

MAIN COMPONENTS

The major equipment comprise of the following:

Si. No.	Main Component/Equipment	Unit	Quantity
1.	Mass flow controller along with accessories	No.	2

TECHNICAL SPECIFICATIONS FOR Mass flow controller along with accessories

Feature	Required features
Application	To measure and control the volume flow rate of R134a (1,1,1,2-Tetrafluoroethane) gas and air
Flow rate	10 to 5000 ccpm
Response time	<2 sec within $\pm 2\%$ of set point
Accuracy	Within 0.05% of full scale
Linearity	Within 0.5% of full scale
Repeatability	Within 0.2% of full scale
Differential pressure	7 to 40 psi
Max. inlet pressure	150 psi
Operating temperature	5 to 45°C
Control valve type	Normally closed solenoid
Power supply	** DC/ AC
I/O options	Analog/Digital
Ambient temperature	0 to 40°C
Ambient air humidity	0 to 100% RH
Material of the wetter parts	Compatible with R134a gas and air
MFC inlet and outlet connections	Standard size thread
Eligibility Criteria	a.Should have Supplied to any IIT in India & details to be provided. b. Reputed Make

** - Bidder has to specify in their offer

Note: All the technical parameters are indicative value, Bidder will be designing and specifying in their offer.