

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	$\leq \pm 0.5\%$ of reading or $\leq \pm 0.1\%$ 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
Control option	Manual Control
Integration software	User friendly Graphical User Interface (GUI) based software to control the Mass flow controller and Data transfer.
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.