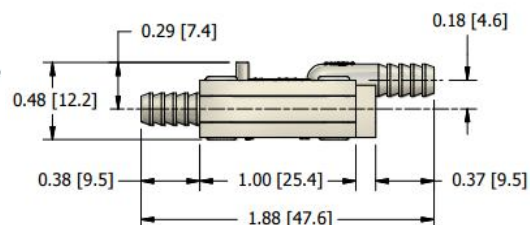
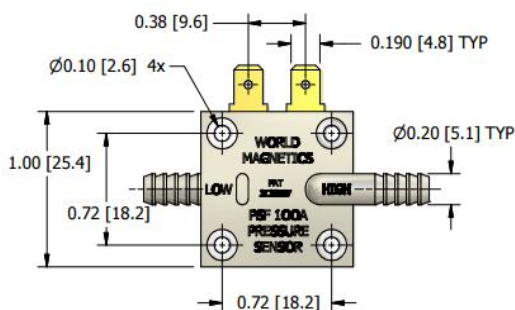


Pressure Switch 压力开关

PSF100A series/ PSF100A 系列



Switch Type/开关类型	SPST normally open double-make / double-break SPST 常开, 双闭合/ 双断
Max Operating Pressure/最大作业压力	8psi: for units where set point is 3.0" H2O or less 15psi: for units where set point is greater than 3.0" H2O 4psi: for units with Teflon® diaphragm of 0.5" H2O or less 8psi: for units with Teflon® diaphragm greater than 0.5" H2O
Operating Temp/作业温度	+40°F to +150°F (Standard/标准型) ; -46°F to +205°F (Special/特殊型)
Diaphragm Material/膜片材质	Polyurethane / Teflon® *其它材质请联系我们司
Current Rating/额定电流	Up to 40mA resistive
Operating Voltage/工作电压	AC/DC – 30V or less with resistive load; 120 VAC neon lamp load AC/DC 30V或更小的阻性负载 ; 120 VAC 氛灯负载

Order information/ 订购信息

Set Point/设定点

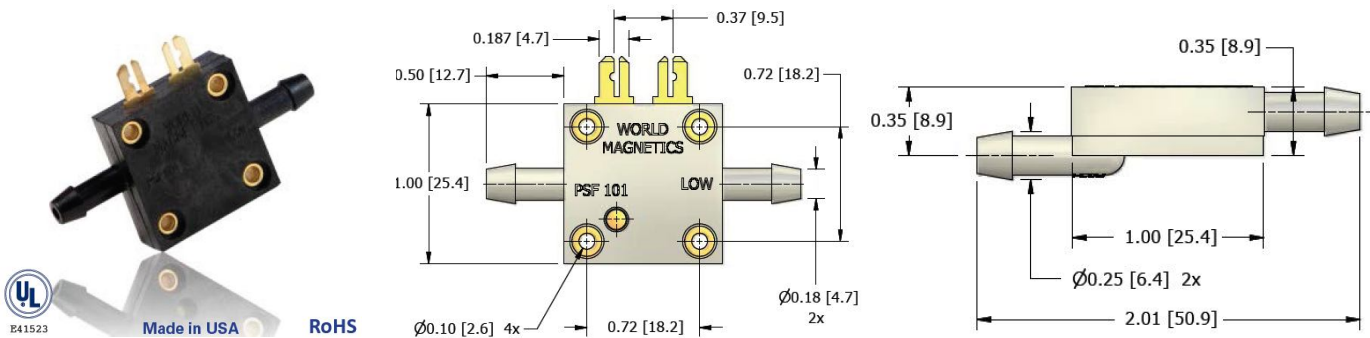
	0.5	1.0	1.5	2.0	3.0	4.0	6.0	8.0	10.0	12.0	15.0	20.0	30.0	40.0	50.0
In. H2O	0.1 - 0.5	1.0	1.5	2.0	3.0	4.0	6.0	8.0	10.0	12.0	15.0	20.0	30.0	40.0	50.0
mbar	0.25 - 1.25	2.49	3.73	4.98	7.47	9.96	14.95	19.92	24.91	29.91	37.36	49.76	74.73	99.63	124.59
psi	0.004 - 0.018	0.036	0.054	0.072	0.108	0.144	0.217	0.289	0.361	0.433	0.541	0.722	1.083	1.444	1.804

