

rental dryer packages

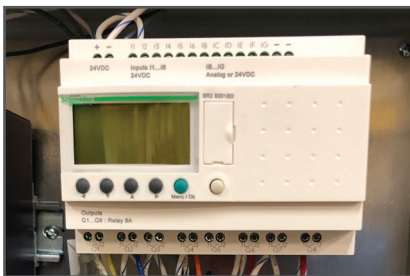
FEATURES

- clean, dry compressed air in one complete portable package
 - ① air-cooled air motor driven aftercooler reduces hot air temperature to within 5 degrees of ambient temperature
 - ② high efficiency F1 water separator with automatic drain for removal of bulk water and liquid oil condensed out of air stream by the aftercooler
 - ③ F1 high efficiency F1 coalescing pre-filters (0.01 micron) with automatic drain
 - ④ high performance twin tower heatless desiccant dryer removes water vapor using pressure swing adsorption technique down to -40°F/°C dew point for ISO class 2 applications
 - ASME coded pressure vessels
 - UL/cUL compliant
 - ⑤ F1 high efficiency particulate after filters (1.0 micron) for removal of desiccant dust and particulate at point of use
- skid mounted for ease of transport
- built for outdoor service to withstand harsh environments
- applications include petrochemical, pipeline companies, painting/blasting, re-rent and maintenance turnaround



PLC controlled operation

dryer is operated by a robust and reliable PLC system housed in a NEMA4x control panel



valves

pneumatically actuated high-performance butterfly valves for the highest reliability



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SPECIFICATIONS

dryer model	inlet & outlet ⁽¹⁾	rated flow ⁽²⁾		dimensions			approx. weight ⁽³⁾	filtration ⁽⁴⁾		
	NPT (F) / Flg	scfm	Nm ³ /h	W	D	H	lbs	water separator	pre filter	after filter
HLA 1300-F2-RENTAL	3"	1300	2208	61	98	94	4350	NF 1500 WS	NF 1500 M01	NF 1500 M1
HLA 1500-F2-RENTAL	3"	1500	2548	96	98	89.1	4850	NF 1500 WS	NF 1500 M01	NF 1500 M1
HLA 3800-F2-RENTAL	6"	3800	6456	154.5	96	98.3	11,000	AFE4000WS	NFZ 3000 M01	NFZ 3000 M1

specifications	standard	optional
maximum particle size (ISO class) ⁽⁵⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽⁵⁾	class 2 (-40°F pdp)	class 1 (-94°F pdp)
minimum/ design /maximum operating pressure range ⁽⁶⁾	70 psig / 100 psig / 150 psig	-
minimum / design/ maximum ambient temperature	38°F / 100°F / 120°F	-
minimum / design / maximum inlet temperature	38°F / 100°F/ 120°F	-
power supply requirements	115V/1Ph/60Hz	230V/1Ph/60Hz & 12 VDC

pressure correction factors ⁽⁷⁾									
operating pressure (psig)	60	70	80	90	100	110	130	140	150
correction factor	0.65	0.74	0.83	0.91	1.00	1.04	1.12	1.16	1.20

temperature correction factors ⁽⁷⁾								
inlet temperature (°F)	70	80	90	100	105	110	115	120
correction factor	1.12	1.10	1.06	1.00	0.93	0.86	0.80	0.75

- (1) 3" are NPT(F) threaded. 6" are flanged. All units with 3" piping and above will be ANSI welded pipe
- (2) in compliance with ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure dew point: -40°F. For all other conditions refer to the correction factors or contact support@n-psi.com
- (3) approx. weight for all models does not include desiccant installed
- (4) includes water separator, pre and after filters mounted on the dryers
- (5) per ISO 8573.1:2010
- (6) maximum working pressure for all models is 150 psig. For higher pressures, contact support@n-psi.com
- (7) be used as a rough guide only. All applications should be confirmed by nano. Contact nano for sizing assistance
- (8) all models are UL/cUL compliant
- (9) all models have ASME coded pressure vessels. For other approvals, consult support@n-psi.com
- (10) for other flow rates and pressure please contact support@n-psi.com
- (11) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182