

NEDK Refrigerated Air Dryer

Top-Quality / Eco-Friendly



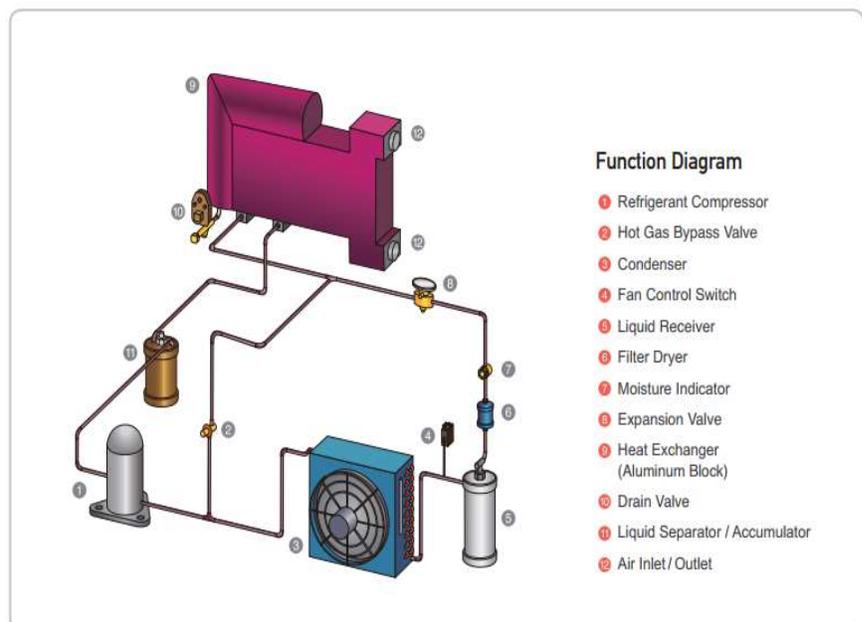
Dryer Operation

Dryers use a two-stage heat exchanger system to maintain consistent dew points. Freeze ups are prevented and optimum performance is maintained by integrating the highest quality components and refrigeration controls into our system. The system reduces the temperature of the compressed air to 2°C turning it into liquid condensate.

The condensed water and cold air then flow into the moisture separator, where the liquids are collected and removed by the condensate drain, the drain ensures maximum moisture removal.

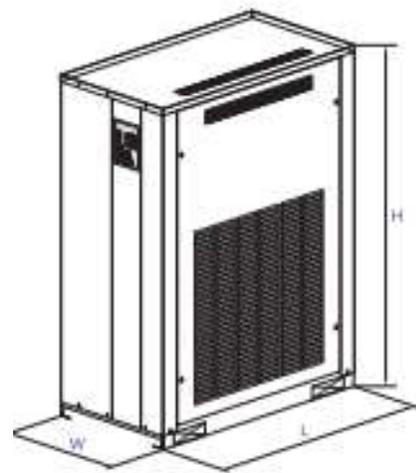
Once the liquids has been removed, the cold dry compressed air returns through the cold side of the first stage heat exchanger where it is reheated by the warm incoming air, thus elevating the discharge air temperature which prevents pipe sweating.

The compressed air is now treated and ready for use downstream.



Technical Specifications

Model	Capacity		BSP inch	Max. Pre. bar	Power Supply V/Ph/Hz	Dimension W x L x H mm	Weight kg
	Nm ³ /min	scfm					
NED35K	0.57	20	½"	16	240/1/50	360 x 470 x 715	35
NED66K	1	35	½"	16	240/1/50	360 x 470 x 715	35
NED80K	1.25	44	½"	16	240/1/50	360 x 470 x 715	36
NED108K	1.84	65	1"	16	240/1/50	430 x 510 x 710	42
NED150K	2.6	92	1"	16	240/1/50	430 x 510 x 710	42
NED270K	4.25	150	1"	16	240/1/50	360 x 660 x 865	66
NED480K	7.36	260	1½"	16	240/1/50	410 x 710 x 955	89
NED660K	10.76	380	2"	16	240/1/50	460 x 800 x 1045	120
NED780K	14.27	501	2"	16	415/3/50	460 x 860 x 1145	126
NED1000K	21.02	742	2 ½"	16	415/3/50	565 x 1005 x 1330	172
NED1300K	24.02	848	FLG 2½"	16	415/3/50	680 x 1200 x 1350	230
NED1700K	30	1059	FLG3"	16	415/3/50	680 x 1200 x 1350	240
NED2200K	39.01	1377	FLG3"	16	415/3/50	770 x 1350 x 1370	260
NED2700K	47.03	1660	FLG4"	16	415/3/50	770 x 1350 x 1370	270
NED3600K	56.04	1978	FLG4"	16	415/3/50	1200 x 1500 x 1700	600



Conversion Factors

Ambient temp.	°C	25	30	32	35	40	50						
Factor		1.00	0.95	0.90	0.87	0.82	0.70						
Inlet temp.	°C	30	35	40	45	50	55	60	65				
Factor		1.22	1.00	0.83	0.69	0.58	0.49	0.46	0.43				
Operating press.	bar	5	6	7	8	9	10	11	12	13	14	15	16
Factor		0.89	0.94	1.00	1.04	1.06	1.09	1.10	1.12	1.14	1.15	1.16	1.18
Dew Point	°C	2	3	5	7	10							
Factor		1.00	1.08	1.20	1.22	1.26							