

KSLC-80 Air Control Unit

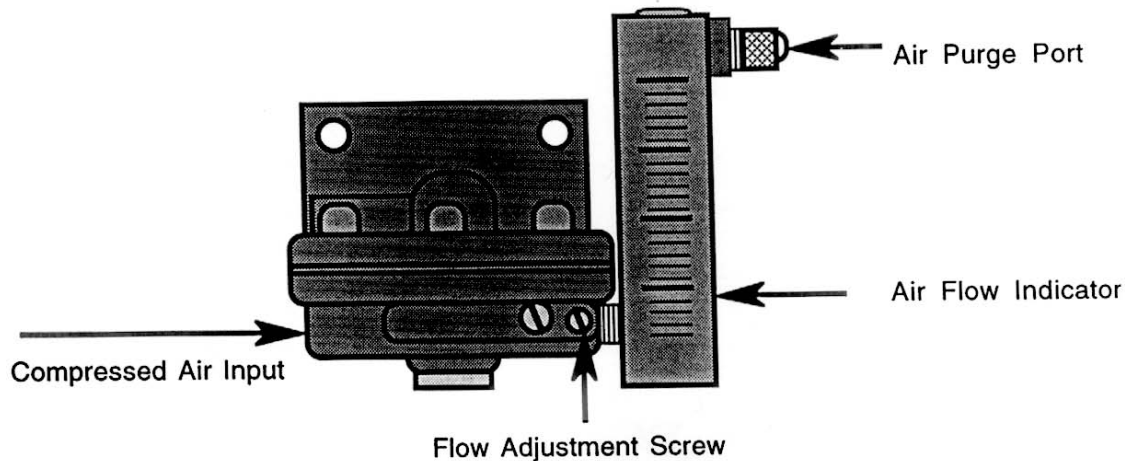
DESCRIPTION

The air-flow controller maintains an essentially constant air purge for each setting of an integral needle valve.

By maintaining a constant differential-pressure drop across a built-in needle valve (for any flow setting up to about 2.1 cu. ft. of air per hour), each instrument insures an essentially constant volumetric rate of flow - regardless of variations in process or supply pressure.

The constant differential across the built-in needle valve is regulated by a spring-loaded diaphragm. This diaphragm controls the action of the supply-port plunger which automatically admits supply air to the needle valve at the required rate. Excess purge air bleeds to the atmosphere, when necessary.

The flow indicator is used with Model KSLC-80 to monitor the flow rate of the unit.



GENERAL SPECIFICATION

| | |
|--|-------------------|
| Model No. | KLSC-80 |
| Purge Rate | 0.5 to 2.1 SCFH** |
| Materials of Construction | |
| Top & bottom forgings | Brass |
| Retaining nut | Brass |
| Diaphragm | Neoprene |
| Differential Spring | Stainless Steel |
| Valve Plunger | Stainless Steel |
| Plunger Spring | Stainless Steel |
| Ambient Temp. Limits: -40 deg. to +180 deg. F (+160 deg. F with Rotameter) | |
| Supply Pressure | |
| 150 psig max. (minimum supply pressure is 5 psi above highest output pressure required.) | |

** With relay or rotameter outlet at atmospheric pressure.