*NOTE: For TEFLON® diaphragm add "T" to set point

Pressure Switch 压力开关



PSF101 series/ PSF101 系列



Switch Type/开关类型	SPST normally open/SPST常开 Vacuum,Differential Pressure switch /真空,差压开关
Set Point Range/设定值范围	0.1"~50" H2O
Operating Temp/作业温度	+40°F to +150°F (Standard/标准型) ; -46°F to +205°F (Special/特殊型)
Diaphragm Material/膜片材质	PU ; Teflon® *其它材质请联系我司
Current Rating/额定电流	40mA
Operating Voltage/工作电压	AC/DC – 30V or less with resistive load; 120 VAC neon lamp load AC/DC 30V或更小的阻性负载 ; 120 VAC 氖灯负载

Order information/ 订购信息

Series no/
系列代号

Low Port/
低压端口

High Port/
高压端口

Diaphragm/
膜片

Digit Set Point/
设定点

PSF101

8

X

X

x

XXX

Diaphragm/膜片

1

PU

2

Teflon®

Set Point/设定点

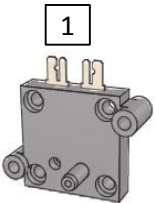
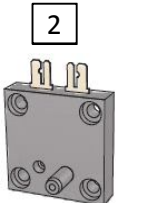
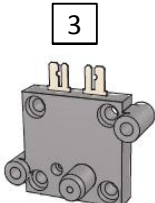
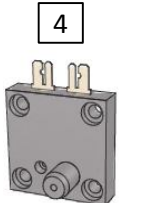
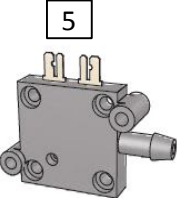
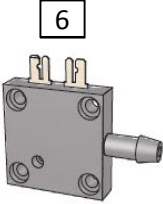
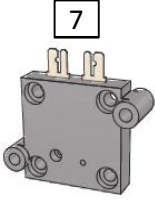
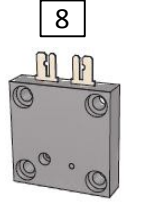
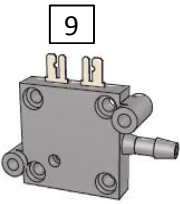
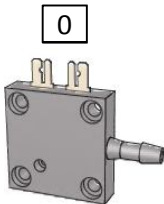
	005	010	015	020	030	040	060	080	100	120	150	200	300	400	500
In. H2O	0.1 - 0.5	1.0	1.5	2.0	3.0	4.0	6.0	8.0	10.0	12.0	15.0	20.0	30.0	40.0	50.0
mbar	0.25 - 1.25	2.49	3.73	4.98	7.47	9.96	14.95	19.92	24.91	29.91	37.36	49.76	74.73	99.63	124.59
psi	0.004 -0.018	0.036	0.054	0.072	0.108	0.144	0.217	0.289	0.361	0.433	0.541	0.722	1.083	1.444	1.804

Pressure Switch 压力开关

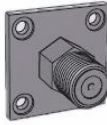
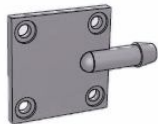
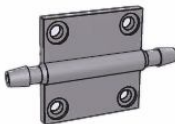
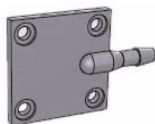
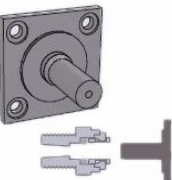


