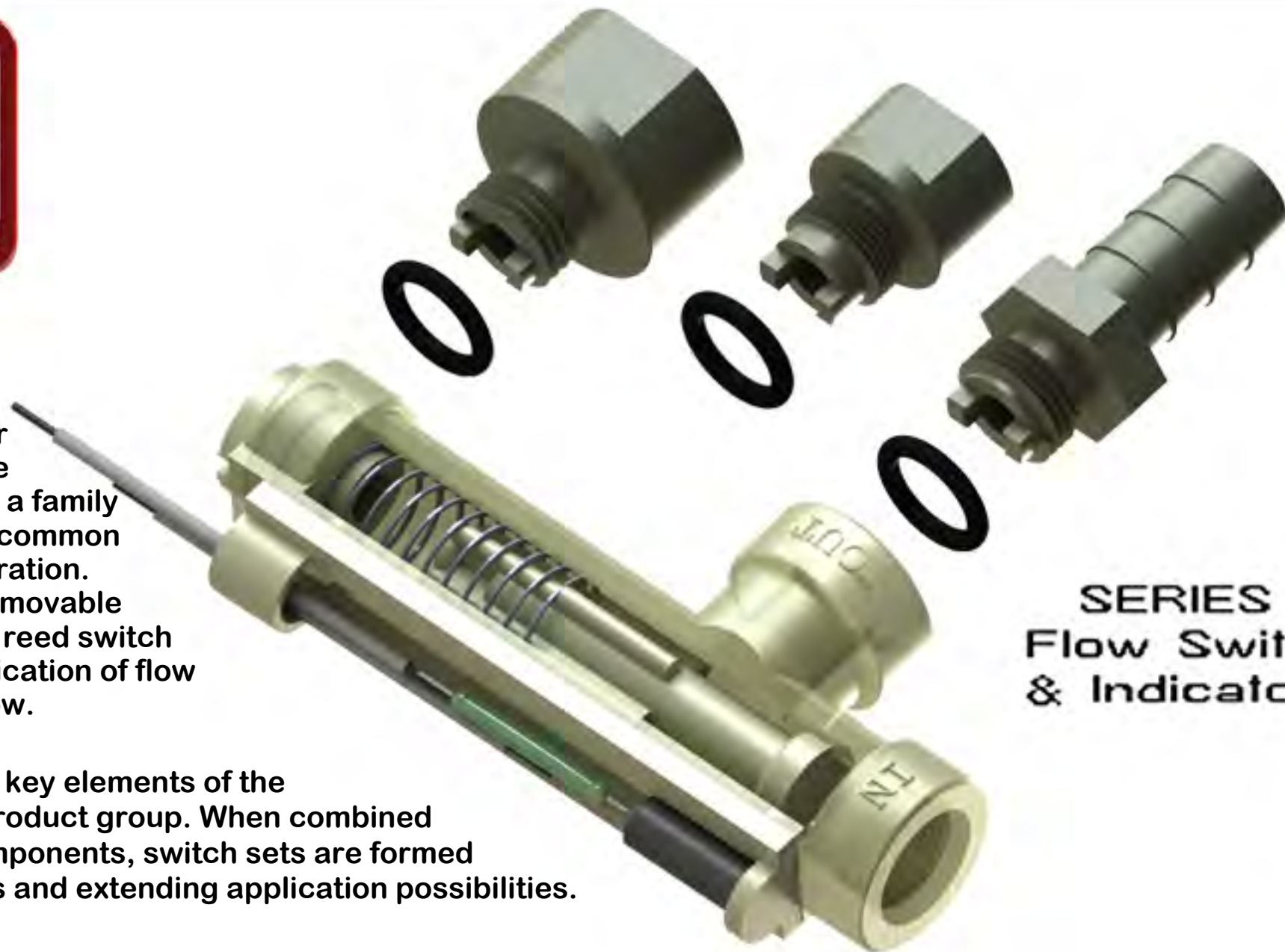
Now you can sense small flows in liquid or gas lines for less than the price of a movie ticket. Series 5 products are a family of small sensors based on a common part set and principle of operation. Pressure differential across movable magnetic poppet operates a reed switch and/or provides a visible indication of flow through a transparent window.

5-20, 5-21 and 5-21H are the key elements of the Series 5 ERECTA SWITCH product group. When combined with ERECTA accessory components, switch sets are formed providing additional features and extending application possibilities.

Although 5s are designed for small flow applications (under 3 GPM), they can be used in by-pass lines so flow can be sampled and sensed without impeding flow efficiency. As an "in the flow stream" sensor, 5s are only limited by the I.D. of their internal port diameter.

Switches are preset, at time of manufacture, to close contact upon increasing flow rate. Set points ranging from .01 GPM to 1.0 GPM are in stock so prompt shipment is not a problem. And you can choose the construction material best suited to your needs. 5s are offered in a choice of Polypropylene, Acetal or Kynar PVDF plastics. Except for the 3/8 NPT boss 5-21H switch, connections to the flow medium are made through accessory adapter fittings. Several pip thread and hose sizes can be accommodated.

Monitoring coolant flow, activating equipment at flow turn-on, detecting flow in spray/sprinkler systems are excellent applications for this product. "Check 'em out". 5s are the affordable small flow solution.



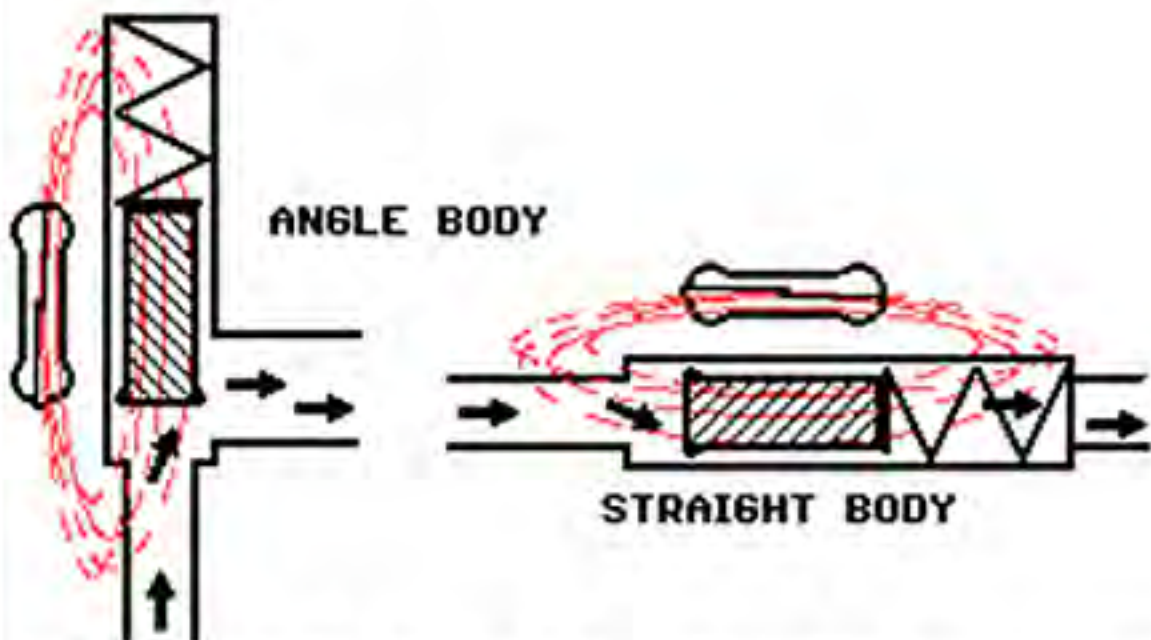
**SERIES 5
Flow Switches
& Indicators**

SERIES 5 SWITCHES (Water 20 °C) * Set Point in GPM	ΔP PSI @ actuation threshold		ΔP PSI @ 3 GPM		
	0.1	.25	0.5	.75	1.0
5-20-□□-□.□□	.5 30	.6 30	.75 25	1.2 22	1.4 20
5-21-□□-□.□□	.22 32	.3 31	.4 30.5	.52 30	.7 30
* Set Point in GPM	—	.30	—	.75	—
5-21H-□□-□.□□	—	.5 20	—	.7 6.5	—

* + - 10% Characteristic performance.

SCHEMATIC

Differential pressure across magnetic poppet moves the magnet to actuate the SPST normally open switch. The switch remains closed until flow is reduced.



APPLICATION ENVIRONMENT		
Pressure	200 PSI MAX @ 20 °C	Derate, Zero @ 90 °C
Temperature	90 °C MAX	---
Mtg Position	Any W/Spring	Vert W0/Spring
Liquid/Gas	Clear	Low Viscosity

ELECTRICAL RATING	
OKI™ OKI Sensor Device Corporation	
Contact life	Complete OKI Reed Switch Databook available at http://www.osdc.co.jp/
Contact rating	70 VA*, 50W* *Resistive OKI Sensor Device Corporation Reed Switch Model ORD229 Tokyo 193-8550, Japan
UL file E70063	
Max Switching Voltage	300AC, 350DC
Max Switching Current	AC 0.5AMP*, DC 0.7AMP*

MATERIALS OF CONSTRUCTION	
All Models PP	(Gray & black) Polypropylene
All Models AC	(Red) Acetal
All Models KR	(Natural) Kynar PVDF

SERIES 5 MODEL DIFFERENTIATION

5-20 Angle flow pattern; .1 to 1.0 GPM preset (.5) trip points; clean out cap; static area above spring; poppet moves away from flow path at high flow; can operate without spring if vertically mounted; accessory thread adapters required; ERECTA SWITCH indicator trim, low flow trim, wiring receptacle and battery operated beeper available. Highest price.

5-21 Straight flow pattern; .1 to 1.0 GPM preset (5) trip points; low pressure drop at/or near threshold operate point; large pressure drop at high flow, can operate without spring if vertically mounted; accessory thread adapters required. Intermediate price.

5-21H Straight flow pattern; .30 or .75 GPM preset trip point; low pressure drop at/or near threshold operate point; comparatively lower pressure drop at high flow rate; return spring required; accessory thread adapters not required. Lowest Price.

*UL component recognition applies to the OKI switch Model ORD229. Observe applicable electrical codes when using this product.

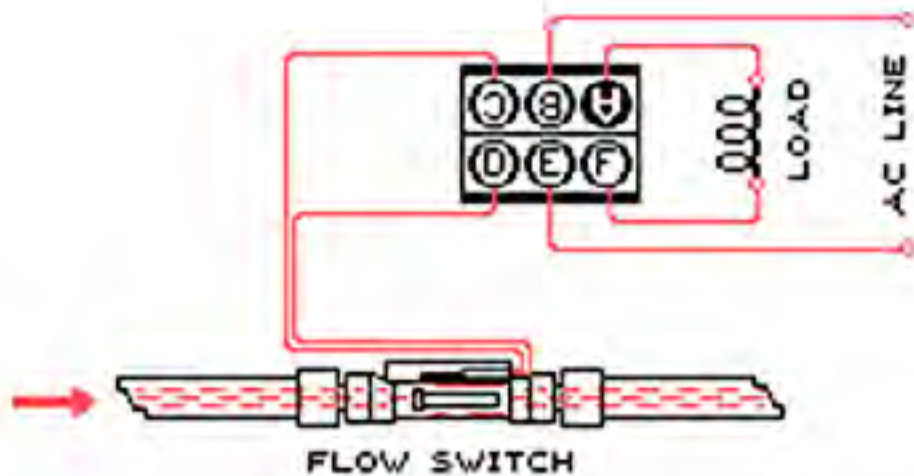
ANGLE OR STRAIGHT BODY?

Aside from the difference in flow path through the body, 5-20, 21 and 21H switches share the same internal parts. Pressure drop, sensitivity and clean out provisions are the differentiating attributes.



