

## Split Flow-No Purge Loss Dryer

The wet air stream is split at the dryer inlet through an differential valve. Part of this stream is passed through an external heater and heated to a temperature of 180°C, then it is fed to the tower under regeneration thus carrying away the moisture from the desiccant bed. A water cooler condenses the desorbed moisture. This stream joins the main incoming stream and goes for drying.

After each operation the changeover is effected automatically.



### SPECIFICATIONS FOR SPLIT FLOW NO PURGE LOSS TYPE AIR DRYER

MODEL NO.	CAPACITY		PIPE LINE SIZE mm	POWER CONSUMPTION KWH/DAY	COOLING WATER REQ.T. LPM	APROX. OVERALL DIMENSIONS		
	M <sup>3</sup> / HR	CFM				LENGTH mm	WIDTH mm	HEIGHT mm
NPL-01	163.0	100	25	43.2	14	1600	1400	1800
NPL-02	244.5	150	25	64.8	21	1800	1500	2000
NPL-03	326.0	200	25	86.4	28	1800	1500	2000
NPL-04	489.0	300	40	129.6	42	2000	1500	2200
NPL-05	652.0	400	40	172.8	56	2000	1500	2200
NPL-06	815.0	500	50	216.0	70	2000	1800	2200
NPL-07	978.0	600	50	259.2	84	2200	1800	2400
NPL-08	1222.0	750	65	324.0	105	2400	1800	2400
NPL-09	1630.0	1000	65	432.0	140	2500	2000	2600
NPL-10	2037.0	1250	80	518.0	175	2500	2000	2800
NPL-11	2445.0	1500	80	648.0	210	2500	2000	3000
NPL-12	3260.0	2000	100	842.0	280	3000	2000	3000
NPL-13	4075.0	2500	100	1030.0	350	3000	2000	3000

The above capacities are rated at an inlet temp. of 40°C., 7kg/ Cm<sup>2</sup> Pr. and at an outlet dew point of (-) 40°C. at Atm. Pressure, Supply Voltage of 220 V-1 PH- 50 HZ or 415V-3PH-50 Hz.

Above data is only for estimation and can be changed without notice. For special systems and higher capacities contact us.