

DESICCANT AIR DRYER



Features :

- Inlet Valve : Butterfly Valve with Pneumatic Actuator
- Safety Valve : S.S. 304
- Flange : MOC S.S. 304
- Seal Material : EPDM
- NRV/Check Valve : Disk AISI 304
- Relief Valve : Silencer with Relief Valve
- Pressure Gauge : Glycerin Filled S.S. Gauge
- Tower Material : S.S. 202
- Desiccant : Desiccant + Molecular Sieve
- Controller : PLC
- Cycle Time : Adjustable
- Drain Time : Adjustable
- Inlet Filter : Moisture Separator + Inlet Filter with Auto Drain
- Outlet Filter : PF + AF with Manual Drain (MS+OF Optional).
- Auto Drain : Optional for PF, AF and MS

Quality Desiccant Media:

- Concept uses a mixture of adsorption media in its heatless range of desiccant dryers to achieve consistent dewpoint. Activated Alumina and Molecular Sieve and Silica Gel are used in varying ratios depending upon the application. The long lasting, high crush strength media has a very high surface/volume ratio.

PLC Controller:

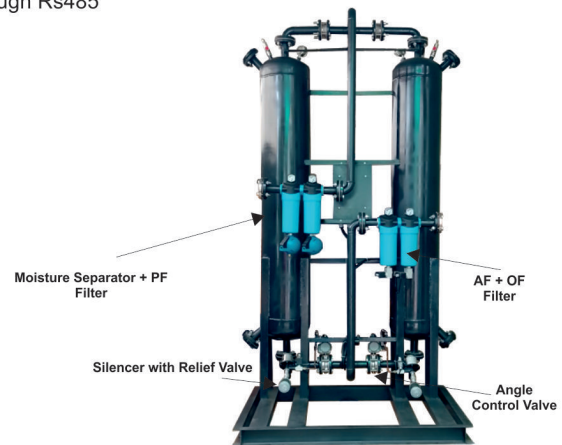
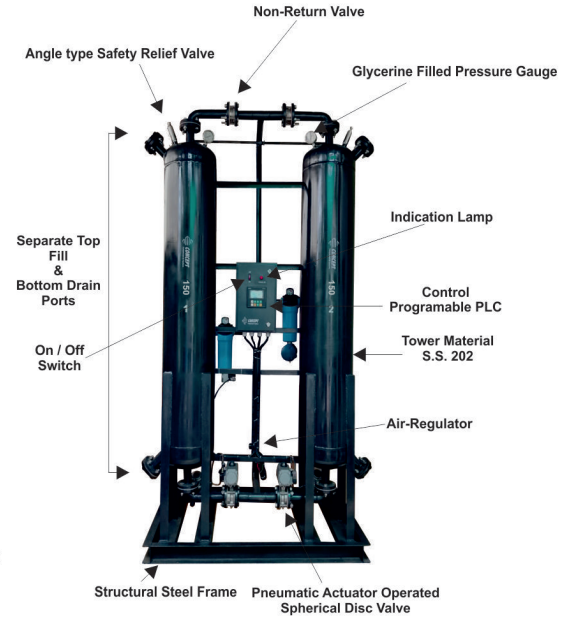
- All Concept desiccant dryers are equipped with the state of art PLC controller, fully programmable, cycle time, purge time and drain time can be programmed to suit customer requirement. The unit can be connected to remote controller through Rs485 (Optional).
- Concept ensures pressure equalization in the twin tower prior to switching. This prevents line surge and minimises desiccant attrition. The tower being reactivated will be gradually re-pressurised at the end of its reactivation cycle before switch over takes place. Purge flow and depressurisation are in a downward direction, counter flow to the drying air flow.

Angle Body Piston Valve:

- These high performance 2 way direct acting valves are designed for reliability and durability. The body and internals are of SS304 with PTFE / Teflon seals suitable for 350 to 650 cycles per hour.

Butterfly valves for Precise Control:

- These versatile high performance butterfly valves are of compact design, light and smooth, take very short time for opening and closing with very low torque, Self cleaning. Internal Ss304.



S. No.	MODEL	CFM	CONNECTION BSP (F)	Desiccant in Kg.
1.	HLD-150	150	1"	90 Kg.
2.	HLD-200	200	1-1/2"	120 Kg.
3.	HLD-300	300	2"	220 Kg.
4.	HLD-400	400	2"	250 Kg.
5.	HLD-500	500	2-1/2"	300 Kg.
6.	HLD-600	600	2-1/2"	360 Kg.
7.	HLD-750	750	3"	520 Kg.
8.	HLD-1000	1000	3"	720 Kg.



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