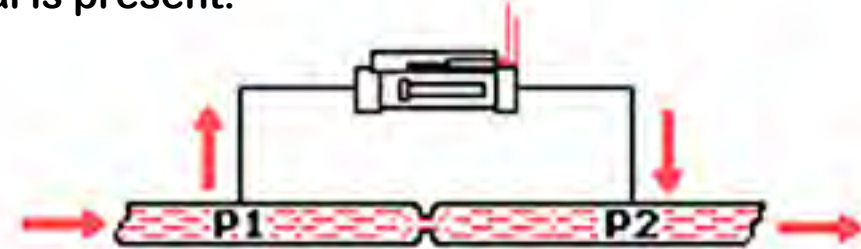
DIRECT FLOW SENSING

Liquid or gas flowing through the switch (within the limits of the product's differential pressure sensitivity and flow rate capacity) will be detected. Installing the switch in the flow stream is direct flow sensing. This would be the product's expected application when the flow rate is between .1 and 3 GPM. Switch is shown connected to a Button Pack SS Relay for greater load handling capacity.



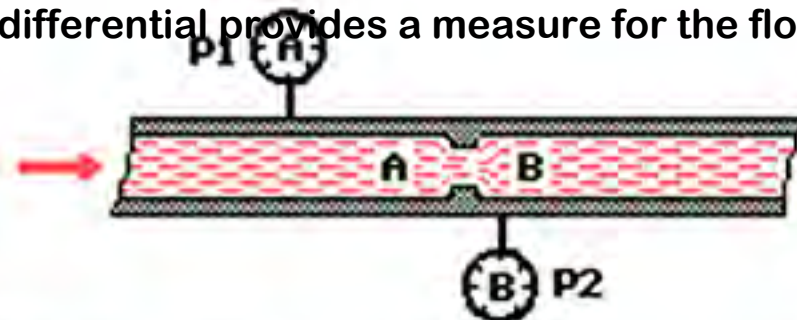
INDIRECT FLOW SENSING

Placing the switch in a bypass line so only a portion of the system's flow passes through it expands the range of possible applications. Any flow rate within the units pressure rating can be detected when the required pressure differential is present.



VENTURE METER SENSING METHOD

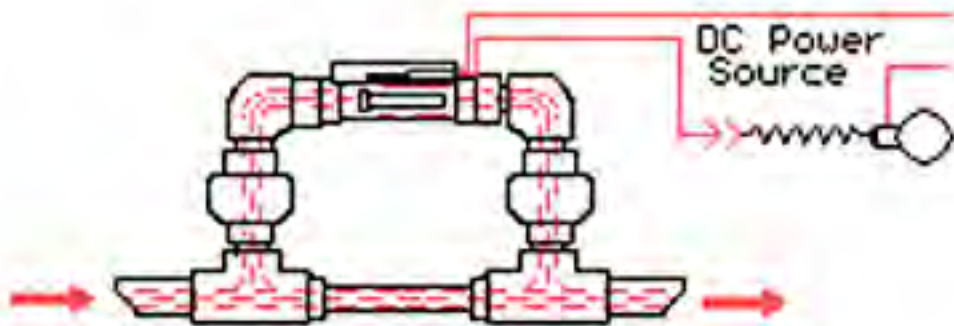
Among the available sensing techniques, the Venturi meter method provides the simplest way to detect the presence or absence of flow in a pipe. This method is based on the principle that different flow velocities produce different amounts of suction. The meter comprises a pipe incorporating a constriction or "waist". The velocity in the pipe just past the waist (B) is greater than the upstream area (A). The suction (lower pressure) is similarly greater in the area just past the waist. Since the difference in pressure between (A) and (B) depends upon flow velocity, it must also depend upon the quantity of fluid passing through the pipe per unit of time. (In the case of water ... flow rate in cubic ft/sec = cross sectional area of pipe in sq. ft. X flow velocity in ft/sec). Hence this pressure differential provides a measure for the flow rate.



BYPASS FLOW SENSING

As the diagram shows, a small percentage of the system's flow stream is diverted through an unobstructed, close coupled bypass. Using our .1 GPM set point switch, flow, in the bypass, of less than 1 pint per minute at about 3 ounces pressure will cause switch actuation; about 1% of the flow in a 10 GPM system.

Getting the flowing medium into the bypass requires the bypass be placed across a constriction in the line so that differential pressure, sufficient to operate the switch is available in the bypass. This constriction may be part of the system's plumbing or a clogged filter or pipe. Considering the sensitivity of our switch, the constriction required is minimal, localized and the resulting pressure drop in the main stream is often insignificant. Switch is shown connected to a current limited incandescent bulb.



The chart below shows what can be expected when flow is sensed in a bypass connected to a 1/2" Sch 40 pipe flow stream. Here it can be seen that a constriction of as little as 7% in the flow stream is sufficient to make the bypass technique effective.

5-21 Set For 0.1 GPM Trip (Water)	Diameter Of Constriction in 1/2" Sch 40 Pipe							
	.187	.250	.312	.375	.437	.500	.562	.602
GPM Pull-in	1.05	1.75	2.55	3.5	4.75	6.0	7.5	—
GPM Drop-out	1.00	1.70	2.5	3.3	4.5	5.75	7.25	—

LOW FLOW TRIM

The internal trim of the 5-20 switch can be exchanged with a special trim designed to increase the ability to detect small flows. The product is sold as a set cataloged as 5-20-LF. Exchange trim is a matter of discarding the standard trim (clean out cap and poppet) and replacing it with the LF trim (clean out cap, poppet and orifice). The table below shows performance with and without the return spring installed. Assuming the sensor is mounted in the "poppet up" vertical position, operating without the spring will increase detection sensitivity. This may be useful in pulsating flow applications.

ΔP PSI LIQUID	5-20-LF GPH (Water 20°C)							
	.008	.016	.042	.05	.083	.116	.13	.15
Spring	—	—	2.0	3.0	5.0	10	15	20
No Spring	.5	1.0	2.0	3.0	5.0	10	15	20

ΔP PSI GAS	5-20-LF SCFM (Air 20°C)							
	6	9	12	15	18	21	24	27
Spring	—	—	2.4	3.2	4.5	5.8	7.0	8.6
No Spring	.5	1.0	2.0	3.0	4.0	5.5	6.8	8.6

Outlined PSI is ΔP at switch actuation threshold.

INDICATOR TRIM

Special trim adds a visual flow indication feature to the 5-20 switch. The product is sold as the 5-19-... indicator flow switch set. Conversion is a matter of discarding the standard trim (clean our cap and poppet) and replacing it with the Indicator trim (Indicator window and flag poppet).

ACCESSORY FITTINGS

Fittings isolate the body from torque applied to pipe threads as well as providing thread size options. For correct operation, the 5-21 straight body switch must be equipped with our fittings (at least at the outlet boss). See 5-1/... accessory fittings.

ANGLE BODY FLOW SWITCH

5-20-PP-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



The 5-20-PP Angle Body Flow Switch is the standard in OEM low flow sensor applications. 5-20 flow switches have a built in clean out port allowing the removal of the spring and poppet without disassembly of your plumbing. 5-20 flow switches are available in 5 factory flow sensor set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow switch vertically without the titanium spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

Polypropylene version is suitable for water, soaps, and light acid flow sensor applications.

ANGLE BODY FLOW SWITCH

5-20-AC-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



The 5-20-AC Angle Body Flow Switch is the standard in OEM low flow sensor applications. 5-20 flow switches have a built in clean out port allowing the removal of the spring and poppet without disassembly of your plumbing. 5-20 flow switches are available in 5 factory flow sensor set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow switch vertically without the titanium spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

Acetal Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

ANGLE BODY FLOW SWITCH

5-20-KR-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



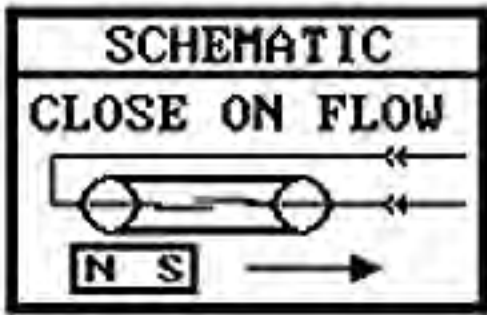
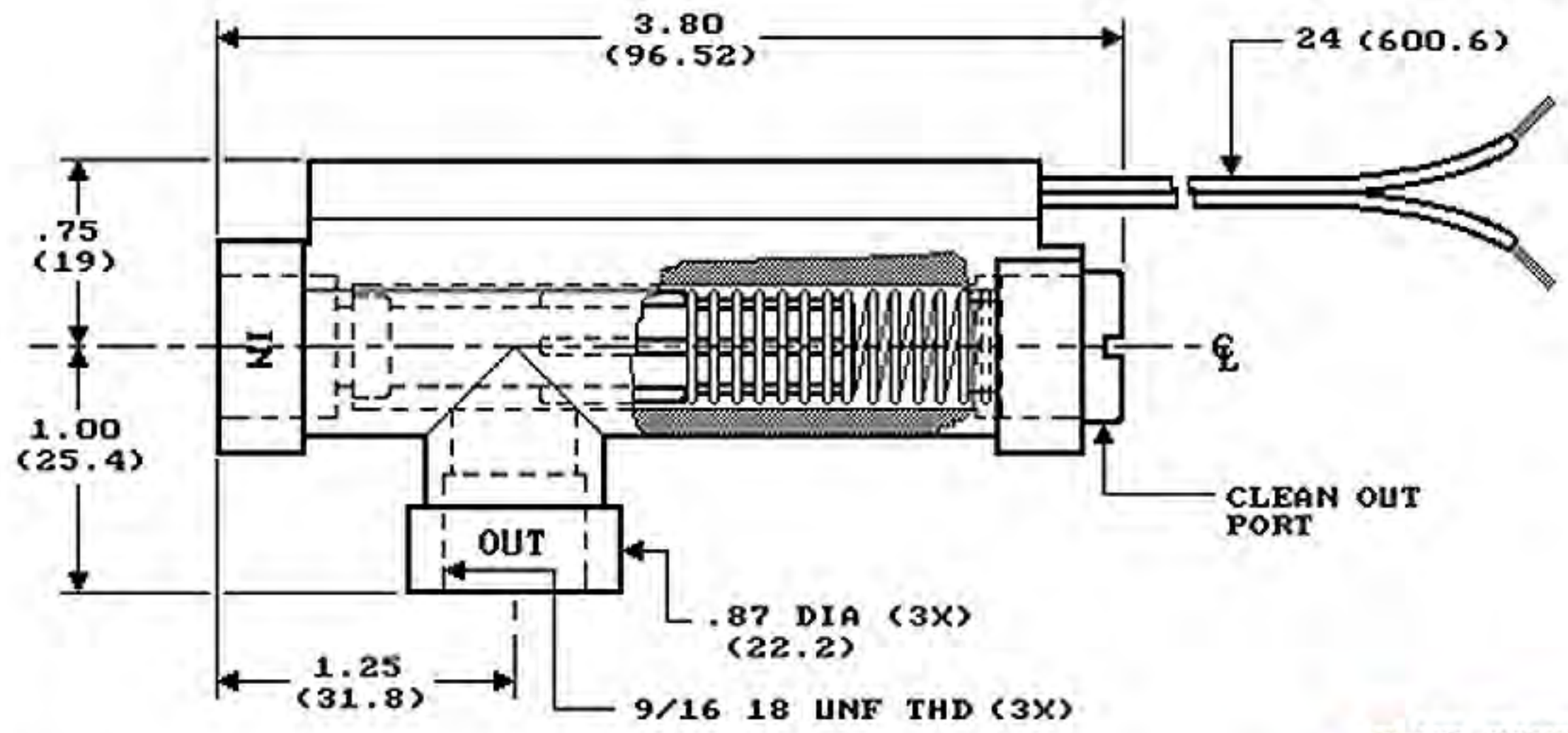
The 5-20-KR Angle Body Flow Switch is the standard in OEM low flow sensor applications. 5-20 flow switches have a built in clean out port allowing the removal of the spring and poppet without disassembly of your plumbing. 5-20 flow switches are available in 5 factory flow sensor set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow switch vertically without the titanium spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

The PVDF Kynar version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

ANGLE BODY FLOW SWITCH

5-20--.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



RoHS COMPLIANT

ERECTA™
SWITCH

E520AS

ANGLE BODY FLOW SWITCH

5-20-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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STRAIGHT BODY FLOW SWITCH

5-21-PP-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



The 5-21 Straight Body Flow Switch is the best bargain in OEM low flow sensor applications. The no nonsense 5-21 flow switches are available in 5 factory flow switch set points .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount vertically without the titanium spring and sense even lower flow sensor rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings. (Fitting serves as stop for flow switch poppet and spring in out flow port)

Polypropylene flow switch version is suitable for water, soaps, light acids flow sensor application.

