

HLSXA Explosion Proof Series Heatless Dryers

Safety and reliability in demanding environments

Van Air Systems Explosion Proof Series Heatless dryers deliver extremely compressed air in the harshest and most challenging operating environments where safety and performance are of central importance. HLSXA regenerative desiccant dryers are explosion proof and have been designed to operate in areas classified as hazardous, Class 1, Division 1, Groups C & D, per the National Electric Code.

HLSXA dryers are only for the compressed air service. In the oil & gas and petrochemical industries, operators often rely on compressed air to run essential equipment and instrumentation within confined spaces where explosive gases may be present. HLSXA dryers can be safely operated in these hazardous area locations. Each dryer consists of two desiccant columns. While one column is on-line drying compressed air, the other column is regenerated using a portion of depressurized purge air. Pressure dew points of -40°F or lower can be achieved with a properly sized HLSXA dryer.

Explosion Proof Heatless Dryers are ideal for:

- Instrument air drying in hazardous area locations

FEATURES

-40°F pressure dew point

Flow capacities from 55-800 SCFM at 100 PSIG

Explosion proof controls Class 1 division 1 groups C & D

Small footprint for convenient installation

250 PSIG maximum working pressure



BENEFITS OF THE HLSXA SERIES

Safe // Reliable // Operates in hazardous environments

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STANDARD EQUIPMENT

- Manufactured to the ASME Code, Section VIII, Div. 1
- Vessels stamped "UM" symbol
- NEMA 4/7 electrical enclosure
- Explosion proof (Class 1, Div.1, Groups C&D)
- 12 VDC or 115V supply power
- Activated alumina desiccant, 1/8" (2-5 MM)
- HLSXA – compressed air service
- Canadian registration number (CRN)

OPTIONAL EQUIPMENT

- Coalescing pre-filter
- Particulate after-filter
- Factory mounting of filters and by-pass valves
- Available for higher flow rates
- Safety relief valves
- 24 VDC supply power

DIMENSIONS & SPECIFICATIONS

Model No.	A		B		C (HLSXA)		In/Out Conn.	Desiccant Weight Per Tower		Weight with Desiccant		Pre-filter	After-filter	
	in	cm	in	cm	in	cm		lbs	kg	lbs	kg			
HLSXA-55	56	140	29	74	23	58	1/2" NPT	33	1/2	16	277	126	GF200-55-1/2-C-MD-PD5	GF200-55-1/2-RB-MD-PD5
HLSXA-80	65	165	29	74	23	58	3/4" NPT	47	22	334	151	GF200-85-3/4-C-MD-PD5	GF200-85-3/4-RB-MD-PD5	
HLSXA-120	77	196	29	74	24	61	1" NPT	68	31	415	188	GF200-150-1-C-MD-PD5	GF200-150-1-RB-MD-PD5	
HLSXA-150	87	221	29	74	27	69	1" NPT	83	38	475	216	GF200-150-1-C-MD-PD5	GF200-150-1-RB-MD-PD5	
HLSXA-250	91	231	37	94	30	76	1 1/2" NPT	130	59	710	322	GF200-265-1-1/4-C-MD-PD5	GF200-265-1-1/4-RB-MD-PD5	
HLSXA-500	89	226	43	109	37	94	1 1/2" NPT	266	121	1162	527	GF200-500-2-C-MD-PD5	GF200-500-2-RB-MD-PD5	
HLSXA-800	104	264	53	135	50	127	2" NPT	440	200	1880	853	GF200-800-3-C-MD-PD5	GF200-800-3-RB-MD-PD5	

* Consult factory for weights dimensions and flow capacities of dryers 250 through 800 SCFM.

MAXIMUM CAPACITIES HLSXA/G SCFM/ Nm3hr for -40°F PDP

Model No.	80 PSIG 5.5 BARG		90 PSIG 6.2 BARG		100 PSIG 6.9 BARG		150 PSIG 10.3 BARG		200 PSIG 13.8 BARG		250 PSIG 17.2 BARG	
HLSXA-55	45	72	50	80	55	88	66	106	75	121	127	204
HLSXA-80	66	106	73	117	80	129	96	154	110	177	184	296
HLSXA-120	99	159	110	177	120	193	144	232	164	264	276	444
HLSXA-150	124	199	137	220	150	241	180	289	205	330	345	555
HLSXA-250	206	331	228	366	250	401	300	482	342	549	380	610
HLSXA-500	413	663	456	732	500	803	599	961	684	1089	760	1220
HLSXA-800	661	1061	730	1172	800	1284	959	1539	1095	1757	1215	1950

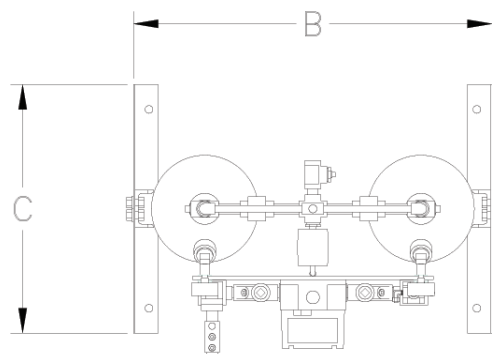
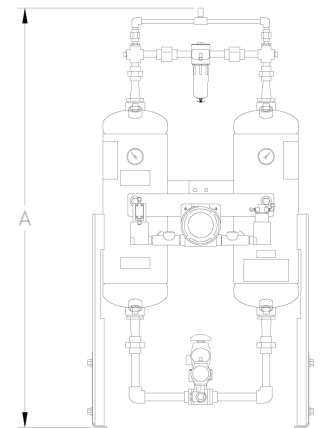
Maximum capacities based on 100°F inlet and 100% RH. HLSXA dryers must have clean, lubricant free feed air.

Temperature Corrections Factors

Multiply maximum capacity by .9 for 110°F or .8 for 120°F inlet temperature. For assistance selecting a dryer in a non-standard application, please consult the factory.

Operating Conditions

	Maximum	Minimum
Pressure	250 PSIG	80 PSIG
Inlet Air	120°F	40°F
Ambient Temperature	120°F	40°F



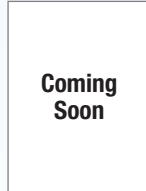
HLSXA Series - PDF Downloads

Installation, Operation and Maintenance Manuals

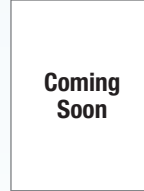
HLSXA-55



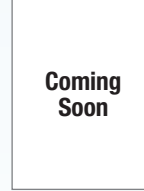
HLSXA-150



HLSXA-120



HLSXA-80



Sales Drawings

HLSXA-55



HLSXA-150



HLSXA-80



HLSXA-120

