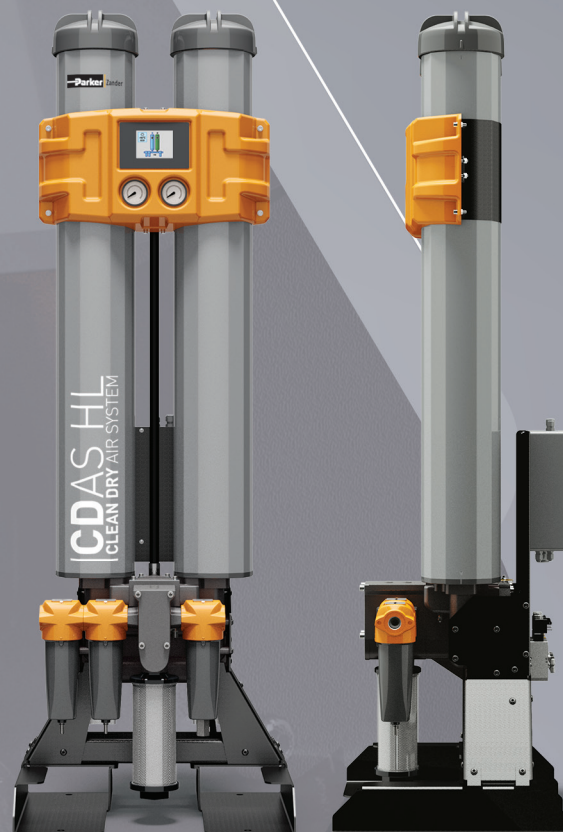




COMPRESSED AIR TREATMENT

REDEFINED



CDAS HL CLEAN DRY AIR SYSTEM

Parker Zander Clean Dry Air System. Innovative engineering and technology.

Combining sophisticated OIL-X filtration technology with an optimised drying system, the CDAS is designed to deliver consistent high performance over an extended period. Air quality is third party validated to ISO 7183 and ISO 8573-1, so you can be completely confident of your compressed air quality.

ENERGY SAVING TECHNOLOGY

Standard on all units, it automatically adapts dryer operation to the ambient inlet conditions and compressed air demand, resulting in reduced maintenance and significantly lower energy costs - often with savings of up to 85%.

- › 'Power on' and fault indication
- › Dryer and filter service indicators
- › Dewpoint display
- › Fault relay: power, dewpoint alarm and sensor failure
- › 4-20mA dewpoint re-transmission

- › **HMI display screen**
Large screen display offering a wealth of clear, useable, real-time information.
- › **High strength desiccant**
Cartridges are snowstorm filled with high strength desiccant that has a 5-year lifetime, providing consistent drying, re-generation and dewpoint.
- › **Pre-mounted filters**
New series OIL-X filters engineered to provide validated ISO 8573-1 performance.
- › **Threaded top end-cap**
Threaded end-cap enables the straightforward replacement of the desiccant cartridge.
- › **Purge setting**
The purge air can be set at minimum operating pressure easily, without the need for specialist tools.
- › **Corrosion protected column**
With a 10-year guarantee, to ensure a long operational life.
- › **Full bore internal flow paths**
Featuring optimised flow management for reduced pressure drop.
- › **Full bore cylinder valve system**
Low pressure loss valves provide full air flow and minimal back pressure, whilst robust cylinders extend service intervals.
- › **Base plate**
Designed for pallet trucks, allowing for easy, time-saving installation.

Product Selection

CDAS

HL (Heatless)

050

055

060

065

070

075

080

085

G (BSPP)

N (NPT)

16

E (EST)

Series	Regeneration Type	Model	Dewpoint	Connections	Max Pressure	Power Supply	Controller
CDAS	HL	065	-40	G	16	A	E

-40°C (ISO8573-1:2010 Classification (Standard), Class 2.2.2)

-70°C (ISO8573-1:2010 Classification (Option 1), Class 2.1.2)

-20°C (ISO8573-1:2010 Classification (Option 2), Class 2.3.2)

A (AC)*

D (DC)*

* AC-85 - 265v 1ph 50/60Hz. DC-24v direct connection.

Flow Rates

Stated flows are for operation at 7 bar (g) (102 psi g) with reference to 20°C, 1 bar (a), 0% relative water vapour pressure.