PSF101 series/ PSF101 系列

Low Port/低压端口

 1 Smooth Port .156" diameter for 1/8" ID tubing w/mtg. lugs	 2 Smooth Port .156" diameter for 1/8" ID tubing w/o mtg. lugs	 3 Smooth Port .250" diameter for 7/32" ID tubing w/mtg. lugs	 4 Smooth Port .250" diameter for 7/32" ID tubing w/o mtg. lugs
 5 Barbed Port for 3/16" ID tubing w/mtg. lugs	 6 Barbed Port for 3/16" ID tubing w/o mtg. lugs	 7 No Port (.060" vent hole) w/mtg. lugs	 8 No Port (.060" vent hole) w/o mtg. lugs
 9 Barbed Port for 1/8" ID tubing w/mtg. lugs	 0 Barbed Port for 1/8" ID tubing w/o mtg. lugs		

High Port/高压端口

 1 Smooth Port .156" diameter for 1/8" ID tubing	 2 Smooth Port .187" diameter for 5/32" ID tubing	 3 Smooth Port .250" diameter for 7/32" ID tubing	 4 1/8" NPT Port
 5 Barbed Port for 3/16" ID tubing	 6 No Port (.060" vent hole)	 7 Flow-Thru Barbed Port for 3/16" ID tubing	 8 Barbed Port for 1/8" ID tubing
 9 1/4" Port for Quick Connect Fitting			

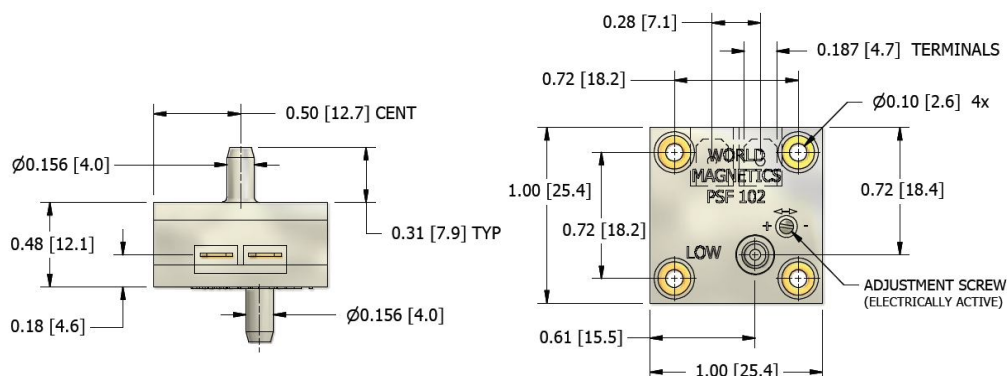
Pressure Switch 压力开关



PSF102 series/ PSF102 系列



RoHS



Switch Type/开关类型	SPST (single pole / single throw) normally open/SPST(单刀单掷) 常开 Vacuum,Differential Pressure switch /真空,差压开关
Set Point Range/设定值范围	0.03"~692" H2O
Operating Temp/作业温度	+40°F to +150°F (Standard/标准型) ; -46°F to +205°F (Special/特殊型) +50° - 86°F (PSF102 700系列)
Diaphragm Material/膜片材质	PU ; Teflon® *其它材质请联系我司
Current Rating/额定电流	40mA
Operating Voltage/工作电压	AC/DC – 30V or less with resistive load; 120 VAC neon lamp load AC/DC 30V或更小的阻性负载 ; 120 VAC 氛灯负载

Order information/ 订购信息

Series no/ 系列代号	Low Port/ 低压端口	High Port/ 高压端口	Diaphragm/ 膜片	Digit Set Point/ 设定点
PSF102	7	X	X	X X X