STRAIGHT BODY FLOW SWITCH

5-21-AC-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



The 5-21 Straight Body Flow Switch is the best bargain in OEM low flow sensor applications. The no nonsense 5-21 flow switches are available in 5 factory flow switch set points .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount vertically without the titanium spring and sense even lower flow sensor rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings. (Fitting serves as stop for flow switch poppet and spring in out flow port)

Acetal Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

STRAIGHT BODY FLOW SWITCH

5-21-KR-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



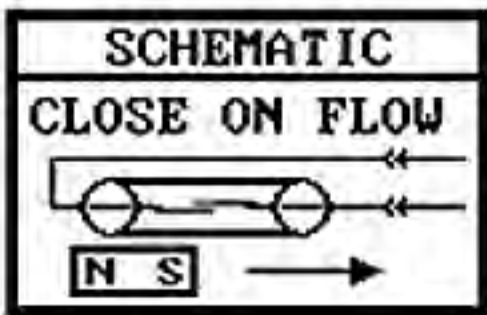
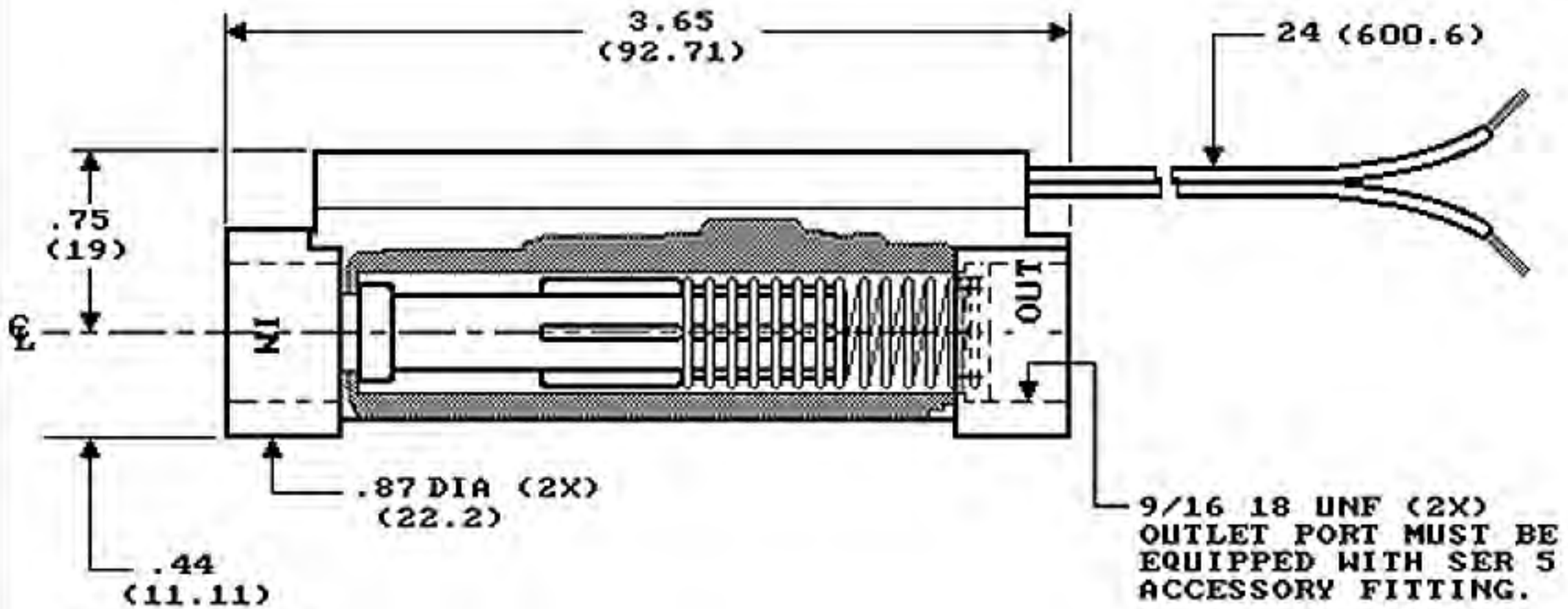
The 5-21 Straight Body Flow Switch is the best bargain in OEM low flow sensor applications. The no nonsense 5-21 flow switches are available in 5 factory flow switch set points .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount vertically without the titanium spring and sense even lower flow sensor rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings. (Fitting serves as stop for flow switch poppet and spring in out flow port)

The PVDF Kynar version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

STRAIGHT BODY FLOW SWITCH

5-21--.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



RoHS COMPLIANT

ERECTA™
SWITCH

E521AS

STRAIGHT BODY FLOW SWITCH

5-21-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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STRAIGHT BODY FLOW SWITCH

5-21H-PP-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



5-21H Straight Body Flow Switch offers a lower pressure drop in OEM low flow sensor applications. The economical 5-21Hs flow switch offers .3gpm and .75gpm preset factory flow switch set points. Built in 3/8 NPT female bosses in this flow switch eliminate the need for flow switch accessory fittings.

Polypropylene flow switch version is suitable for water, soaps, light acids flow sensor application.

STRAIGHT BODY FLOW SWITCH

5-21H-AC-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



5-21H Straight Body Flow Switch offers a lower pressure drop in OEM low flow sensor applications. The economical 5-21Hs flow switch offers .3gpm and .75gpm preset factory flow switch set points. Built in 3/8 NPT female bosses in this flow switch eliminate the need for flow switch accessory fittings.

Acetal Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

STRAIGHT BODY FLOW SWITCH

5-21H-KR-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



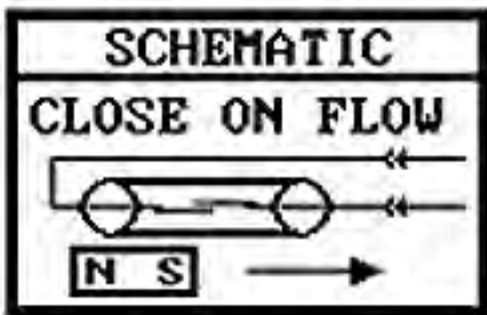
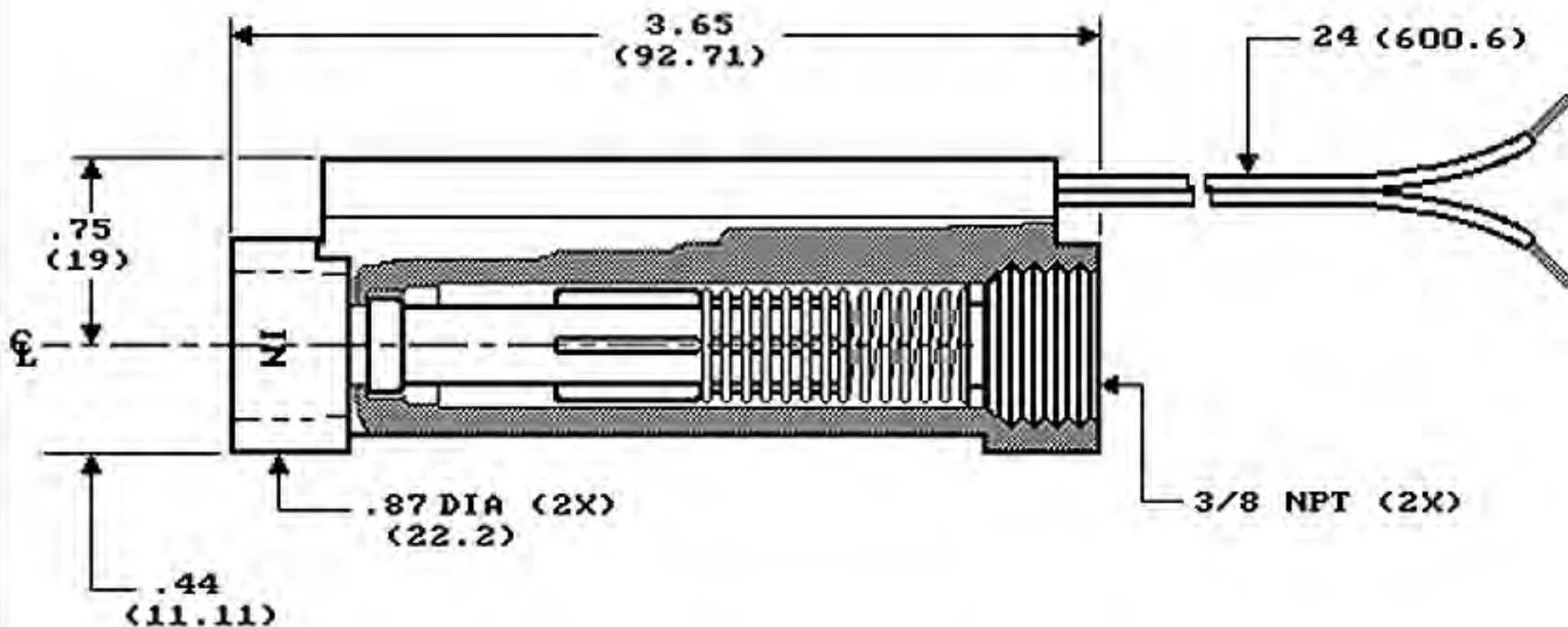
5-21H Straight Body Flow Switch offers a lower pressure drop in OEM low flow sensor applications. The economical 5-21Hs flow switch offers .3gpm and .75gpm preset factory flow switch set points. Built in 3/8 NPT female bosses in this flow switch eliminate the need for flow switch accessory fittings.

The PVDF Kynar version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

STRAIGHT BODY FLOW SWITCH

5-21H--

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



RoHS COMPLIANT



STRAIGHT BODY FLOW SWITCH

5-21H-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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FLOW NO FLOW INDICATOR

5-18-PP

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



Polypropylene
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RoHS Compliant



The 5-18 Visual Flow Indicator is a simple low cost visual flow / no flow indicator. When flow is present the red flow indicator tail is plainly visible in the viewing port. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

Polypropylene Flow Indicator version is suitable for water, soaps, light acid flow indicator applications.

FLOW NO FLOW INDICATOR

5-18-AC

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



The 5-18 Visual Flow Indicator is a simple low cost visual flow / no flow indicator. When flow is present the red flow indicator tail is plainly visible in the viewing port. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

Acetal Flow Indicator Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow indicator applications.

