



A-13893 Air Supplies

The A-13893 Series of air supplies is designed to provide reference and purge air for the AP Series of Carbon and O₂ probes. All models use a rugged double-diaphragm pump designed for an industrial environment. The flow gauges have two-inch scales for readability and easy adjustment. A replaceable filter prevents particulate infiltration of the supply lines. Models are available with a complete housing for surface mounting or with a front panel only for installation into a control panel. All versions are 50/60 Hz at 28 Watts.

A-13893-000-x-xx has a single output with a 0-2 SCFH flow meter for use as a reference air supply for a single probe.

A-13893-100-x-xx has dual outputs with 0-2 SCFH flow meters for use as a reference air supply for two probes.

A-13893-200-x-xx has one output for reference air and a second solenoid activated output with a 0-10 SCFH flow meter for purge air.

A-13893-400-x-xx has one output with a 0.06-0.50 LPM flow meter for reference air and a solenoid activated output with a 0.15-1.00 LPM flow meter for purge air.

A-13893-500-x-xx has a single output with a 0.06-0.50 LPM flow meter for use as a reference air supply for a single probe.



A-13893-X00-X-0X

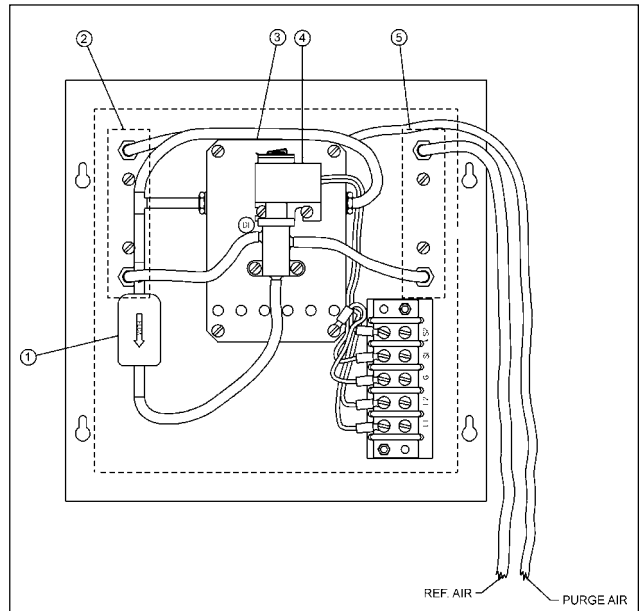
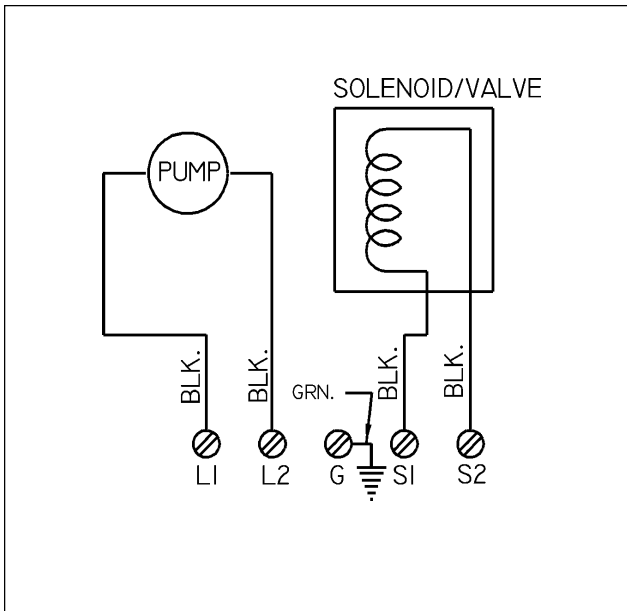
0 = 120 Vac 50/60 Hz
1 = 240 Vac 50/60 Hz

0 = Front Panel Assembly Only
1 = Assembly with Case

000 = Single Sensor without Burnoff Option
100 = Dual Sensor without Burnoff Option
200 = Single Sensor with Optional Remote Burnoff Solenoid
400 = Single Sensor with Optional Remote Burnoff Solenoid (International Model)
500 = Single Sensor without Burnoff Option (International Model)
(International models have flow gauges scaled in liters per minute)

Installation:

1. Mount the housing with a minimum of 8 inches (200mm) of air gap between the housing and the furnace wall. The air supply should be within 50 ft. (15 meters) of the probe.
2. Remove the front cover.
3. Remove the safety cover on the terminal block.
4. Connect power leads to terminals L1 & L2. The air supply should be connected directly to the furnace control power. The air supply should be ON whenever the furnace is powered up.
5. On models with a purge air solenoid, connect the purge control leads to the terminals marked S1 & S2. S2 may be jumpered to L2 when the power leads and the purge control share the same circuit.
6. Connect terminal G to earth ground.
7. Reinstall the safety cover to the terminal block.



Item	Part Number	Description	Model Number									
			A-13893 -000-X-X0	A-13893 -100-X-X0	A-13893 -200-X-X0	A-13893 -400-X-X0	A-13893 -500-X-X0	A-13893 -000-X-X1	A-13893 -100-X-X1	A-13893 -200-X-X1	A-13893 -400-X-X1	A-13893 -500-X-X1
1	AL-431	Filter	1	1	1	1	1	1	1	1	1	1
2	36-151	1 to 10 SCFH Flow Meter			1					1		
	36-152	.15 to 1 LPM Flow Meter				1					1	
3	50-1746	Air Pump 120V 50/60 Hz	1	1	1	1	1					
	50-1746-100	Air Pump 240V 50/60 Hz						1	1	1	1	1
4	AL-171	Solenoid 120V 50/60 Hz			1	1						
	AL-183	Solenoid 240V 50/60 Hz								1	1	
5	36-130	.2 to 2 SCFH Flow Meter	1	2	1			1	2	1		
	36-158	.06 to .5 LPM Flow Meter				1	1				1	1



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