Diaphragm/膜片

1	PU
2	Teflon®

Set Point/设定点

	700	710	711	712	713	723	714
In. H2O	0.03 to 0.1	0.1 to 0.5	0.5 to 2.0	2.0 to 15.0	15.0 to 60.0	60.0 to 100.0	100.0 to 692.0
mbar	0.07 to 0.25	0.25 to 1.25	1.25 to 4.98	4.98 to 37.36	37.36 to 149.5	149.5 to 249.0	249.0 to 1723.5
psi	0.001 to 0.004	0.004 to 0.018	0.018 to 0.072	0.072 to 0.542	0.542 to 2.17	2.17 to 3.61	3.61 to 25.0
Max Operating Pressure/ 最大工作压力	2psi	4psi	8psi	8psi	15psi	30psi	30psi
Tolerance/公差	+/- 0.03" H2O	+/- 0.1" H2O	+/- 0.2" H2O	+/- 0.5"H2O	+/- 10%	+/- 10%	+/- 10%
Diaphragm Material/膜片材质	PUR	Teflon	PUR / Teflon	PUR / Teflon	PUR / Teflon	PUR / Teflon	PUR or Teflon

Pressure Switch 压力开关



PSF102 series/ PSF102 系列

Low Port/低压端口

Smooth Port .156" diameter for 1/8" ID tubing w/mtg. lugs	Smooth Port .156" diameter for 1/8" ID tubing w/o mtg. lugs	No Port (.060" vent hole) w/mtg. lugs	No Port (.060" vent hole) w/o mtg. lugs
Barbed Port for 3/16" ID tubing w/mtg. lugs	Barbed Port for 3/16" ID tubing w/o mtg. lugs	Barbed Port for 1/8" ID tubing w/mtg. lugs	Barbed Port for 1/8" ID tubing w/o mtg. lugs

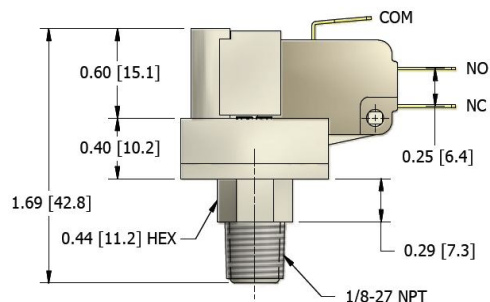
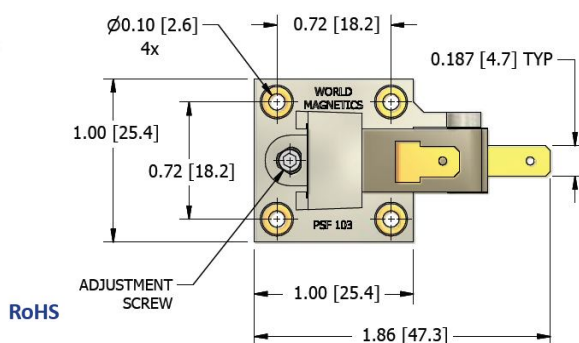
High Port/高压端口

Smooth Port .156" diameter for 1/8" ID tubing	Smooth Port .187" diameter for 5/32" ID tubing	Smooth Port .250" diameter for 7/32" ID tubing	1/8" NPT Port
Barbed Port for 3/16" ID tubing	No Port (.060" vent hole)	Flow-Thru Barbed Port for 1/8" ID tubing	Barbed Port for 1/8" ID tubing
1/4" Port for Quick Connect Fitting	M8 x 1.25 Port		

Pressure Switch 压力开关



PSF103 series/ PSF103 系列



Switch Type/开关类型	SPDT (single pole / double throw) normally open or normally closed SPDT (单刀/双掷) 常开或常闭 High Current Pressure switch /高电流开关
Set Point Range/设定值范围	0.5"~1664" H ₂ O
Operating Temp/作业温度	+40°F to +150°F (Standard/标准型) ; -46°F to +205°F (Special/特殊型)
Diaphragm Material/膜片材质	PU *其它材质请联系我司

Order information/ 订购信息

Series no/ 系列代号	Pressure Port/Cover 压力端口	Diaphragm/ 膜片	Digit Set Point/ 设定点
PSF103	9	X X	X X X

Diaphragm/膜片

1	PU
2	Teflon®

Set Point/设定点

	010*	020*	902	903	904	905	906
In. H ₂ O	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 0.072	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)/ 最大工作压力(PUR)	30psi	30psi	30psi	30psi	30psi	70psi	70psi
Max Operating Pressure (Teflon®)/ 最大工作压力(Teflon®)	15psi	15psi	15psi	30psi	30psi	30psi	30psi
Electrical 125/250 VAC Resistive Load 电气125/250 VAC阻性负载	3A	3A	3A	10A	15A	15A	15A

