Parker Zander

parker.com/gsfe

ENGINEERING YOUR SUCCESS.

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.

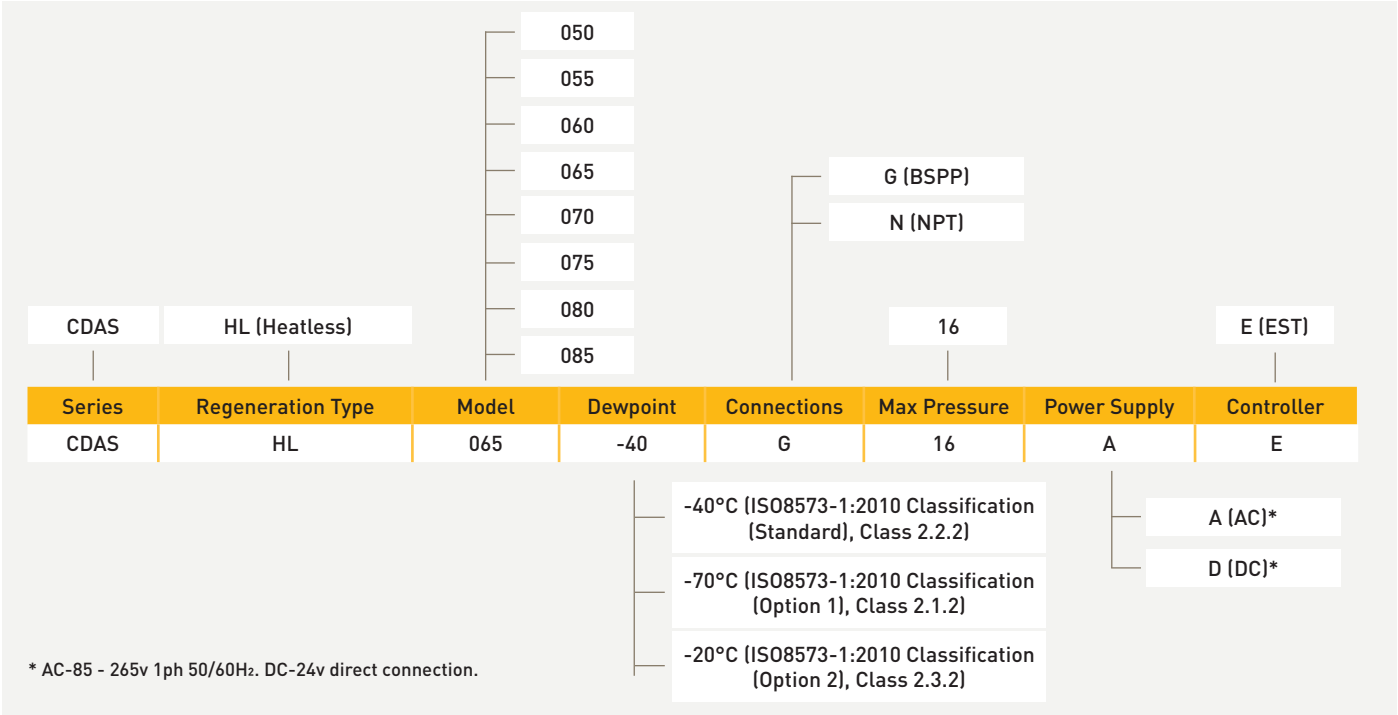
Corrosion protected column
With a 10-year guarantee, to ensure a long operational life.

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



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 AO	Grade AA	Grade AO
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	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/gsfe**

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)

Catalogue XXXXX/UK MM/YYYY-TMCZ
(month/year-printer name)

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

Parker Zander

Your local authorized Parker distributor