FLOW NO FLOW INDICATOR

5-18-KR

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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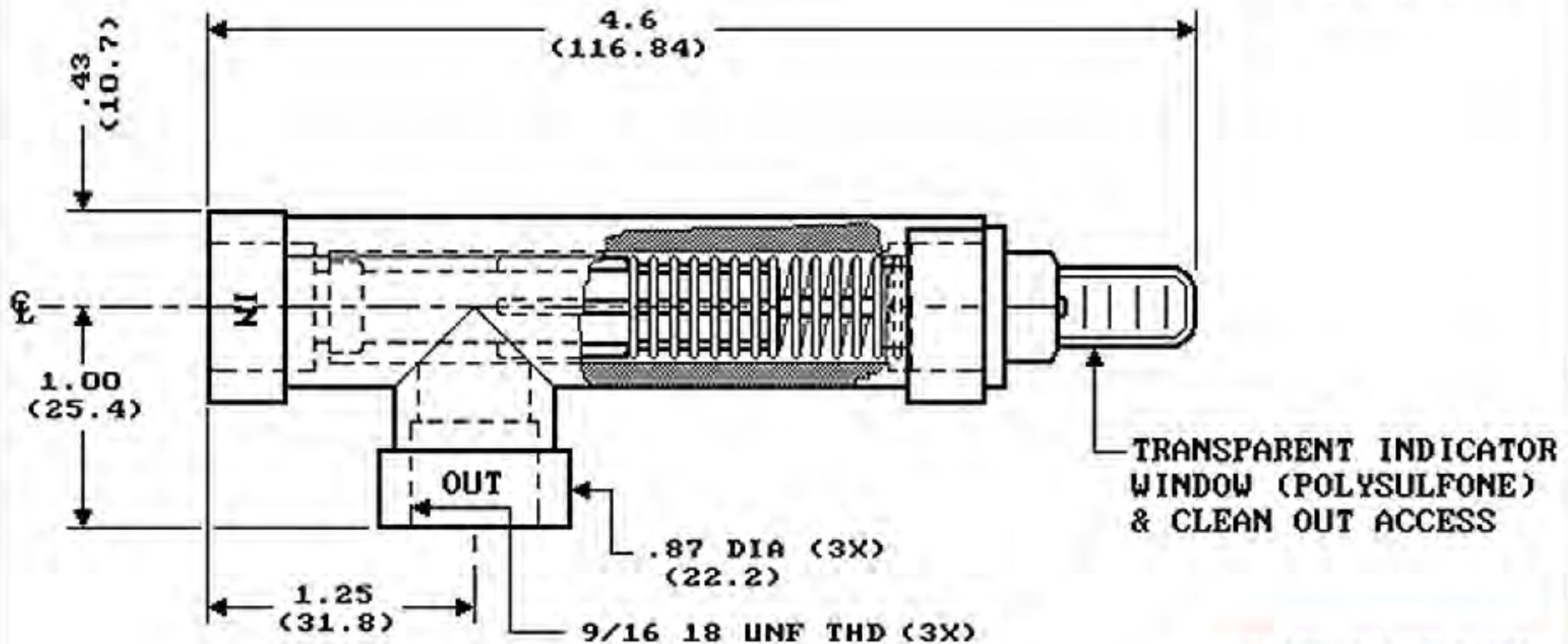
RoHS Compliant



The 5-18 Visual Flow Indicator is a simple low cost visual flow / no flow indicator. When flow is present the red flow indicator tail is plainly visible in the viewing port. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available accessory fittings.

The PVDF Kynar Flow Indicator Version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow indicator applications.

FLOW NO FLOW INDICATOR

5-18-(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

NOTES: INDICATOR VISABLE WHEN
FLOW RATE > .1 GPM

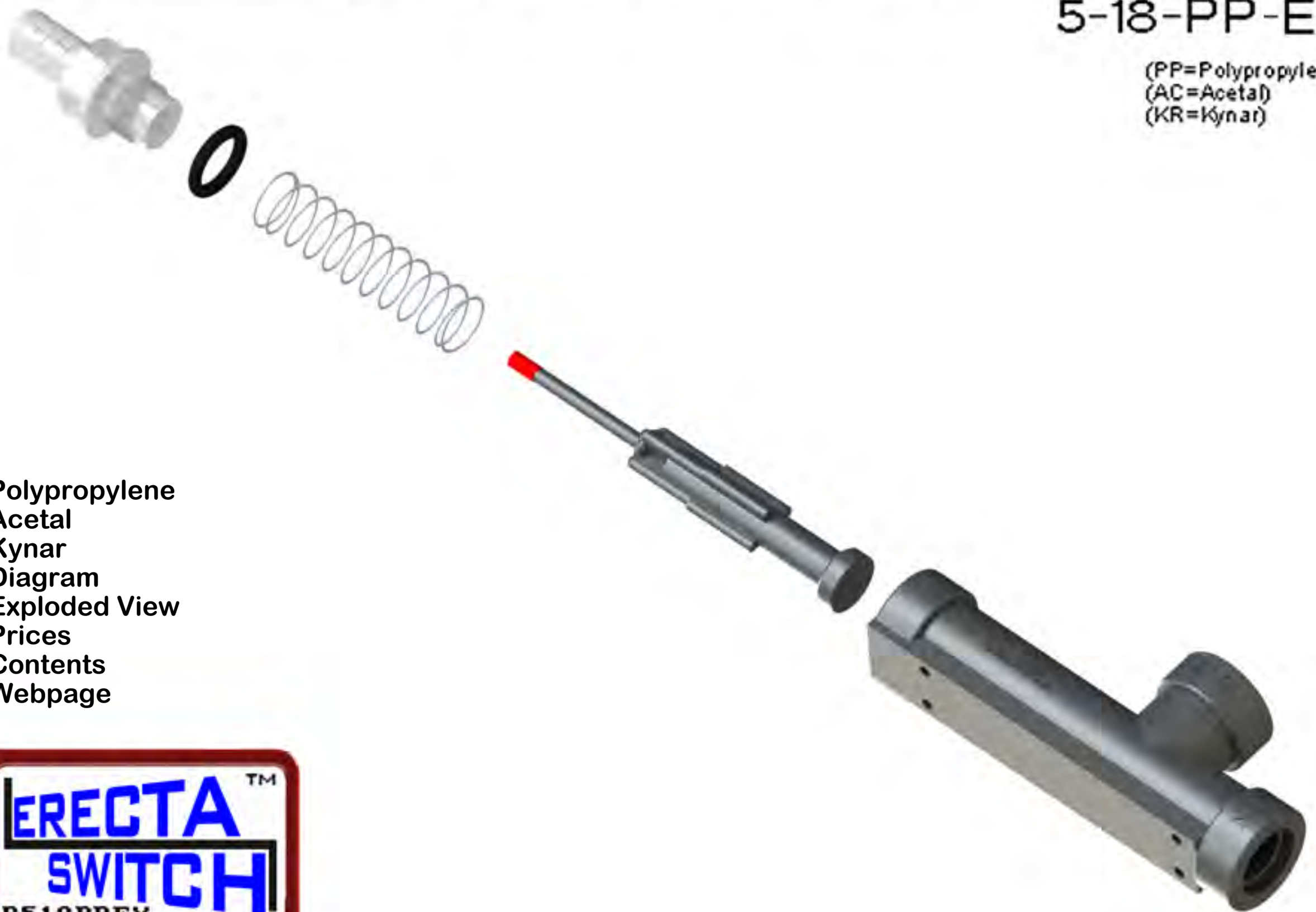
RoHS COMPLIANT



FLOW NO FLOW INDICATOR

5-18-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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INDICATOR FLOW SWITCH SET

5-19 Flow Indicator / Flow Switch Set enhances the 5-20 angle body Flow switch by adding a visual flow indicator feature. Polysulfone Flow indicator window let's you visually verify flow indicator status and flow switch operation.

5-19-PP-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The flow indicator window is easy to unscrew and the flow indicator poppet and spring can be easily removed with your fingers, making clean out easy without removing the 5-19 flow indicator / flow switch from the line.



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RoHS Compliant



5-19 flow indicator / flow switches are available in 5 factory set flow switch set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow indicator / flow switch vertically without the spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings.

Polypropylene flow indicator / flow switch version is suitable for water, soaps, light acids flow indicator / flow sensing applications.

INDICATOR FLOW SWITCH SET

5-19 Flow Indicator / Flow Switch Set enhances the 5-20 angle body Flow switch by adding a visual flow indicator feature. Polysulfone Flow indicator window let's you visually verify flow indicator status and flow switch operation.

5-19-AC-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The flow indicator window is easy to unscrew and the flow indicator poppet and spring can be easily removed with your fingers, making clean out easy without removing the 5-19 flow indicator / flow switch from the line.



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RoHS Compliant



5-19 flow indicator / flow switches are available in 5 factory set flow switch set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow indicator / flow switch vertically without the spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings.

Acetal Flow Indicator / Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow indicator / flow sensing applications.

INDICATOR FLOW SWITCH SET

5-19 Flow Indicator / Flow Switch Set enhances the 5-20 angle body Flow switch by adding a visual flow indicator feature. Polysulfone Flow indicator window let's you visually verify flow indicator status and flow switch operation.

5-19-KR-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The flow indicator window is easy to unscrew and the flow indicator poppet and spring can be easily removed with your fingers, making clean out easy without removing the 5-19 flow indicator / flow switch from the line.



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RoHS Compliant



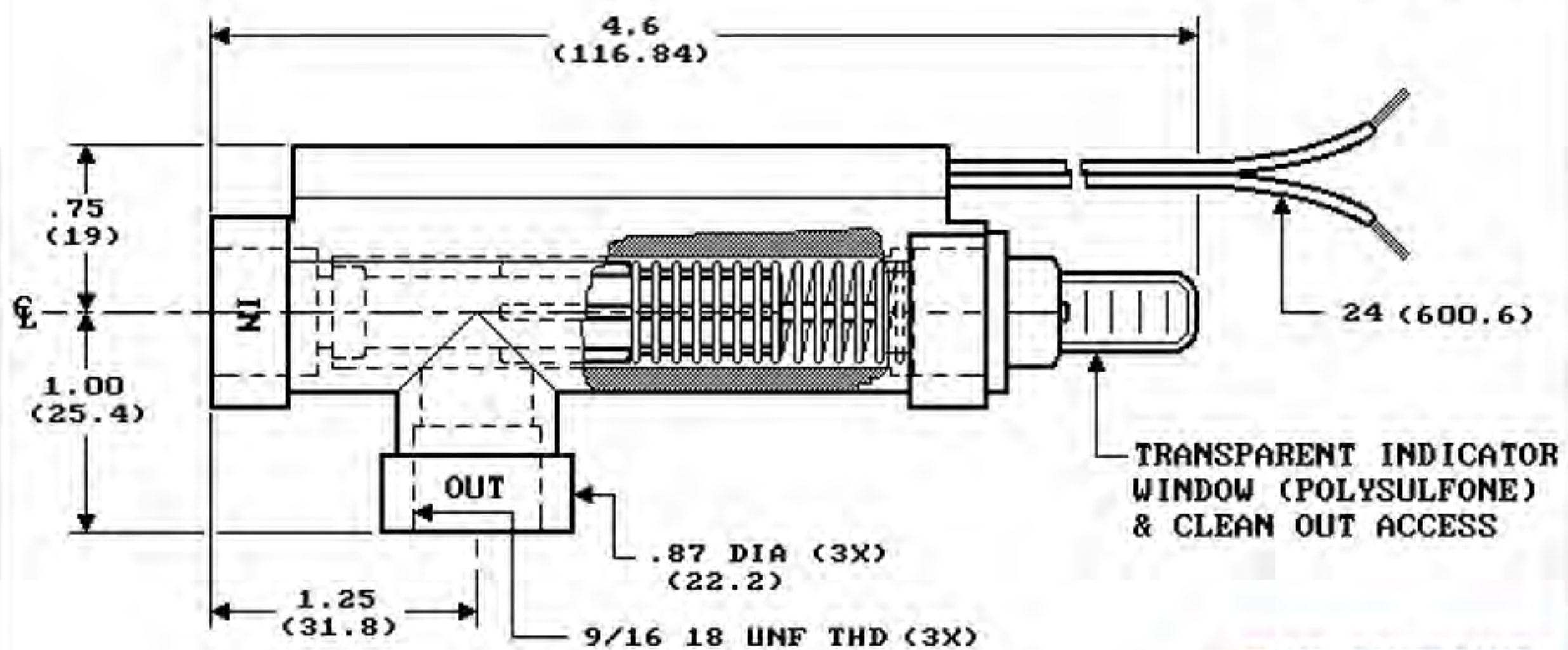
5-19 flow indicator / flow switches are available in 5 factory set flow switch set points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow indicator / flow switch vertically without the spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings.