Model	Port Connection	Inlet Flow Rate			
		L/s	m³/min	m³/hr	cfm
CDAS HL 50	½	15	0.92	55	32
CDAS HL 55	½	19	1.17	70	41
CDAS HL 60	½	25	1.50	90	53
CDAS HL 65	½	31	1.84	110	65
CDAS HL 70	¾	42	2.51	150	88
CDAS HL 75	1	51	3.09	185	109
CDAS HL 80	1	61	3.67	220	129
CDAS HL 85	1	83	5.01	300	177

Product Selection & Correction Factors

For correct operation, compressed air dryers must be sized for the minimum inlet pressure, maximum inlet temperature and maximum flow rate at the point of installation. To select a dryer, first calculate the MDC (Minimum Drying Capacity) using the formula below then select a dryer from the flow rate table above, with a flow rate equal to or greater than the MDC. Minimim Drying Capacity = System Flow x CFIT x CFAT x CFP x CFD.

CFIT - Correction Factor Maximum Inlet Temperature

Maximum Inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
Correction Factor		1	1	1	1.04	1.14	1.37

CFAT - Correction Factor Maximum Ambient Temperature

Maximum Ambient Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
Correction Factor		1	1	1	1	1	1

CFP - Correction Factor Minimum Inlet Pressure

Minimum Inlet Pressure	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		1.60	1.33	1.14	1.00	0.89	0.80	0.73	0.67	0.62	0.57	0.53	0.50	0.47

CFD - Correction Factor Dewpoint

Maximum Inlet Temperature	°C	-20	-40	-70
	°F	-4	-40	-100
Correction Factor		0.91	1	1.43

Technical Data

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature		Max Ambient Temperature		Electrical Supply	Filter Thread Connections	Noise Level
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F			dB(A)
CDAS HL 50-85	4	58	16	232	5	41	50	122	55	131	85 - 265V 1ph 50/60Hz or 24V DC direct connection	BSPP or NPT	<75

OIL-X Pre-Mounted Filters

Filtration Position	Inlet	Inlet	Outlet
Filtration Grade	Grade A0	Grade AA	Grade A0
Filtration Type	Coalescing	Coalescing	Dry Particulate
Particle Removal (inc water & oil aerosols)	Down to 1 micron	Down to 0.01 micron	Down to 1 micron
Maximum Remaining Oil Content at 21°C	0.5 mg/m³ (0.5 ppm(w))	0.01 mg/m³ (0.01 ppm(w))	N/A
Filtration Efficiency	99.925%	99.9999%	99.925%

Weight & Dimensions

Model	Dimensions						Weight		Inlet		Outlet
	Height (H)		Width (W)		Depth (D)				General Purpose Coalescing Filter	High Efficiency Coalescing Filter	General Purpose Dry Particulate Filter
	mm	ins	mm	ins	mm	ins	kg	lbs			
CDAS HL 50	1100	43	515	20	450	20			AOS015C	AAS015C	AOS015C
CDAS HL 55	1240	49	515	20	450	20			AOS015C	AAS015C	AOS015C
CDAS HL 60	1395	55	515	20	450	20			AOS020C	AAS020C	AOS020C
CDAS HL 65	1525	60	515	20	450	20			AOS025D	AAS025D	AOS025D
CDAS HL 70	1805	71	515	20	450	20			AOS025D	AAS025D	AOS025D
CDAS HL 75	1525	60	615	24	580	24			AOS025E	AAS025E	AOS025E
CDAS HL 80	1655	65	615	24	580	24			AOS025E	AAS025E	AOS025E
CDAS HL 85	1935	76	615	24	580	24			AOS030E	AAS030E	AOS030E

Pressure Vessel Approvals

Developed and Manufactured to DIN EN ISO 9001, DIN EN ISO 14001 and IP65.
Pressure vessel approved for fluid group 2 in accordance with the Pressure Equipment Directive 97/23/EC and AS1210.
Approval to ASME VIII Div. 1 not required. For use with Compressed Air and Gaseous Nitrogen.

For more information please contact your local sales office or visit www.parker.com/gsf

Parker has a continuous policy of product development and although the company reserves the right to changes specifications, it attempts to keep customers informed of any alterations.

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