

PSA / Desiccant Air Dryer

Standard compressed air enters to PSA unit where all the impurities like: Moisture, CO, CO2 etc are removed to produced clean dry air upto -60° dew point.

Refrigerated Air Dryer

Standard compressed air enters to the air to air heat exchange, where it is pre cooled by out going cold dry air. Highly effective pre cooler reduces the temperature considerably, and enable to use smaller & economical refrigeration system. Then the pre cooled, relatively low temperature compressed air enters to air to refrigerant heat exchanger, where it is cooled down to +3°C (Pressure Dew Point). At this temperature, moisture in vapour form condensed to liquid form, and seperated from the compressed air by moisture separator and discharged to drain port through automatic drain valve. The cold dry compresses air passes back to air to air heat exchanger, and gain temperature by exchanging heat with incoming warm air. The dry air coming out from the dryer is ready to use for instrumentation and process air applications.



PSA/Desiccant Type Refrigerated Type

Technical specifications of Gas Purification Panel for GC:

Model	Capacity CFM	Working Pressure kg/cm ²	Connections BSP	Refrigerant	Power Supply v/ph	Condensor Type	Nominal Power Consumption kw.	Overall Dimensions in mm			Approx Weight (kg)
								L	B	H	
PPS-15	15	16	1/2"	R134a	220/1	Air	0.19	350	350	550	25
PPS-24	24	16	1/2"	R134a	220/1	Air	0.19	400	500	550	32
PPS-45	45	16	1/2"	R134a	220/1	Air	0.37	400	500	550	35
PPS-60	60	16	3/4"	R134a	220/1	Air	0.37	550	550	730	60
PPS-80	80	16	3/4"	R134a	220/1	Air	0.60	550	550	730	65
PPS-100	100	16	1 1/2"	R134a	220/1	Air	0.60	550	750	900	78
PPS-150	150	16	1 1/2"	R134a	220/1	Air	1.11	700	750	900	90
PPS-200	200	16	1 1/2"	R134a	220/1	Air	1.11	700	750	900	92

PCI Analytical