The PVDF Kynar Flow Indicator Flow Switch Version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow indicator / flow switch applications.

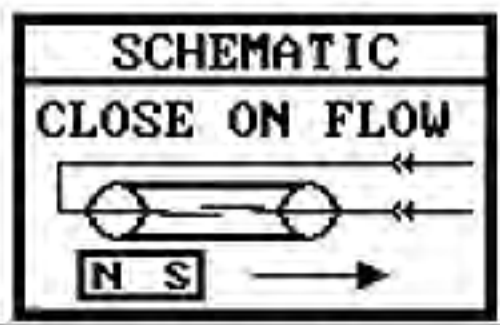
INDICATOR FLOW SWITCH SET

5-19---.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



- 5-19--- SET COMPONENTS
- 5-20--- FLOW SWITCH
- 5-17--- INDICATOR TRIM



RoHS COMPLIANT

ERECTA™

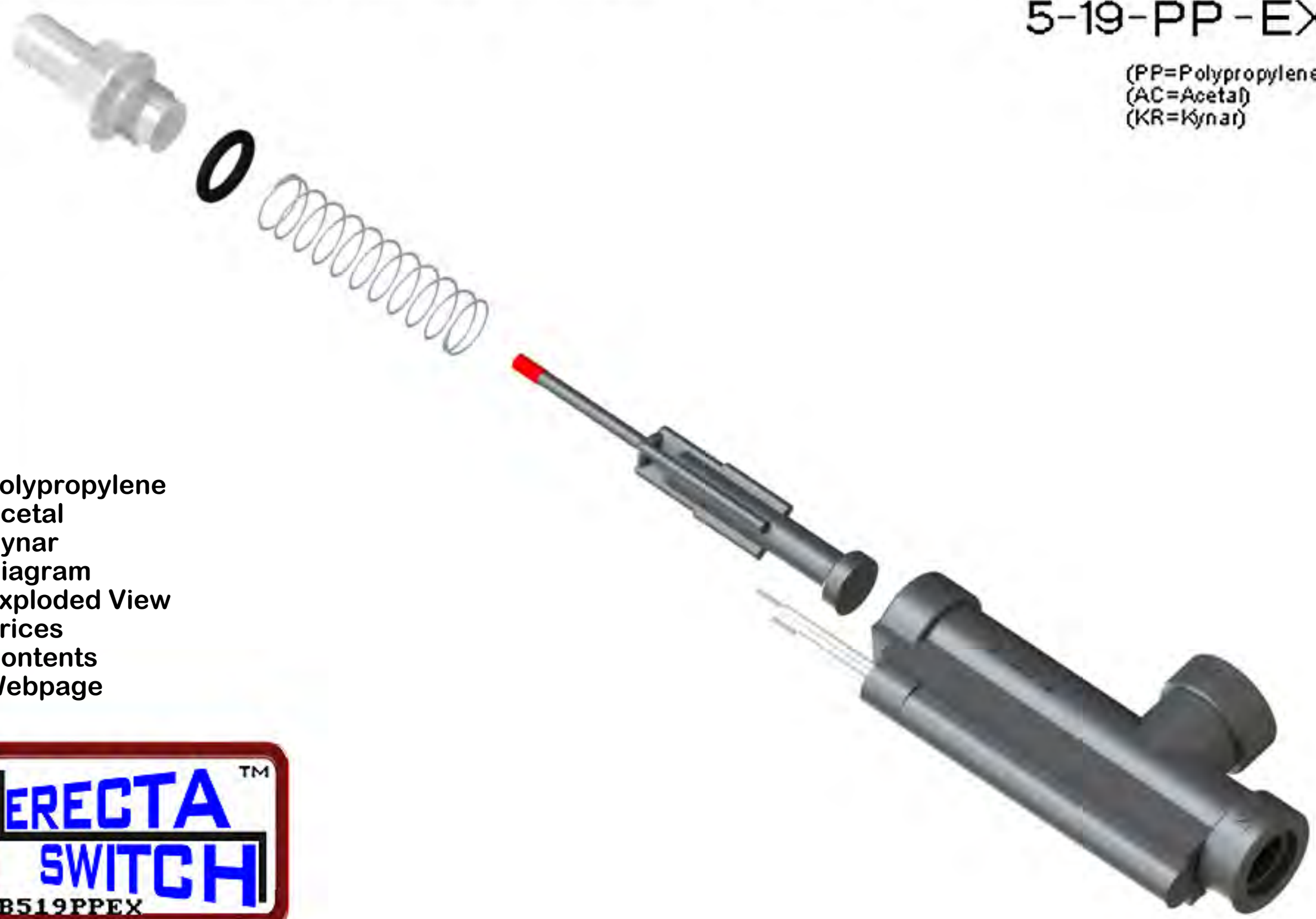
SWITCH

E519AS

INDICATOR FLOW SWITCH SET

5-19-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



- Polypropylene
- Acetal
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LOW FLOW SWITCH SET

5-20-LF-PP

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The 5-20-LF Low Flow Switch Set converts the 5-20 angle body flow switch to an ultra-low flow sensor. With the spring the 5-20-LF low-flow flow switch set actuates at .042 gpm. Remove the spring and mount the flow switch set vertically (inflow port down) and the 5-20-LF actuates at an incredible .008 gpm.



The set comes with a 5-20 flow switch, replacement Low Flow poppet, clean out port and a low flow orifice which is inserted into the inflow port and held in place by one of 4 available accessory fittings.



Like the 5-20 angle body flow switch, the 5-20-LF clean out port allows removal of spring and poppet without removal of the flow switch from your line.



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RoHS Compliant



Polypropylene flow switch version is suitable for water, soaps, light acids flow sensor applications.

LOW FLOW SWITCH SET

5-20-LF-AC

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The 5-20-LF Low Flow Switch Set converts the 5-20 angle body flow switch to an ultra-low flow sensor. With the spring the 5-20-LF low-flow flow switch set actuates at .042 gpm. Remove the spring and mount the flow switch set vertically (inflow port down) and the 5-20-LF actuates at an incredible .008 gpm.



The set comes with a 5-20 flow switch, replacement Low Flow poppet, clean out port and a low flow orifice which is inserted into the inflow port and held in place by one of 4 available accessory fittings.



Like the 5-20 angle body flow switch, the 5-20-LF clean out port allows removal of spring and poppet without removal of the flow switch from your line.



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RoHS Compliant



Acetal Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

LOW FLOW SWITCH SET

5-20-LF-KR

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

The 5-20-LF Low Flow Switch Set converts the 5-20 angle body flow switch to an ultra-low flow sensor. With the spring the 5-20-LF low-flow flow switch set actuates at .042 gpm. Remove the spring and mount the flow switch set vertically (inflow port down) and the 5-20-LF actuates at an incredible .008 gpm.



The set comes with a 5-20 flow switch, replacement Low Flow poppet, clean out port and a low flow orifice which is inserted into the inflow port and held in place by one of 4 available accessory fittings.



Like the 5-20 angle body flow switch, the 5-20-LF clean out port allows removal of spring and poppet without removal of the flow switch from your line.



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RoHS Compliant

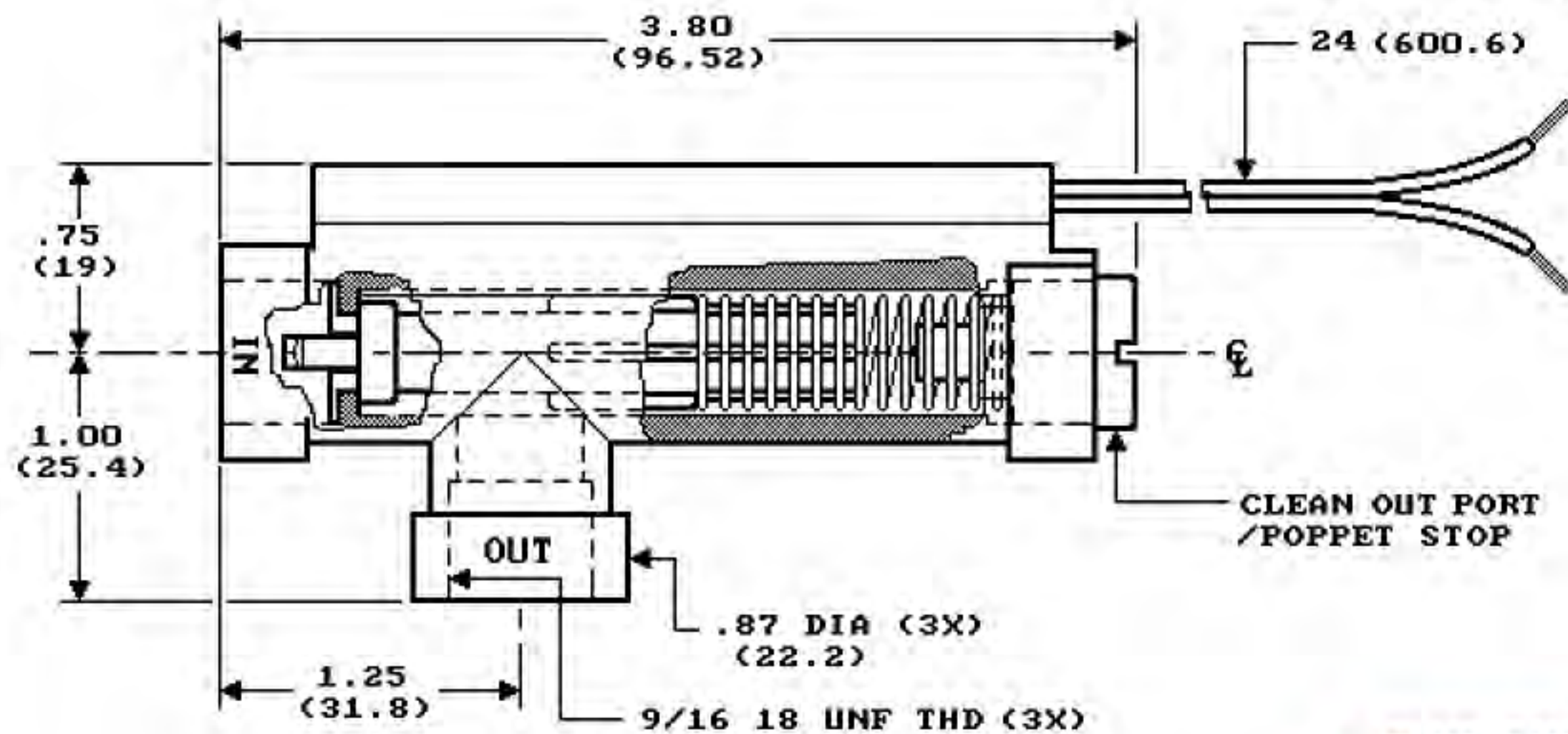


The PVDF Kynar flow switch Version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

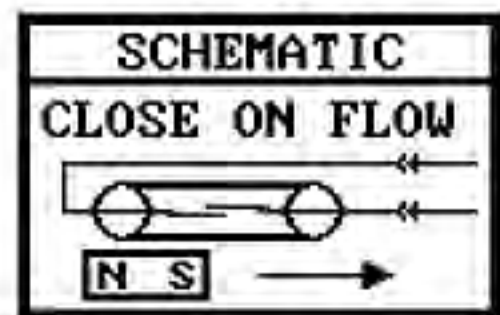
LOW FLOW SWITCH SET

5-20-LF-

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



5-20- <input type="checkbox"/> <input type="checkbox"/> -LF SET COMPONENTS
5-20- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> FLOW SWITCH
5-20-LFT- <input type="checkbox"/> <input type="checkbox"/> LF TRIM



