

HYD Refrigerated Air Dryer

Reliable, efficient, and cost-effective



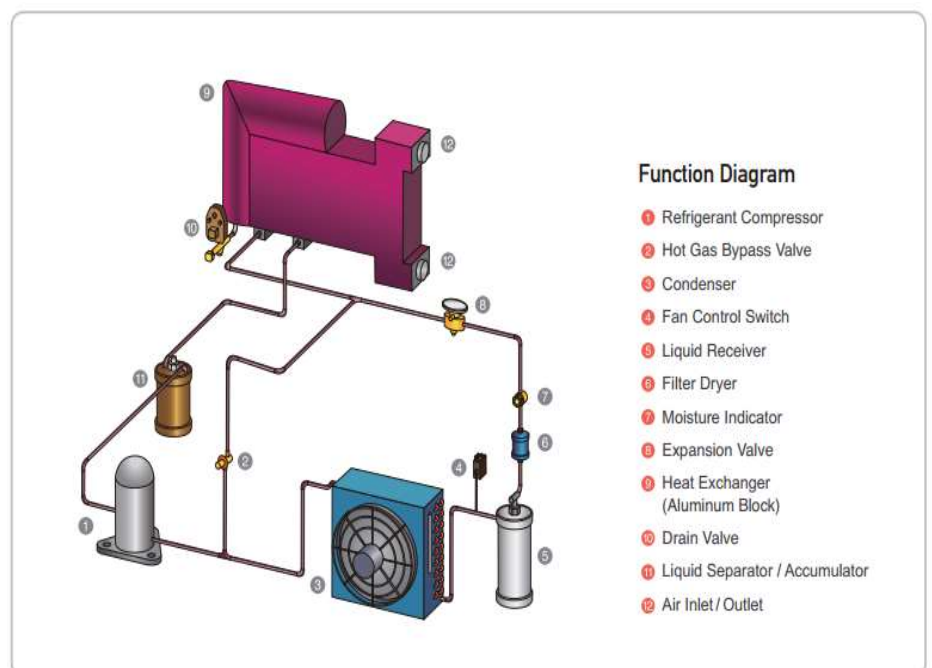
Dryer Operation

HYD 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	Max. Pre.	Power Supply	Dimension L x W x H	Weight
		Nm ³ /min	scfm	inch	bar	V/Ph/Hz	mm	kg
H Y D	5N	0.57	20	½"	16	240/1/50	360 x 470 x 715	35
	7N	1	35	½"	16	240/1/50	360 x 470 x 715	35
	10N	1.25	44	½"	16	240/1/50	360 x 470 x 715	36
	15N	1.84	65	1"	16	240/1/50	430 x 510 x 710	42
	20N	2.6	92	1"	16	240/1/50	430 x 510 x 710	42
	30N	4.25	150	1"	16	240/1/50	360 x 660 x 865	66
	50N	7.36	260	1½"	16	240/1/50	410 x 710 x 955	89
	75N	10.76	380	2"	16	240/1/50	460 x 800 x 1045	120
	100N	14.27	501	2"	16	415/3/50	460 x 860 x 1145	126
	150N	21.02	742	2 ½"	16	415/3/50	565 x 1005 x 1330	172
	170N	24.02	848	FLG 2½"	16	415/3/50	680 x 1200 x 1350	230
	200N	30	1059	FLG3"	16	415/3/50	680 x 1200 x 1350	240
	250N	39.01	1377	FLG3"	16	415/3/50	770 x 1350 x 1370	260
	300N	47.03	1660	FLG4"	16	415/3/50	770 x 1350 x 1370	270
	400N	56.04	1978	FLG4"	16	415/3/50	1200 x 1500 x 1700	600
	500N	66.04	2331	FLG6"	16	415/3/50	1200 x 1900 x 1700	940
600N	85.05	3002	FLG6"	16	415/3/50	1200 x 1900 x 1700	1100	

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							

