

## EXTERNALLY HEATED PURGE DESSICANT COMPRESS AIR DRYER



### Product Description:

According to the principal of PSA and TSA, the moisture in the air will be adsorbed and compressed with the special appetency of the sorbent on the steam. The machine is of two-tower structure. Under the control of PLC, the two towers will run alternately. One tower adsorb the moisture under high pressure and another tower complete the desorption of steam with the dry air produced by itself under low pressure and high temperature, thus keeping running circularly. The air consumption of the machine is lower than the heatless regenerative dryer, but some electric power should be consumed to heat the regenerated air.

### Working condition and technical data:

- Purge air:  $\leq 4\sim 6\%$
- Working pressure:  $0.4\sim 1.0\text{Mpa}$
- Inlet oil content:  $\leq 0.01\text{ppm}$
- Outlet air pressure dew point:  $-20 \sim -70\text{C}$
- Desiccant: Activated aluminum or Molecular sieve
- Working periods:  $60 \sim 180\text{minutes}$
- Inlet temperature:  $0\sim 45\text{C}$

Model	Capacity	Heater power	Pipe connection diameter	Dimension(mm)			Weight
	Nm <sup>3</sup> /min	KW		L	W	H	Kg
ELAD-1MXF	1.2	1	ZG1	800	480	1420	150
ELAD-2MXF	2.4	1	ZG1	800	480	1520	210
ELAD-3MXF	3.8	2	ZG1.5	1000	525	1900	340
ELAD-6MXF	6.5	2	ZG1.5	1200	550	1950	440
ELAD-8MXF	8.5	2	ZG1.5	1400	600	2000	550
ELAD-10MXF	10.7	3	ZG2	1400	600	2090	760
ELAD-13MXF	13.5	3	ZG2	1400	600	2140	800
ELAD-18MXF	18	3	DN65	1400	650	2200	860
ELAD-20MXF	25	4	DN80	1670	725	2435	1250
ELAD-30MXF	35	4	DN100	1670	725	2566	1820
ELAD-40MXF	45	6	DN125	1750	775	2700	2260
ELAD-50MXF	55	6	DN125	1800	775	2755	2660
ELAD-60MXF	65	8	DN125	1900	800	3070	3180
ELAD-80MXF	85	8	DN150	2620	1120	3073	4200
ELAD-100MXF	110	10	DN150	3100	1650	3200	5300
ELAD-160MXF	160	15	DN200	3240	1770	3190	6100