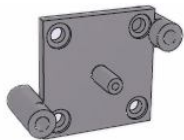
Pressure Switch 压力开关



PSF103 series/ PSF103 系列

Pressure Port/Cover 压力端口

00



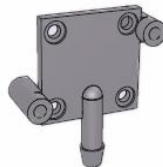
Smooth Port .156" diameter
for 1/8" ID tubing w/mtg. lugs

01



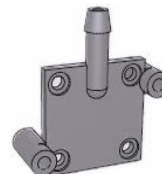
Smooth Port .156" diameter
for 1/8" ID tubing w/o mtg.

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



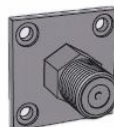
Barbed Port for 3/16" ID tubing
on terminals side w/o mtg. lugs

05



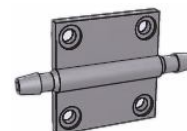
Barbed Port for 3/16" ID tubing
opposite terminals w/o mtg. lugs

06



1/8" NPT Port

07



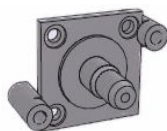
Flo-Thru Barbed Port
for 1/8" ID tubing w/o mtg.

08



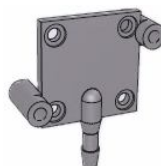
Smooth Port .250" diameter
for 7/32" ID tubing w/o mtg.

09



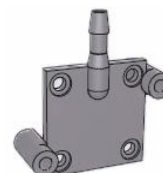
Smooth Port .250" diameter
for 7/32" ID tubing w/mtg. lugs

10



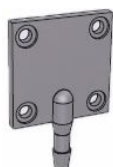
Barbed Port for 1/8" ID tubing
on terminals side w/mtg. lugs

11



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

12



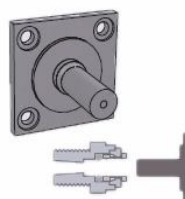
Barbed Port for 1/8" ID tubing
on terminals side w/o mtg. lugs

13



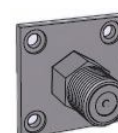
Barbed Port for 1/8" ID tubing
opposite terminals w/o mtg. lugs

14



1/4" Port
for Quick Connect Fitting

15



M8 x 1.25 Port

Pressure Switch 压力开关

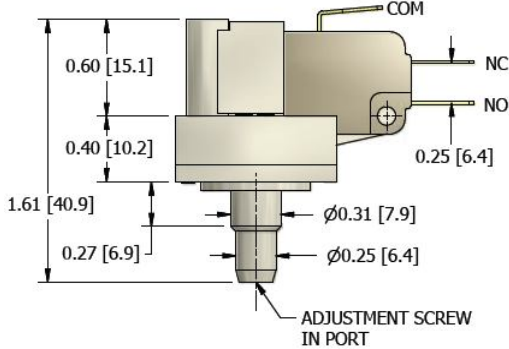
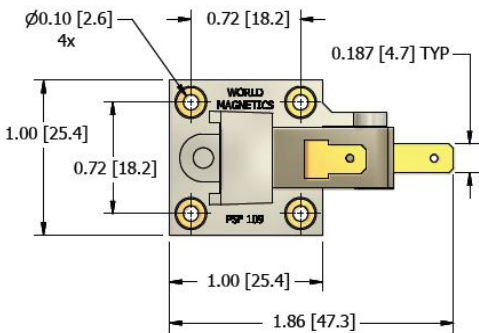


PSF109S series/ PSF109S 系列



Made in USA

RoHS



Switch Type/开关类型	SPDT normally open or normally closed/SPDT 常开或常闭 Sensing Vacuum Switch High Current /传感真空/高电流开关
Set Point Range/设定值范围	3"~330" H2O
Operating Temp/作业温度	+40°F to +150°F (Standard/标准型) ; -46°F to +205°F (Special/特殊型)
Diaphragm Material/膜片材质	PU ; Teflon® *其它材质请联系我司