RoHS COMPLIANT

ERECTA™

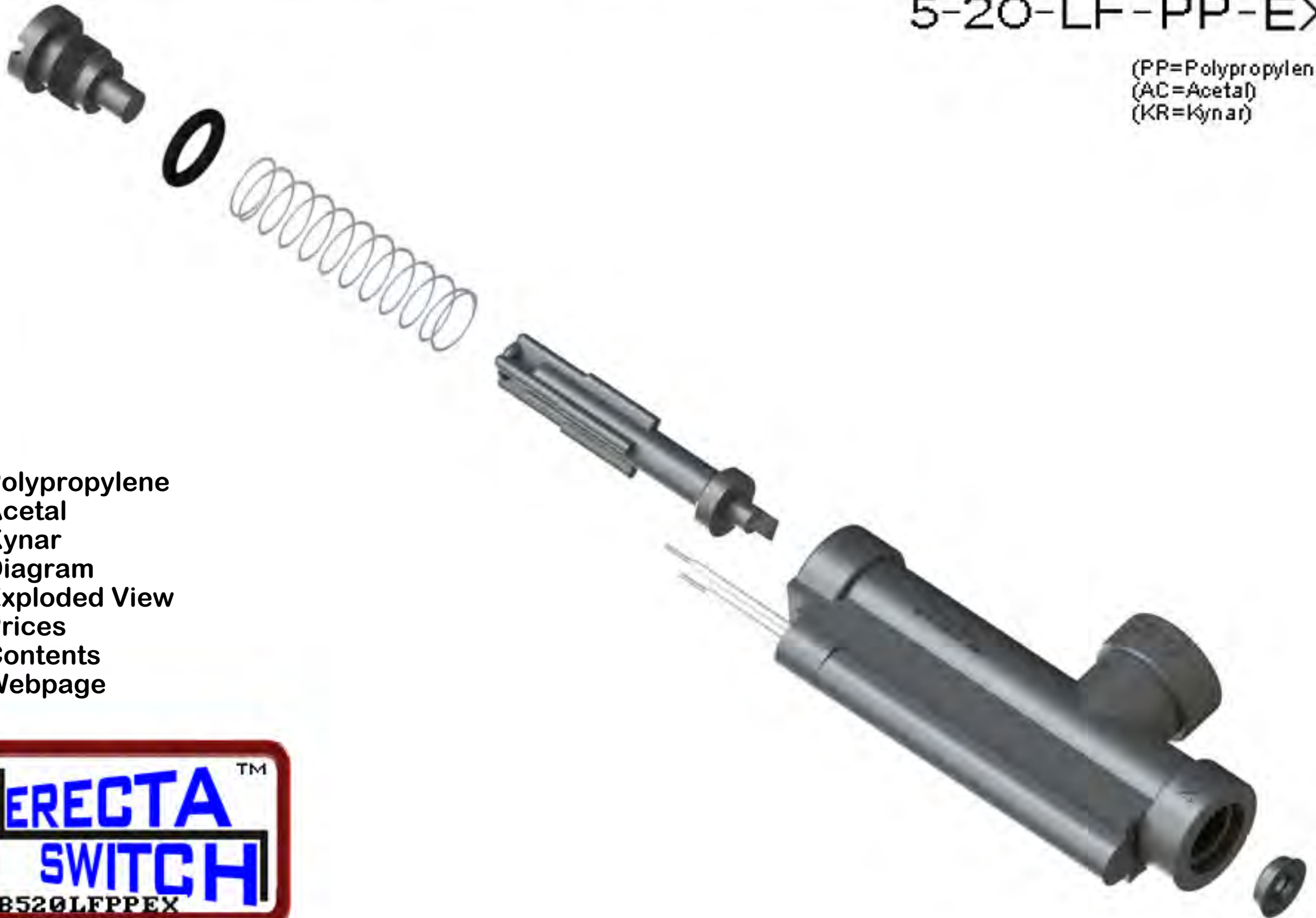
SWITCH

E520LFAS

LOW FLOW SWITCH SET

5-20-LF-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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WIRE RECEIPT FLOW SWITCH SET

The innovative 5-30 Wire Receptacle Flow Switch Set adds a weather tight wire receptacle to the 5-20 angle body flow switch. The flow switch set's receptacle cap features a 1/2" center knock out to accommodate any connector or fitting with 1/2 threads and jam nut.

5-30-PP-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

Flow switch receptacle allows access to the clean out port facilitating removal of flow switch spring and poppet without removing flow switch from line.



5-30 flow switch sets are available in 5 preset factory set flow sensor points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow switch set vertically without the spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings.

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RoHS Compliant



Polypropylene flow switch version is suitable for water, soaps, light acid flow sensor applications.

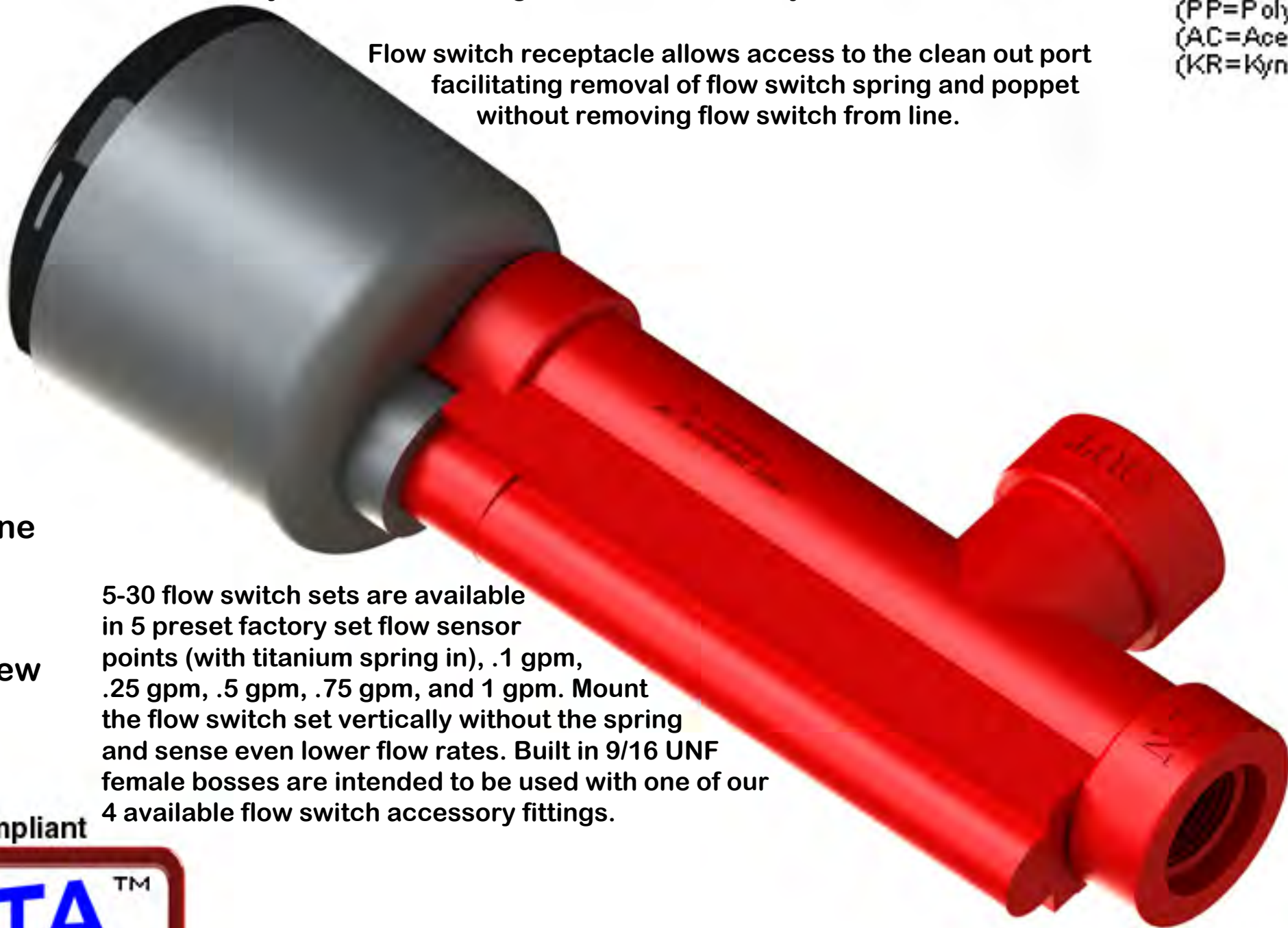
WIRE RECEIPT FLOW SWITCH SET

The innovative 5-30 Wire Receptacle Flow Switch Set adds a weather tight wire receptacle to the 5-20 angle body flow switch. The flow switch set's receptacle cap features a 1/2" center knock out to accommodate any connector or fitting with 1/2 threads and jam nut.

5-30-AC-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

Flow switch receptacle allows access to the clean out port facilitating removal of flow switch spring and poppet without removing flow switch from line.



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5-30 flow switch sets are available in 5 preset factory set flow sensor points (with titanium spring in), .1 gpm, .25 gpm, .5 gpm, .75 gpm, and 1 gpm. Mount the flow switch set vertically without the spring and sense even lower flow rates. Built in 9/16 UNF female bosses are intended to be used with one of our 4 available flow switch accessory fittings.

RoHS Compliant



Acetal flow switch version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

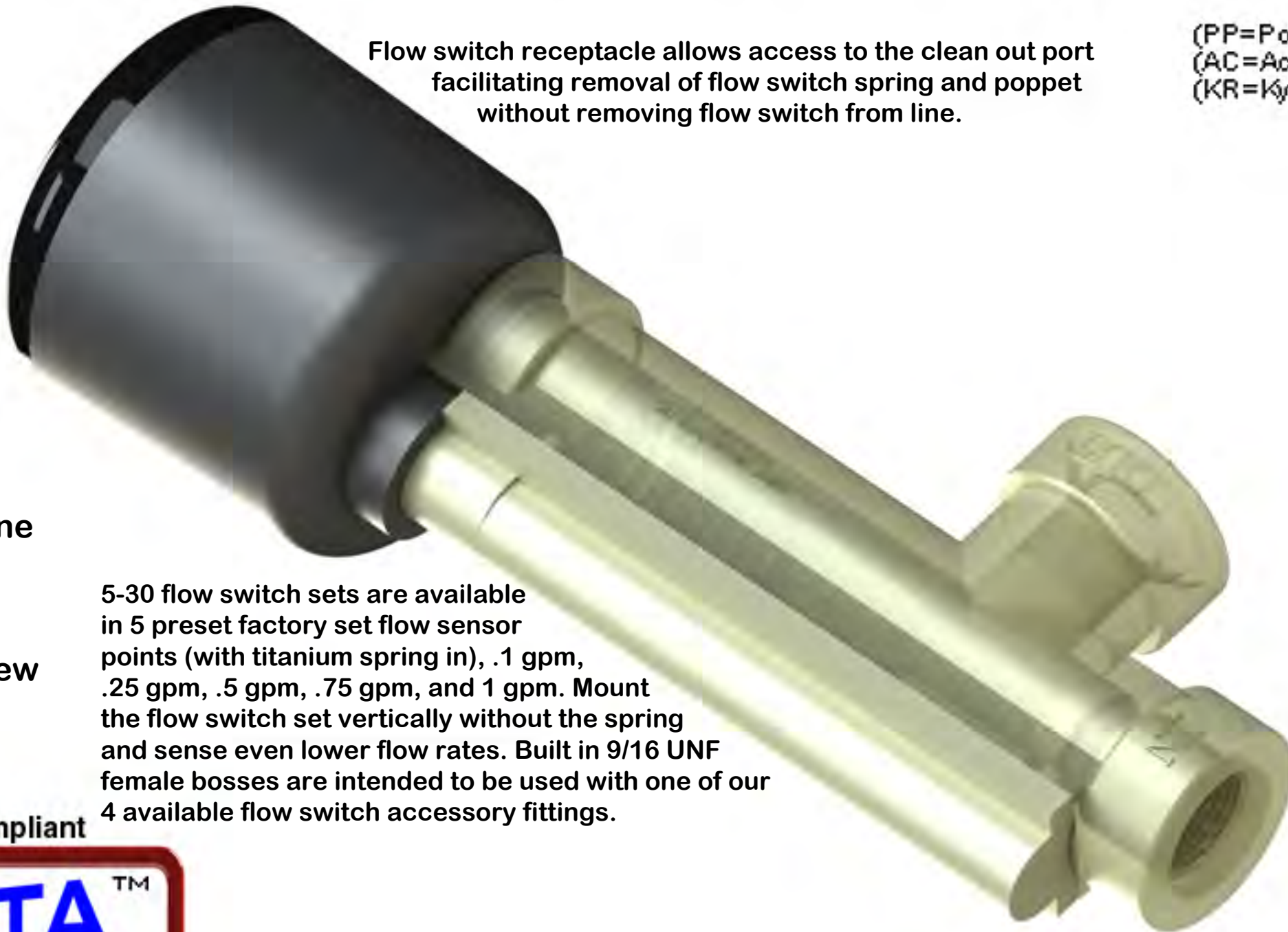
WIRE RECEIPT FLOW SWITCH SET

The innovative 5-30 Wire Receptacle Flow Switch Set adds a weather tight wire receptacle to the 5-20 angle body flow switch. The flow switch set's receptacle cap features a 1/2" center knock out to accommodate any connector or fitting with 1/2 threads and jam nut.

