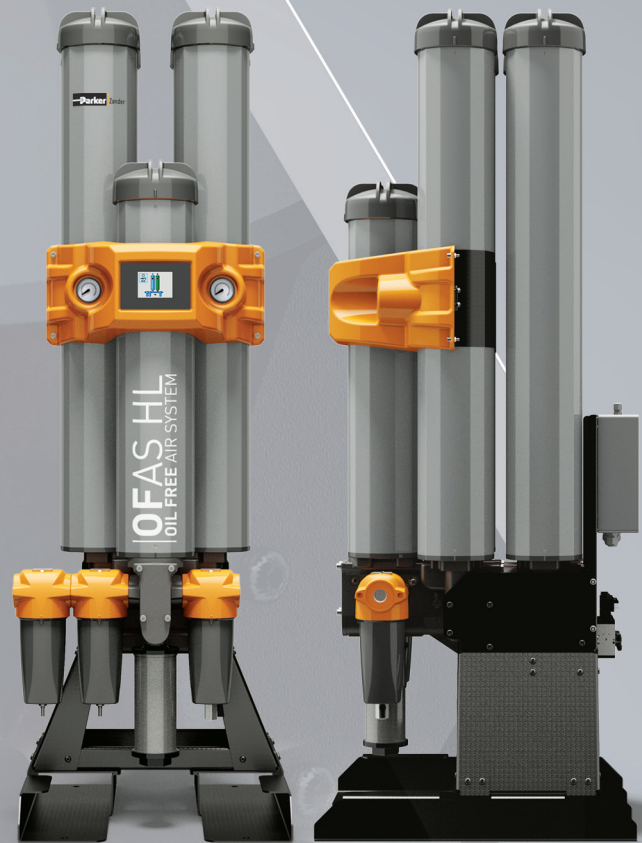




COMPRESSED AIR TREATMENT
REDEFINED



OFAS HL
OIL FREE AIR SYSTEM

**Parker Zander Oil Free Air System.
Innovative engineering and technology.**

Combining sophisticated OIL-X filtration technology with an optimised drying system, the OFAS is designed to deliver consistent high performance over an extended period. Air quality is third party validated to ISO 7183 and ISO 8573-1 and also offers class 0 for total oil. So you can be completely confident of your compressed air quality.

ISO 8573-1
CLASS 0 AIR

The OFAS is third party validated by Lloyds register to provide ISO 8573-1 Class 0, with respect to total oil from both oil lubricated and oil free compressors, ensuring the highest quality air at the point of use for critical applications.

- › **Energy Saving Technology**
Standard on all units, it automatically adapts dryer operation to the ambient inlet conditions and compressed air demand, ensuring optimum energy consumption and full utilisation of the desiccant material.
- › **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

The diagram shows a tree structure of product options. The main branches are Series (OFAS, HL (Heatless)), Model (050, 055, 060, 065, 070, 075, 080, 085), Connections (G (BSPP), N (NPT)), Max Pressure (16), and Controller (E (EST)). A table below the diagram shows the selected configuration: Series OFAS, Regeneration Type HL, Model 065, Dewpoint -40, Connections G, Max Pressure 16, Power Supply A, and Controller E. A detailed view of the Dewpoint options shows: -40°C (ISO8573-1:2010 Classification (Standard), Class 2.2.1), -70°C (ISO8573-1:2010 Classification (Option 1), Class 2.1.1), and -20°C (ISO8573-1:2010 Classification (Option 2), Class 2.3.1). Power Supply options are A (AC)* and D (DC)*.

Series	Regeneration Type	Model	Dewpoint	Connections	Max Pressure	Power Supply	Controller
OFAS	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	Inlet Flow Rate			
		L/s	m³/min	m³/hr	cfm
OFAS HL 50	½	15	0.92	55	32
OFAS HL 55	½	19	1.17	70	41
OFAS HL 60	½	25	1.50	90	53
OFAS HL 65	½	31	1.84	110	65
OFAS HL 70	¾	42	2.51	150	88
OFAS HL 75	1	51	3.09	185	109
OFAS HL 80	1	61	3.67	220	129
OFAS 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. 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	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)
OFAS HL 50-85	4	58	16	232	5	41	50	122	55	131	85 - 265V 1ph 50/60Hz or 24V DC direct connection	BSP or NPT	<75

OIL-X Pre-Mounted Filters

Filtration Position	Inlet	Inlet	Outlet	Outlet
Filtration Grade	Grade A0	Grade AA	OVR	Grade A0
Filtration Type	Coalescing	Coalescing	Oil Vapour Removal	Dry Particulate
Particle Removal (inc water & oil aerosols)	Down to 1 micron	Down to 0.01 micron	N/A	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))	0.003mg/m ³ at system temperature (0.003ppm(w)) at system temperature	N/A
Filtration Efficiency	99.925%	99.9999%	N/A	99.925%

Weight & Dimensions

Model	Dimensions						Weight		Inlet		Outlet	
	Height (H)		Width (W)		Depth (D)				General Purpose Coalescing Filter	High Efficiency Coalescing Filter	Oil Vapour Removal Filter	General Purpose Dry Particulate Filter
	mm	ins	mm	ins	mm	ins						
OFAS HL 50									AOS015C	AAS015C	Included	AOS015C
OFAS HL 55									AOS015C	AAS015C	Included	AOS015C
OFAS HL 60									AOS020C	AAS020C	Included	AOS020C
OFAS HL 65									AOS025D	AAS025D	Included	AOS025D
OFAS HL 70									AOS025D	AAS025D	Included	AOS025D
OFAS HL 75									AOS025E	AAS025E	Included	AOS025E
OFAS HL 80									AOS025E	AAS025E	Included	AOS025E
OFAS HL 85									AOS030E	AAS030E	Included	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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