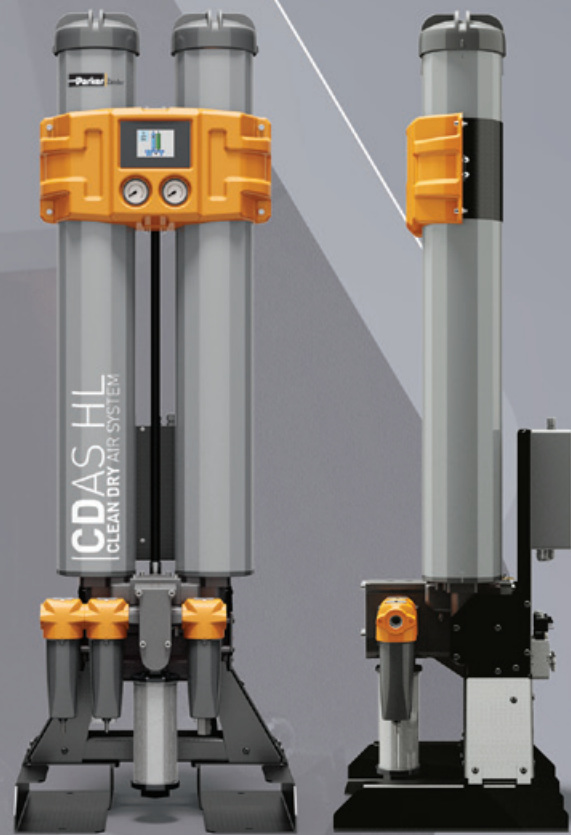




COMPRESSED AIR TREATMENT
REDEFINED



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

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

* 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 " BSPP or NPT	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 ½"	83	5.01	300	177

Product Selection & Correction Factors

For correct operation, compressed air dryers must be sized using for the minimum pressure, maximum temperature and maximum flow rate of the 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 above the MDC. **Minimum 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		1.00	1.00	1.00	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		1.00	1.00	1.00	1.04	1.14	1.37

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		2.00

Technical Data

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature		Max Ambient Temperature		Electrical Supply (Standard)	Electrical Supply (Optional)	Filter Thread Connections	Noise Level dB(A)
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F				
CDAS HL 50-85	4	58	16	232	5	41	50	122	55	131	85 - 265V 1ph 50/60Hz	24V DC	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/m ³ (0.5 ppm(w))	0.01 mg/m ³ (0.01 ppm(w))	N/A
Filtration Efficiency	99.925%	99.9999%	99.925%

Weight & Dimensions

Model	Port Connection Inlet / Outlet	Dimensions						Weight		Inlet		Outlet
		Height (H)		Width (W)		Depth (D)		kg	lbs	General Purpose Coalescing Filter	High Efficiency Coalescing Filter	General Purpose Dry Particulate Filter
		mm	ins	mm	ins	mm	ins					
CDAS HL 50	½"	1133	45	559	22	490	19	76	168	AOP015C	AAP015C	AOP015C
CDAS HL 55	½"	1313	52	559	22	490	19	84	185	AOP015C	AAP015C	AOP015C
CDAS HL 60	½"	1510	59	559	22	490	19	93	205	AOP020C	AAP020C	AOP020C
CDAS HL 65	½"	1660	65	559	22	490	19	100	220	AOP020C	AAP020C	AOP020C
CDAS HL 70	¾"	2020	80	559	22	490	19	120	265	AOP025D	AAP025D	AOP025D
CDAS HL 75	1"	1595	63	559	22	682	27	165	364	AOP025E	AAP025E	AOP025E
CDAS HL 80	1"	1745	69	559	22	682	27	180	397	AOP025E	AAP025E	AOP025E
CDAS HL 85	1 ½"	2105	83	559	22	682	27	210	463	AOP030G	AAP030G	AOP030G

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 2014/68/EU 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.

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,
Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener
Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IL – Israel
Tel: +39 02 45 19 21
parker.israel@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Toluca
Tel: +52 72 2275 4200

European Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI,
FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU,
SE, SK, UK, ZA)

Parker Hannifin Ltd.

Tachbrook Park Drive
Tachbrook Park,
Warwick, CV34 6TU
United Kingdom
Tel.: +44 (0) 1926 317 878
Fax: +44 (0) 1926 317 855
parker.uk@parker.com
www.parker.com/gsf