5-30-KR-□.□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

Flow switch receptacle allows access to the clean out port facilitating removal of flow switch spring and poppet without removing flow switch from line.



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RoHS Compliant

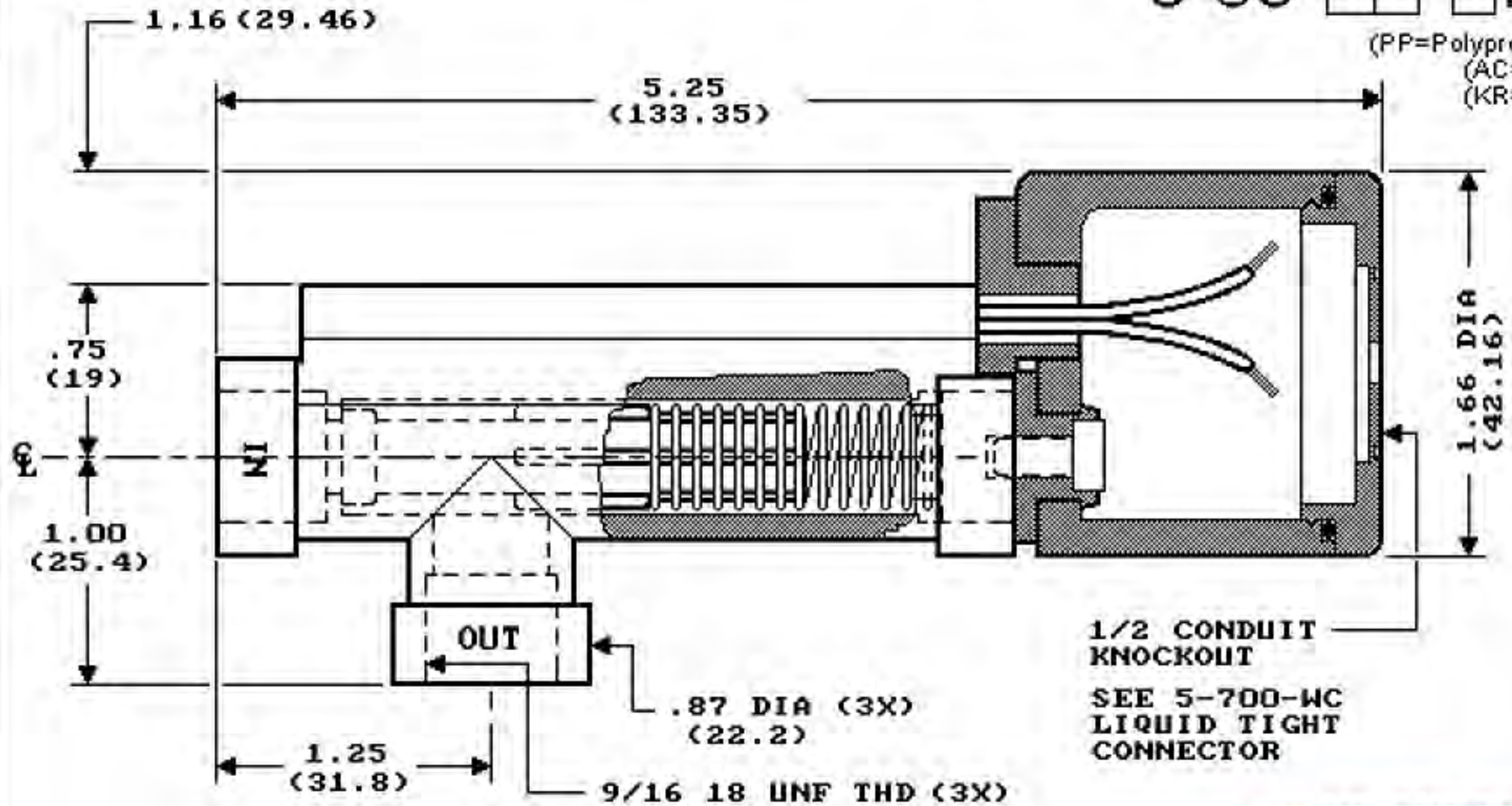


The PVDF Kynar flow switch version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

WIRE RECEIPT FLOW SWITCH SET

5-30--

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



1/2 CONDUIT
KNOCKOUT
SEE 5-700-WC
LIQUID TIGHT
CONNECTOR

- 5-30-- SET COMPONENTS
- 5-20-- FLOW SWITCH
- 5-703-RR-PP RECEPTACLE

NOTE: ACCESS FOR CLEAN OUT
REQUIRES DISCONNECTING
WIRING AND REMOVING
RECEPTACLE.

RoHS COMPLIANT



WIRE RECEIPT FLOW SWITCH SET

5-30-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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FLOW SWITCH ACCESSORY FITTINGS

5-PP Flow Switch Accessory Fittings adapt ERECTA SWITCH flow switches and indicators to 4 available threads. 1/4 NPT Female, 1/8th NPT Female, 1/2 NPT Male, and 1/2 Hose Barb.

They are intended for use with 5-20 angle body flow switches, 5-20-LF low flow switch sets, 5-21 straight body flow switches, 5-18 Flow indicators, 5-19 flow indicator/switch sets, and 5-30 Receptacle flow switch sets. Fittings seal on flow switches with Viton o ring.

5-PP-1/□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



Polypropylene fittings is suitable for water, soaps , light acids.

FLOW SWITCH ACCESSORY FITTINGS

5-AC Flow Switch Accessory Fittings adapt ERECTA SWITCH flow switches and indicators to 4 available threads. 1/4 NPT Female, 1/8th NPT Female, 1/2 NPT Male, and 1/2 Hose Barb.

They are intended for use with 5-20 angle body flow switches, 5-20-LF low flow switch sets, 5-21 straight body flow switches, 5-18 Flow indicators, 5-19 flow indicator/switch sets, and 5-30 Receptacle flow switch sets. Fittings seal on flow switches with Viton o ring.

5-AC-1/

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



Acetal fittings is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil.

FLOW SWITCH ACCESSORY FITTINGS

5-KR Flow Switch Accessory Fittings adapt ERECTA SWITCH flow switches and indicators to 4 available threads. 1/4 NPT Female, 1/8th NPT Female, 1/2 NPT Male, and 1/2 Hose Barb.

They are intended for use with 5-20 angle body flow switches, 5-20-LF low flow switch sets, 5-21 straight body flow switches, 5-18 Flow indicators, 5-19 flow indicator/switch sets, and 5-30 Receptacle flow switch sets. Fittings seal on flow switches with Viton o ring.

5-KR-1/□□

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

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RoHS Compliant



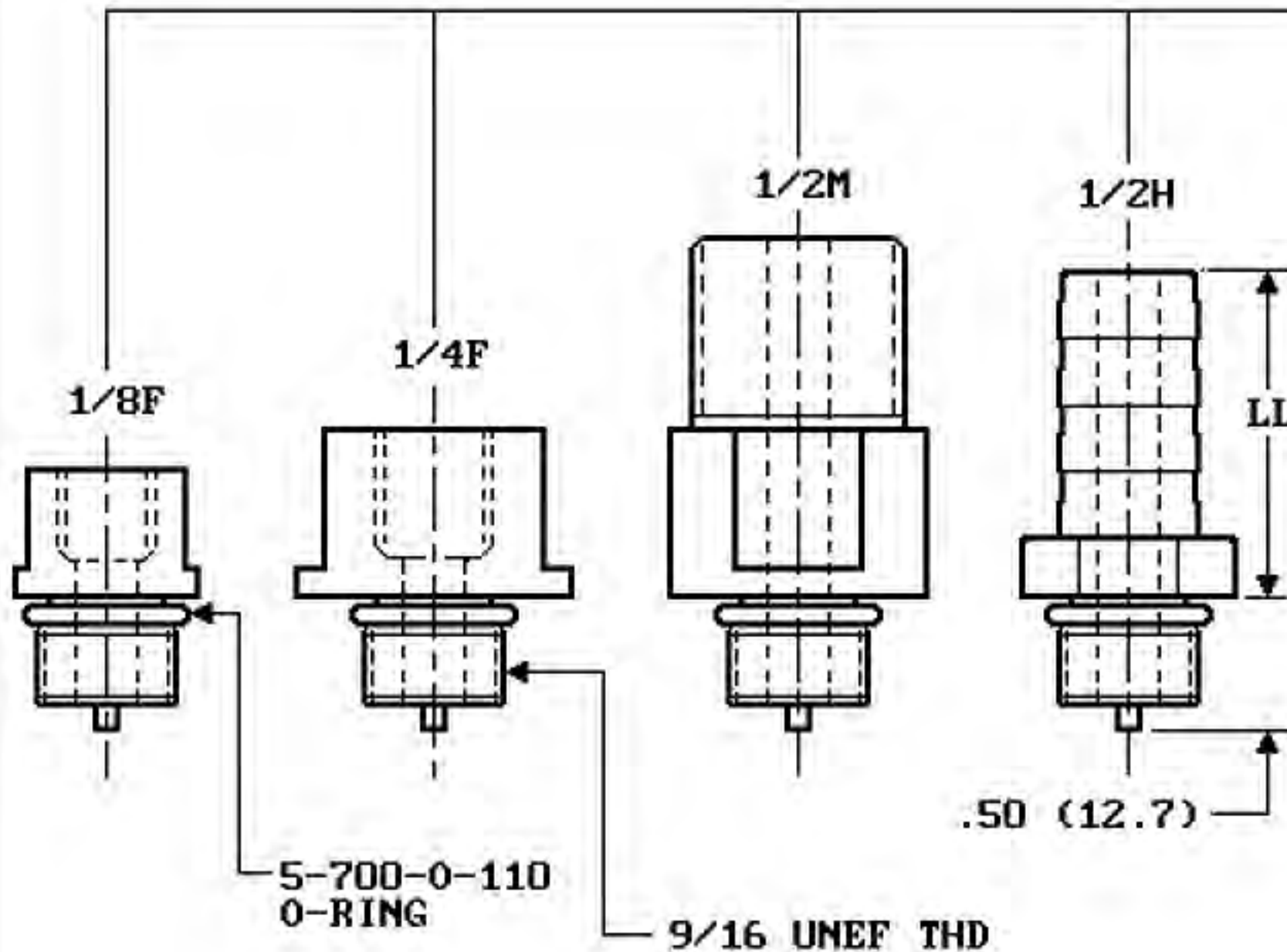
The PVDF Kynar version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical applications.



