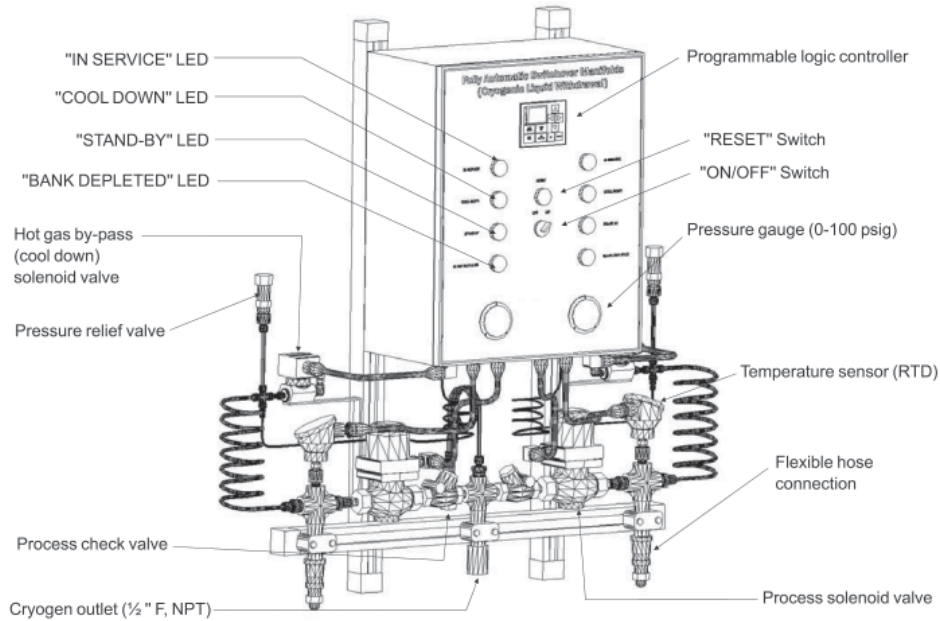


fully automatic switchover manifolds for cryogenic liquid supply **Series CTM75**

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Description	Features
<p>The CTM75 Cryo Transfer Manifold assures a continuous supply of cryogenic liquid. It is set to transfer from the “in use” empty bank to the “reserve” full bank based on pressure and temperature.</p> <p>This PLC-based system is continuously monitoring the pressure and temperature of both banks. In “read only” mode, the PLC screen indicates actual pressure and temperature of each bank and compares them to their switchover (target) settings. In “programming” mode, the PLC allows you to change the switchover settings.</p> <p>The LEDs indicate the status of each bank at all times.</p>	<ul style="list-style-type: none"> • Continuous cryogenic liquid supply • Automatic switchover from “depleted” bank to “stand-by” bank without operator’s involvement • Built-in “hot gas by-pass” for each manifold side Audible (optional) and visual alarms indicating when a supply side is depleted • Two supply modes: <ul style="list-style-type: none"> - On Demand - Keep full • Use the entire amount of cryogen in the cylinders • Eliminates downtime due to empty cylinders • Easy field pressure and temperature settings to better meet your application needs

Ordering Information					
Series	Fluid	Qty. of Cyl. left bank	Qty of cyl right bank	Application	Options
CTM75	Argon = 3	(Max. 2 cylinders)	(Max. 2 cylinders)	Bio Medical = BM Laser = L Industrial = I High Purity = HP	Floor Stand = FS Vaccuum insulated flexible hose = VJH Flashing beacon = FB Audible Alarm = AA

Operation Mode Description
<p>ON-DEMAND</p> <p>The “On Demand” supply mode vents the “hot gas” coming from the liquid cylinders through the cool down solenoid valve before opening the process solenoid valve. The process solenoid valve will open only when receiving an external signal. The same process occurs during the switchover between the depleted “in use” side to the “full reserve” side.</p>
<p>KEEP FULL</p> <p>The “Keep Full” supply mode assures instant liquid withdrawal whether or not dispensing. The system monitors both pressure and temperature and keeps optimal conditions by opening and closing the cool down solenoid valves. By doing so, quality liquefied gas is maintained up to the process solenoid valves. Thus, the CTM75 will dispense cyrogenic liquid within seconds. Because both sides are “kept Full” at all times, the “reserve bank” will immediately supply cryogenic liquid as soon as the “in use” side is depleted. The end use must be aware that the “Keep Full” supply mode will vent product to atmosphere if the demand is low.</p>