



COMPRESSED AIR TREATMENT REDEFINED



CDAS HL CLEAN DRY AIR SYSTEM

Parker Airtek 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.

CFP - Correction Factor Minimum Inlet Pressure

Minimum Inlet Pressure	psi g	58	73	87	100	116	131	145	160	174	189	203	218	232
	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16
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	°F	-4	-40	-94
	°C	-20	-40	-70
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
	psi g	bar g	psi g	bar g	°F	°C	°F	°C	°F	°C				
CDAS HL 50-85	58	4	232	16	41	5	122	50	131	55	85 - 265V 1ph 50/60Hz	24V DC	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)		lbs	kg	General Purpose Coalescing Filter	High Efficiency Coalescing Filter	General Purpose Dry Particulate Filter
		ins	mm	ins	mm	ins	mm					
CDAS HL 50	½"	45	1133	22	559	19	490	168	76	AOP015C	AAP015C	AOP015C
CDAS HL 55	½"	52	1313	22	559	19	490	185	84	AOP015C	AAP015C	AOP015C
CDAS HL 60	½"	59	1510	22	559	19	490	205	93	AOP020C	AAP020C	AOP020C
CDAS HL 65	½"	65	1660	22	559	19	490	220	100	AOP020C	AAP020C	AOP020C
CDAS HL 70	¾"	80	2020	22	559	19	490	265	120	AOP025D	AAP025D	AOP025D
CDAS HL 75	1"	63	1595	22	559	27	682	364	165	AOP025E	AAP025E	AOP025E
CDAS HL 80	1"	69	1745	22	559	27	682	397	180	AOP025E	AAP025E	AOP025E
CDAS HL 85	1 ½"	83	2105	22	559	27	682	463	210	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 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/faf

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.

Worldwide Filtration Manufacturing Locations

North America

Compressed Air Treatment

Industrial Gas Filtration and Generation Division

Airtek/Finite/domnick hunter/Airtek
Lancaster, NY
716 686 6400
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Balston
Haverhill, MA
978 858 0505
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Engine Filtration

Racor

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Holly Springs, MS
662 252 2656
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Hydraulic Filtration

Hydraulic & Fuel Filtration

Metamora, OH
419 644 4311
www.parker.com/hydraulicfilter

Laval, QC Canada
450 629 9594
www.parkerfarr.com

Velcon
Colorado Springs, CO
719 531 5855
www.velcon.com

Process Filtration

domnick hunter Process Filtration SciLog

Oxnard, CA
805 604 3400
www.parker.com/processfiltration

Water Purification

Village Marine, Sea Recovery, Horizon Reverse Osmosis

Carson, CA
310 637 3400
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