VAN GAS TECHNOLOGIES

HLSXG Explosion Proof Series Heatless Dryers

Safety and reliability in demanding environments

Van Air Systems Explosion Proof Series Heatless dryers deliver extremely dry gas in the harshest and most challenging operating environments where safety and performance are of central importance. HLSXG 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.

HLSXG Explosion Proof Series dryers are for natural gas service. HLSXG dryers remove water vapor from saturated streams of hydrocarbon gas through the process of pressure swing absorption. HLSXG dryers deliver a -40°F water dew point and are ideal for instrument gas drying and fuel gas conditioning. All seals and solenoids are approved for gas service. Purge gas and exhaust vapors from control solenoids are routed to a single collection point and may be routed to a vapor recovery unit or flare.

Explosion Proof Heatless Dryers are ideal for:

- Instrument gas dehydration
- Fuel gas conditioning
- Instrument gas 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 HLSXG SERIES

Safe // Reliable // Operates in hazardous environments

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)
- Stainless steel control tubing (HLSXG)
- HLSXG – natural gas 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 in	A cm	B in	B cm	C in	C cm	In/Out Conn.	Desiccant Weight Per Tower lbs	Desiccant Weight Per Tower kg	Weight with Desiccant lbs	Weight with Desiccant kg	Pre-filter	After-filter
HLSXG-55	56	140	29	74	21	53	1/2" NPT	33 1/2	16	280	127	GF200-55-1/2-C-MD-PD5	GF200-55-1/2-RB-MD-PD5
HLSXG-80	65	165	29	74	21	53	3/4" NPT	47	22	340	154	GF200-85-3/4-C-MD-PD5	GF200-85-3/4-RB-MD-PD5
HLSXG-120	77	196	29	74	21	53	1" NPT	68	31	415	188	GF200-150-1-C-MD-PD5	GF200-150-1-RB-MD-PD5
HLSXG-150	87	221	29	74	22	56	1" NPT	83	38	475	216	GF200-150-1-C-MD-PD5	GF200-150-1-RB-MD-PD5
HLSXG-250	91	231	37	94	25	64	1 1/2" NPT	130	59	710	322	GF200-265-1-1/4-C-MD-PD5	GF200-265-1-1/4-RB-MD-PD5
HLSXG-500	89	226	43	109	28	71	1 1/2" NPT	266	121	1162	527	GF200-500-2-C-MD-PD5	GF200-500-2-RB-MD-PD5
HLSXG-800	104	264	53	135	37	94	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 HLSXG MSCFD for -40°F PDP

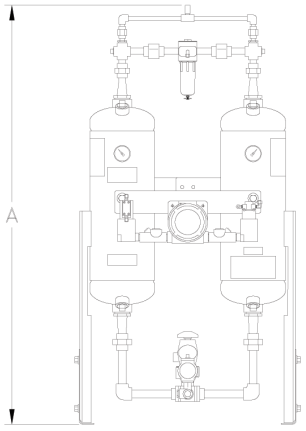
Model No.	80 PSIG	90 PSIG	100 PSIG	150 PSIG	200 PSIG	250 PSIG
HLSXG-55	65	72	79	95	108	121
HLSXG-80	95	105	115	138	158	174
HLSXG-120	143	158	173	207	236	262
HLSXG-150	179	197	216	259	295	328
HLSXG-250	297	329	360	431	493	547
HLSXG-500	594	657	720	863	985	1094
HLSXG-800	951	1052	1152	1380	1576	1750

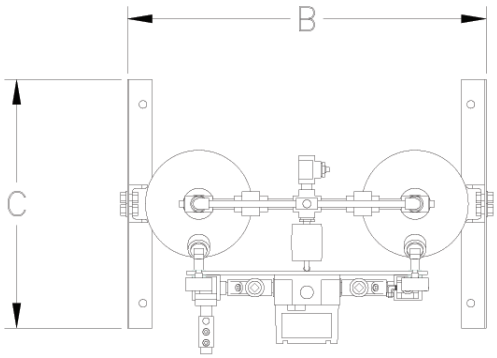
Maximum capacities based on 100°F inlet and 100% RH. HLSXG dryers must have clean, lubricant free feed gas.

Temperature Corrections Factors

Multiply maximum capcity 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 Gas Temperature	120°F	40°F
Ambient Temperature	120°F	40°F





VAN GAS TECHNOLOGIES

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HLSXA & HLSXG Series - PDF Downloads

Installation, Operation and Maintenance Manuals

HLSXG-55

Coming Soon

HLSXG-80

Coming Soon

HLSXG-120


VAN GAS
INSTALLATION, OPERATION & MAINTENANCE MANUAL
FOR
HEATLESS REGENERATIVE
COMPRESSED GAS DRYER SYSTEM

HLSXG-150


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Sales Drawings

HLSXG-55

Coming Soon

HLSXG-80

Coming Soon

HLSXG-120

Coming Soon

HLSXG-150

Coming Soon