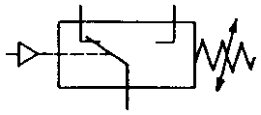
”Airtrol”- Mini Pressure and Vacuum Switch F4200

Description	Pressure and vacuum switch with electrical outlet signal. The microswitch satisfies UL and CSA regulations. Polysulfone of the body approved by National Sanitation Foundation. Satisfies FDA regulations and is suitable for water and food products.		
Microswitch	Single pole, double throw, with cover		
Current rating	11 A and 250V AC or 1.2 A and 125V DC 10 A and 250V AC or 0.5 A and 125V DC	3 A and 250V AC 0.1 A and 125V AC, gold contact	
Terminals	4.75 mm / 187 quick connect 2176, 2328, 2698, 2799 molex connector	3-circuit connector: 2191-3 (06-02-3031) 1-circuit connecotr: 2211 (06-02-3011)	
Repeatability	± 2% FS or 10 mbar / 15 psi, whichever is greater after 10.000 cycles		
Temperature range	4 °C to 66 °C / 40 °F to 150 °F	Switch time: 25 ms	
Materials	Body: polysulfone Diaphragm: polyurethane	Spring: stainless steel Other: nylon, acetal	
Information	1 mbar = 10 mm H_20 or 0.75 mm Hg or 0.4″ H_20 or 0.03″ Hg		



3 mbar… 7 bar
–1 mbar…–1 bar

Description	Contact rating max. A (AC)	Hysteresis typ. mbar	Hysteresis max. mbar	Over-pressure max. bar	Adjustment range bar	Order number
Pressure and vacuum switch 1/8″ NPT						**F4200**
pressure switch	3 A	3	10	1	0.003… 0.03	**F4200 - 0.5 PT**
	10 A	7	20	2	0.014… 0.14	**F4200 - 2 PT**
	11 A	30	50	2	0.035… 0.35	**F4200 - 5 PT**
	11 A	70	110	3	0.035… 1.0	**F4200 - 15 PT**
	11 A	120	160	4	0.035… 2.1	**F4200 - 30 PT**
	11 A	240	350	8	0.035… 4.2	**F4200 - 60 PT**
	11 A	400	500	8	0.070… 7.0	**F4200 - 100 PT**
vacuum switch	3 A	1	3	–0.3	–0.001…–0.01	**F4200 - X 4 PT**
	11 A	17	27	–1	–0.007…–0.17	**F4200 - X 5 PT**
	11 A	34	50	–1	–0.015…–0.34	**F4200 - X10 PT**
	11 A	68	100	–1	–0.050…–1.00	**F4200 - X30 PT**

F4200 - … PT

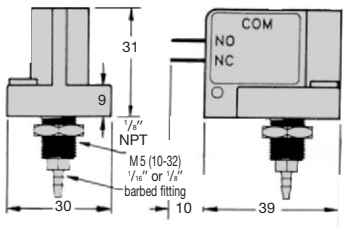
F4200 - … FM

F4200 - … PM

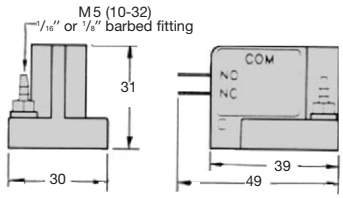
F4200 - … MM

Special options add the appropriate letter

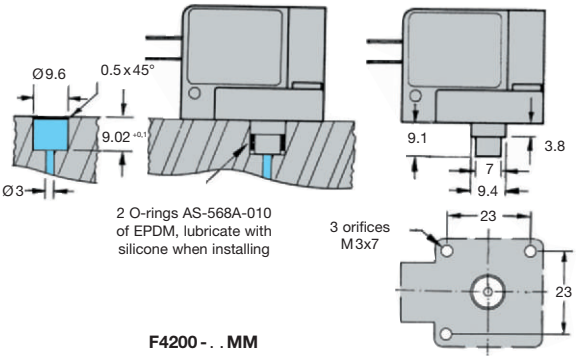
flush mounting	nylon nipple, Ø1/16″, Ø2, standard	**FM**	F4200 - . . .	**FM**
panel mounting	nylon nipple, Ø1/16″, Ø2, standard	**PM**	F4200 - . . .	**PM**
manifold mounting		**MM**	F4200 - . . .	**MM**
barbed fitting	nylon, Ø1/16″, Ø2, only PM or FM	**B80**	F4200 -	**.B80**
	nylon, Ø1/8″, Ø4, only PM or FM	**B85**	F4200 -	**.B85**
	PSU, Ø1/16″, Ø2, only PM or FM	**P80**	F4200 -	**.P80**
	PSU, Ø1/8″, Ø4, only PM or FM	**P85**	F4200 -	**.P85**
gold contact	0.1 A at 120 V AC	**1B**	F4200 -	**.1B**
factory-set	±5% accuracy, indicate switchpoint on order	**X**	F4200 -	**.X**
contact rating 15 A	instead of 11 A	**Q**	F4200 -	**.Q**
for oxygen	clean	**O**	F4200 -	**.O**



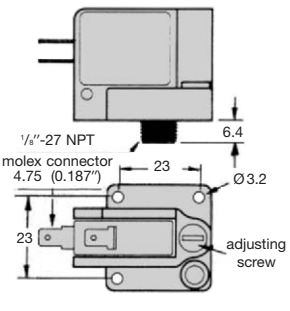
F4200 - PM



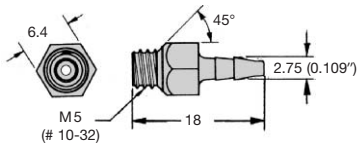
F4200 - FM



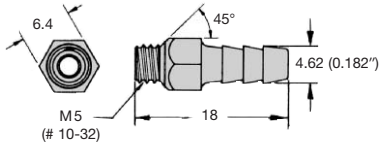
F4200 - . . MM



F4200 - PT



B - 062 N, nylon
B - 062 P, polysulfone



B - 125 N, nylon
B - 125 P, polysulfone

For your information:	1 bar: 14.5 psi 1 psi: 0.069 bar	1 l/min: 0.035 scfm 1 scfm: 28.3 l/min	1 mm: 0.039 inch 1 inch: 25.4 mm	1 mbar: 0.4 inch H_2O 1 inch H_2O: 2.5 mbar	1 mbar: 0.01 m H_2O 1 m H_2O: 98 mbar

Order example:
F4200 - 100PT

PS
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