Adjustable vacuum set point/Port/Electric rating options/
可调式真空设定点/端口/电动等级

	20161	20112	20623
Description/叙述	109S-3-8	109S-9-80	109S-81-330
In. Hg	0.2205 to 0.5885	0.6613 to 5.878	5.951 to 24.25
In. H2O	3 to 8	9 to 80	81 to 330
mbar	7.5 to 20	22 to 199	202 to 822
psi	0.1 to 0.30	0.30 to 2.90	2.9 to 11.9
Port Style (see drawing below) 端口型式(见下图)	A	A	A
Electrical 125/250VAC Resistive Load 电气125/250VAC阻性负载	3A	10A	15A
	20901	20890	20897
Description/叙述	109S-NPT-3-8	109S-NPT-9-80	109S-NPT-81-330
In. Hg	0.2205 to 5885	0.6613 to 5.878	5.951 to 24.25
In. H2O	3 to 8	9 to 80	81 to 330
mbar	7.5 to 20	22 to 199	202 to 822
psi	0.10 to 0.30	0.30 to 2.90	2.9 to 11.9
Port Style (see drawing below) 端口型式(见下图)	B	B	B
Electrical 125/250VAC Resistive Load 电气125/250VAC阻性负载	3A	10A	15A

Pressure Switch 压力开关



PSF109S series/ PSF109S 系列

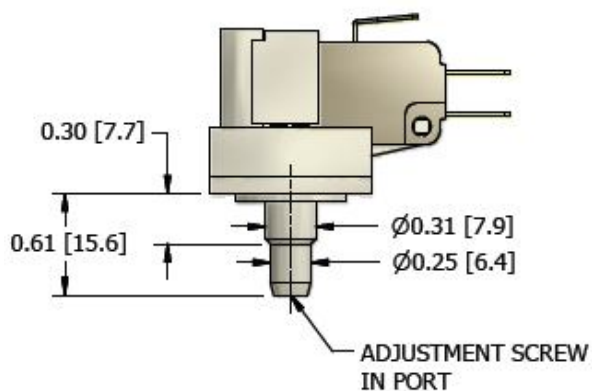
Adjustable vacuum set point/Port/Electric rating options/
可调式真空设定点/端口/电动等级

	21472	21473	21474
Description/叙述	109S-QC-3-8	109S-QC-9-80	109S-QC-81-330
In. Hg	0.2205 to 5885	0.6613 to 5.878	5.951 to 24.25
In. H ₂ O	3 to 8	9 to 80	81 to 330
mbar	7.5 to 20	22 to 199	202 to 822
psi	0.10 to 0.30	0.30 to 2.90	2.9 to 11.9
Port Style (see drawing below) 端口型式(见下图)	C	C	C
Electrical 125/250VAC Resistive Load 电气125/250VAC阻性负载	3A	10A	15A

Port Style/ 端口型式

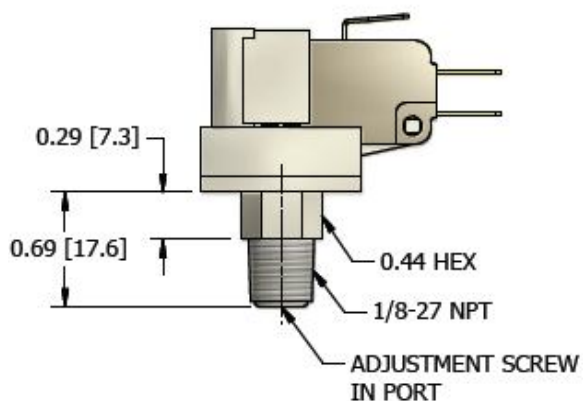
A

Ø 0.25 STEPPED AXIAL PORT



B

1/8-27 NPT PORT



C

JOHN GUEST
(QUICK DISCONNECT)

