



## **Pressure/Vacuum Switch, Gauge, and DISS Union Demand Check Assemblies for Medical Gas Alarm Systems**



Complete assembly of pressure/vacuum switch, 4" diameter pressure/vacuum gauge, and gas specific DISS union demand check valve. Entire assembly is cleaned for oxygen service



*Part numbers shown*

*PSM-24*

*PSX-12*

### ***PSM Assembly Features:***

Unique to Tri-Tech Medical Inc., the PSM assembly consists of a Tee Assembly using the Tri-Tech Medical Inc. *Genesys*<sup>TM</sup> manifold high/low line pressure transducer and DISS union demand check valve – both of which are included with the manifold and eliminate the need to purchase an additional high/low source line pressure switch – with the 4" diameter pressure gauge.

### ***PST/PSX***

### ***Pressure Switch Features:***

- Removable copper diaphragm capsule
- U.L. and C.S.A. listed.
- Instrument quality snap-action switch
- Normally open or normally closed contacts

### ***PST / PSX Pressure Switch Specifications:***

Pressure and vacuum switches for the medical gas alarm system shall incorporate a U.L. listed single pole double throw snap-action micro switch. Normally open or normally closed circuitry shall be field-selected to be compatible with the medical gas alarm system. Electrical rating shall be 10 amperes at 120 volt AC.

### ***PST / PSX Switch Adjustment***

Low pressure gases such as oxygen, nitrous oxide and medical air are typically set to alarm at 40 psig (low line pressure) and 60 psig (high line pressure). High pressure nitrogen are typically set to alarm at 160 psig (low line pressure) and 200 psig (high line pressure). The vacuum switch is pre-set at the factory to alarm at 12 in/Hg. Switches are field adjustable (if necessary) by following instructions included.

### ***How to Order:***

<b>Part #</b>	<b>Gas Service and Pressure Switch Used</b>
PST-04	N2O with High/Low 1-80 psig switch and 0-100 psi gauge
PST-08	CO2 with High/Low 1-80 psig switch and 0-100 psi gauge
PSX-12	N2 with two single setting pressure switches (high and low) and 0-300 psi gauge
PST-16	MED AIR with High/Low 1-80 psig and 0-100 psi gauge
PST-22	VAC with single setting 1-30" Hg switch and 0-30" Hg gauge
PST-24	OXY with High/Low 1-80 psig switch and 0-100 psi gauge
PST-HYP	Hyperbaric Oxygen with High (84)/Low (56) switch and 0-100 psi gauge
PSX-2080	Instrument Air with High (200) and Low (160) switches and 0 – 300 psi gauge
PST-32	WAGD with single setting 1-30" Hg switch and 0-30" Hg gauge
PSM-04	N2O assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold
PSM-08	CO2 assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold
PSM-12	N2 assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold
PSM-16	MED AIR assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold
PSM-24	OXY assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold
PSM-2080	Instrument Air assembly with transducer and DISS union provided as part of <i>Genesys</i> <sup>TM</sup> manifold