FLOW SWITCH ACCESSORY FITTINGS

5--1/

STYLE

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)

LL DIMENSION

Fitting/flow switch seal occurs at O-ring. Isolate torque applied to tapered pipe threads during installation to avoid fitting breakage.

STYLE	LL
1/8F	.50 (12.7)
1/4F	.625 (15.9)
1/2M	1.37 (34.9)
1/2H	1.25 (31.8)

RoHS COMPLIANT



FLOW SWITCH ACCESSORY FITTINGS

5-PP-EX

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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LOW FLOW TRIM

5-20-LFT-PP

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant

ERECTA
SWITCH
 B5LFTPP

5-20-LFT Low Flow Switch Trim Set converts the 5-20 angle body flow switch to the ultra low flow 5-20-LF flow switch set. When you need to sense very low flow rates at a very low price this flow switch combination will do the job. When used in combination with the 5-20 flow switch titanium spring, this flow sensor combination actuates at .042 gpm. Omit the flow switch spring and mount vertically (in flow port down) and the flow switch actuation point is an incredibly low .008 gpm.

Polypropylene flow switch version is suitable for water, soaps, light acids flow sensor applications.

LOW FLOW TRIM

5-20-LFT-AC

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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5-20-LFT Low Flow Switch Trim Set converts the 5-20 angle body flow switch to the ultra low flow 5-20-LF flow switch set. When you need to sense very low flow rates at a very low price this flow switch combination will do the job. When used in combination with the 5-20 flow switch titanium spring, this flow sensor combination actuates at .042 gpm. Omit the flow switch spring and mount vertically (in flow port down) and the flow switch actuation point is an incredibly low .008 gpm.

Acetal Flow Switch Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

LOW FLOW TRIM

5-20-LFT-KR

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



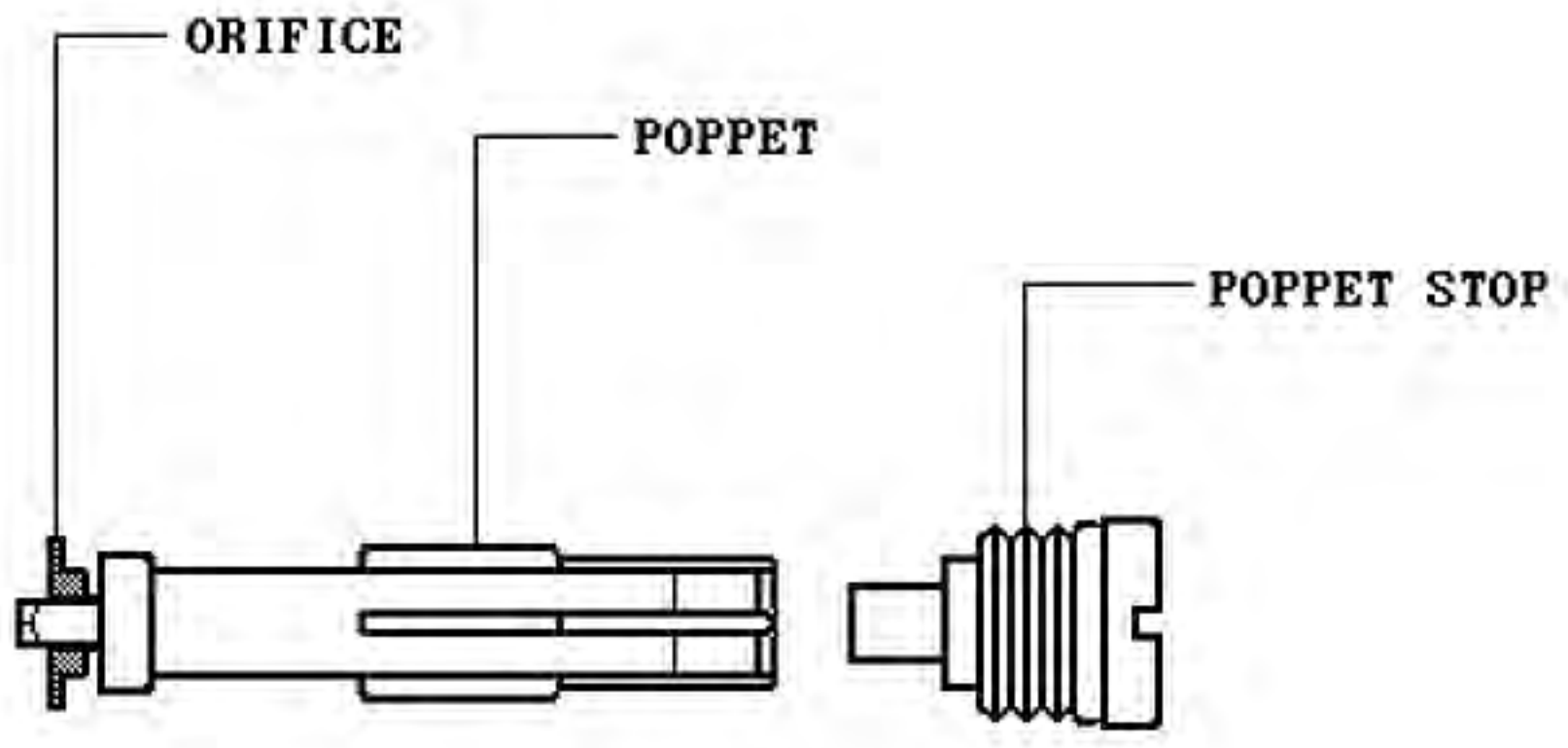
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The PVDF Kynar flow switch Version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

LOW FLOW TRIM

5-20-LFT-

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



RoHS COMPLIANT



POPPET

5-16-PP-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



5-16 Flow Switch Replacement Poppets (Polypropylene) allow OEMs to increase or decrease flow switch sensitivity. Replacement Flow Switch poppets are available in .1 gpm, .25gpm, .50 gpm, .75gpm, and 1 gpm set points.

Polypropylene version is suitable for water, soaps, light acids flow sensor applications.

POPPET

5-16-AC-.

(PF=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



5-16 Flow Switch Replacement Poppets (Polypropylene) allow OEMs to increase or decrease flow switch sensitivity. Replacement Flow Switch poppets are available in .1 gpm, .25gpm, .50 gpm, .75gpm, and 1 gpm set points.

Acetal Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

POPPET

5-16-KR - .

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



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RoHS Compliant



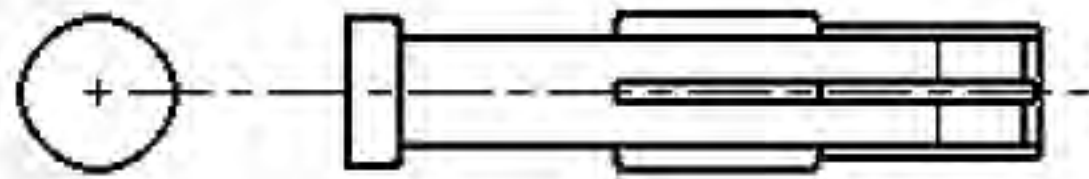
5-16 Flow Switch Replacement Poppets (Polypropylene) allow OEMs to increase or decrease flow switch sensitivity. Replacement Flow Switch poppets are available in .1 gpm, .25gpm, .50 gpm, .75gpm, and 1 gpm set points.

The PVDF Kynar Version is suitable for harsh acids, caustics, chlorine and other highly corrosive chemical flow sensor applications.

POPPET

5-16--.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



RoHS COMPLIANT



INDICATOR TRIM

5-17-PP-.

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



- Polypropylene
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RoHS Compliant



5-17 Flow indicator / Switch Replacement Poppets enhances the 5-20 angle body Flow switch by adding a visual flow indicator feature. Polysulfone Flow indicator window let's you visually verify flow indicator status and flow switch operation. Replacement Flow Switch poppets are available in .1 gpm, .25gpm, .50 gpm, .75gpm, and 1 gpm set points.

Polypropylene version is suitable for water, soaps, light acids flow sensor applications.

INDICATOR TRIM

5-17-AC-.

(PP=Polypropylene)
 (AC=Acetal)
 (KR=Kynar)



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RoHS Compliant



5-17 Flow indicator / Switch Replacement Poppets enhances the 5-20 angle body Flow switch by adding a visual flow indicator feature. Polysulfone Flow indicator window let's you visually verify flow indicator status and flow switch operation. Replacement Flow Switch poppets are available in .1 gpm, .25gpm, .50 gpm, .75gpm, and 1 gpm set points.

Acetal Version is suitable for hydrocarbon applications such as gasoline, hydraulic oil, diesel fuel, and clean motor oil flow sensor applications.

INDICATOR TRIM

5-17-KR - .

(PP=Polypropylene)
(AC=Acetal)
(KR=Kynar)



- Polypropylene
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RoHS Compliant

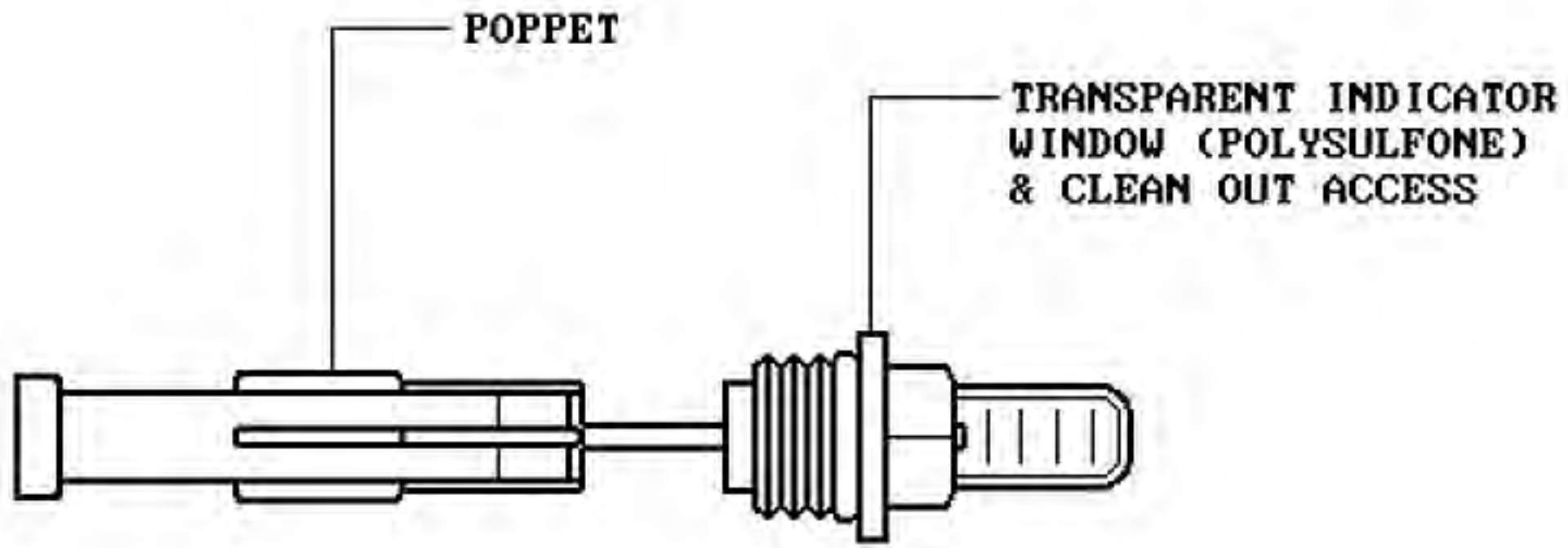


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INDICATOR TRIM

5-17--.



RoHS COMPLIANT

