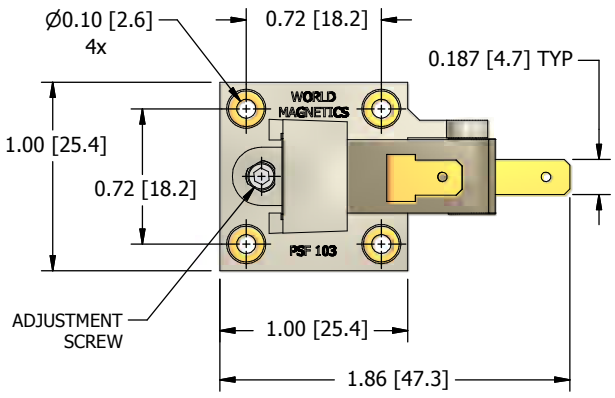
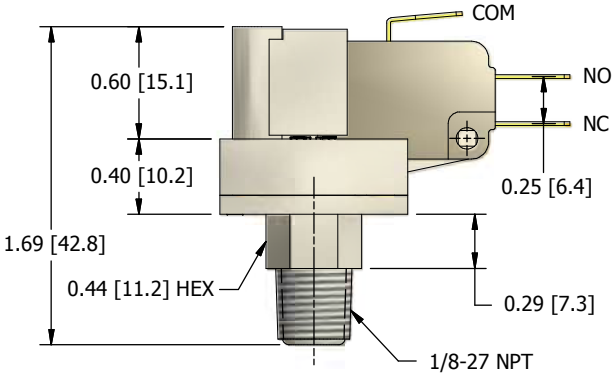


E41523 Made in USA RoHS

MODEL 906X-XXX SHOWN







FEATURES / BENEFITS

- Field adjustable pressure set point, from 3" H_2O to 60 psi
- Snap action basic switch, up to 25A*, 125/250 VAC
  *Not available on all ranges
- Many standard pressure ports and mounting options
- Custom design and engineering available
- Small size, lightweight, low cost
- Dependable long life (10+ million cycles)

DesignFLEX

SPECIFICATIONS

MECHANICAL	
Standard Tolerance	±20% (Tighter tolerances available)
Switch Type	SPDT (single pole / double throw) normally open or normally closed
Switching Medium	Air; compatible fluids
Mechanical Life	More than 10 million cycles
Maximum Operating Pressure	Varies by option – see Adjustable Pressure Set Point Options overleaf
Operating Temp.	+40°F to +150°F (standard) | -46°F to +205°F (contact us)
PHYSICAL	
Case Material	Polycarbonate (optional: Lexan 141, Ryton®, Ultem®, Noryl®) 905 — 906 range use PPS wetted parts
Pressure Port Options	Many standard ports — see Pressure Port / Cover Options overleaf
Diaphragm Material	Polyurethane (Teflon® optional with limited pressure ranges) other options available
Contact Points	Silver (Gold available on special order)
Electrical Connections	Terminals – .187"x.020" tab-type for use with quick disconnects (ref. AMP #2-520182-2 or equivalent) .250" available — contact us
Mounting	#4 Screws through mounting lugs; #2 Screws through eyelets
Weight	Less than 20 grams
ELECTRICAL	
Current Rating	Varies by option – see Adjustable Pressure Set Point Options overleaf
Operating Voltage	See Adjustable Pressure Set Point Options overleaf

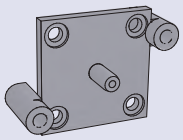
DESIGNFLEX™ STANDARD OPTIONS — Choose from our standard PSF103 options as shown below or contact our vertically integrated in-house design and engineering team for special features and unique application needs. Sample switch available by request.

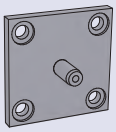
ADJUSTABLE PRESSURE SET POINT OPTIONS

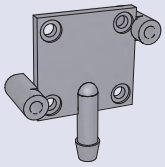
	010*	020*	902	903	904	905	906
In H_2O	0.5 to 2.0	1.5 to 2.5	3 to 10	10 to 28	28 to 111	111 to 416	416 to 1664
mbar	1.2 to 5.0	5.0	7.5 to 25	25 to 69	69 to 276	276 to 1036	1036 to 4144
psi	0.018 to.072	0.072	0.11 to 0.4	0.4 to 1.0	1.0 to 4.0	4.0 to 15	15.0 to 60.0
Max. Operating Pressure (PUR)	30psi	30psi	30psi	30psi	30psi	70psi	70psi
Max. Operating Pressure (Teflon®)	15psi	15psi	15psi	30psi	30psi	30psi	30psi
Electrical 125/250 VAC Resitive Load	3A	3A	3A	10A	15A	15A	15A

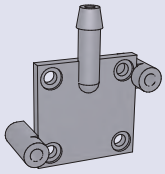
*Non adjustable

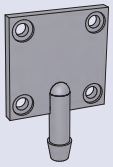
PRESSURE PORT/COVER OPTIONS

00 
Smooth Port .156" diameter for 1/8" ID tubing w/mtg. lugs

01 
Smooth Port .156" diameter for 1/8" ID tubing w/o mtg. lugs

02 
Barbed Port for 3/16" ID tubing on terminals side w/mtg. lugs

03 
Barbed Port for 3/16" ID tubing opposite terminals w/mtg. lugs

04 
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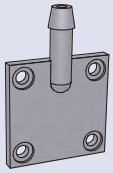
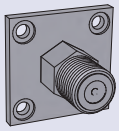
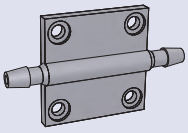
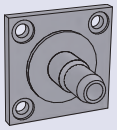
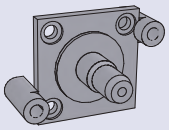
05 
Barbed Port for 3/16" ID tubing opposite terminals w/o mtg. lugs

06 
1/8" NPT Port

07 
Flo-Thru Barbed Port for 1/8" ID tubing w/o mtg. lugs

08 
Smooth Port .250" diameter for 7/32" ID tubing w/o mtg. lugs

09 
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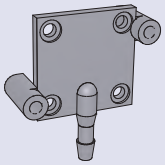
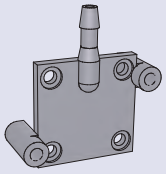
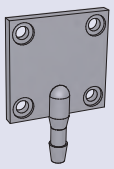
10 
Barbed Port for 1/8" ID tubing on terminals side w/mtg. lugs

11 
Barbed Port for 1/8" ID tubing opposite terminals w/mtg. lugs

12 
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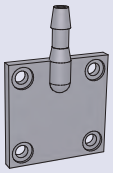
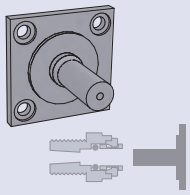
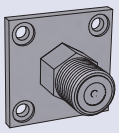
13 
Barbed Port for 1/8" ID tubing opposite terminals w/o mtg. lugs

14 
1/4" Port for Quick Connect Fitting

15 
M8 x 1.25 Port



Diaphragm Options

1 Polyurethane (standard)

2 Teflon (optional)

OTHER / CUSTOM PORTING AND MOUNTING OPTIONS AVAILABLE

Model Design Guide

For building standard model order number

PSF103 Series Number	Pressure Port/Cover Option Number	Diaphragm Option Number	Three Digit Pressure Set Point Option Number			
9			—			