J&J Air Systems

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ENGINEERING YOUR SUCCESS.

Compressed Air and Gas Treatment Price Guide

2019

Price list notes

For an upto date copy of our Terms and Conditions of Sales please refer to the Parker Hannifin web site or search "Parker Hannifin Terms and Conditions of Sales".

We make every effort to ensure the correctness of this publication. It is always important to refer to the latest technical publications and user guide(s) and if in doubt please ask us for help.
E&OE

APPROVALS, ACCREDITATIONS AND ASSOCIATIONS

Parker domnick hunter

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ISO9001:2000 ISO14001

INTERNATIONAL APPROVALS

CE ASME VIII CRN

Lloyd's Register AS1210

bcas

CAGI

pneurop

VDMA Druckluft effizient

Index

Compressed air and Gas Filtration, purification and separation products

NEW OIL-X

NEW CDAS

NEW OFAS

OIL-X Redefined

Grades AOP and AAP for Coalescing Liquids and Particle Removal in Compressed Air or gaseous Nitrogen and Grade ACSP for Oil Vapour Removal.

Filter coding examples

Cast aluminium filters P010 - P030 (G1/4" to G1 1/2")

Grade	Model	Pipe Size	Connection Type	Drain Option	Incident Monitor Option
AOP, AAP or ACSP	3 digit code denotes filter housing size	Letter denotes port size inches	G = BSPP N = NPT	**FI =** Float + Incident Monitor	
				MI = Manual + Incident Monitor	
				MX = Manual Drain - No Incident Monitor for ACSP	
				FX = Not Available	
Example code				AAP020CGFI	

P035 - P055 (G1 1/2" to G3")

Drain Option	Incident Monitor Option
FX = Float Drain only	
MX = Manual Drain Only	
FI and MI - Not Available	
DP Monitor sold separately	
Example Code	AAP040HGFX

P060 (G4")

Drain Option	Incident Monitor Option
FX = Float Drain only	
MX = Manual Only	
FI and MI - Not Available	
DP sold separately	
Example Code	AAP060KGFX

Filter Performance	Filter Type	Particle Removal (Inc. water & oil aerosols)	Max Remaining Oil Content at 21°C (7°F)	Filtration Efficiency	Test Methods Used	ISO12500-1 Inlet Challenge Concentration	Initial Dry Differential Pressure	Initial Saturated Differential Pressure	Change Element Every	Pre cede With
WSP	Bulk Liquid Removal	Not Applicable	Not Applicable	>92%	ISO8573.9	Not Applicable	Refer Rated Flow Chart		Not Applicable	-
AOP	Coalescing (Liquid and Particulate)	Down to 1 Micron	0.5mg/m^3 0.5 ppm(w)	99.925%	ISO8573-2 ISO12500-1	40 mg/m^3	<70 mbar (1.0 psi)	<125 mbar (1.8 psi)	12 months	WSP Bulk Liquid
AAP	Coalescing (Liquid and Particulate)	Down to 0.01 Micro	0.01mg/m^3 0.01 ppm(w)	99.9999%	ISO8573-2 ISO12500-1	10 mg/m^3	<70 mbar (1.0 psi)	<125 mbar (1.8 psi)	12 months	AOP
AOP with Manual Drain	Dust (DRY Particulate)	Down to 1 Micron	Not Applicable	99.925%	ISO8573-4	Not Applicable	<70 mbar (1.0 psi)	N/A	12 months	-
AAP with Manual Drain	Dust (DRY Particulate)	Down to 0.01 Micro	Not Applicable	99.9999%	ISO8573-4	Not Applicable	<70 mbar (1.0 psi)	N/A	12 months	-
ACSP	Oil Vapour Removal	Not Applicable	0.003mg/m3 0.003 ppm(w)	Not Applicable	ISO8573-5	Not Applicable	<140 mbar (2.0 psi)	N/A	When Oil Vapour detected.	AAP

Technical Data	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
WSP010-WSP055 "FX"	"FX" standard configuration with Float Drain	**1**	15	**16**	232	**2**	35	**80**	176
WSP010-WSP055 "MX"	"MX" option with Manual Drain ONLY	**1**	15	**20**	290	**2**	35	**80**	176
AOP,AAP010-030 "FI"	"FI" standard configuration	**1**	15	**16**	232	**2**	35	**80**	176
AOP, AAP010-030 "MI"	"MI" option with Manual Drain	**1**	15	**20**	290	**2**	35	**80**	176
AOP, AAP035-055 "FX"	"FX" standard configuration	**1**	15	**16**	232	**2**	35	**80**	176
AOP, AAPP035-055 "MX"	"MX" option with Manual Drain ONLY	**1**	15	**20**	290	**2**	35	**100**	212
ACSP010-055	"MX" standard configuration	**1**	15	**20**	290	**2**	35	**50**	122
WSP, AOP, AAP060 "FX" and "MX"	"FX" standard configuration with Float Drain or "MX" Manual Drain and when fitted with any electronic drain or gauge accessory.	**1**	15	**16**	232	**2**	35	**66**	150
ACSP060MX	"MX" standard configuration	**1**	15	**16**	232	**2**	35	**50**	122

Technical Data	Accessory detail	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
DPIK	Incident Monitor fitted as standard AOP and AAP010 to 030	**0**	0	**20**	290	**2**	35	**80**	176
ZD90GL and ZD90FL	optional calibrated analogue DP Gauge for AOP and AAP035 to 055	**0**	0	**16**	232	**2**	35	**80**	176
ZDE90GL and ZDE90FL	optional calibrated analogue DP Gauge for AOP and AAP035 to 055 with volt free contact	**0**	0	**16**	232	**2**	35	**80**	176
DPM-060	Incident Monitor for AOP and AAP060	**0**	0	**16**	232	**2**	35	**66**	150
PD15NO	Float Drain for 010 to 055 Filters	**2**	30	**16**	232	**2**	35	**80**	176
EM1	Manual Drain for 010 to 055 Filters	**0**	0	**20**	232	**2**	35	**80**	176
HDF120A	Float "Egg" Drain for 060 Filters	**1**	15	**16**	232	**2**	35	**66**	150
605006470	Manual Drain for 060 Filters	**0**	0	**16**	232	**2**	35	**66**	150
ED3002-G230	Fully automatic, magnetic level sensing, electronic drain 230v 50-60Hz for 010 to 030	**0**	0	**16**	232	**2**	35	**60**	140
ED3004-G230	Fully automatic, magnetic level sensing, electronic drain 230v 50-60Hz for 035 to 055	**0**	0	**16**	232	**2**	35	**60**	140
ED3007-G230	Fully automatic, magnetic level sensing, electronic drain 230v 50-60Hz for 060	**0**	0	**16**	232	**2**	35	**60**	140

OIL-X Bulk Water Separators

Bulk liquid removal in Compressed Air or gaseous Nitrogen Systems

Delivering Filtration Efficiency > 92% based on ISO8573.9

Technical data

Grade	Water Separator Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
WS	P010 to P055	1	15	16	232	2	35	80	176
WS	P060	1	15	16	232	2	35	66	150

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar g, 0% relative water vapour pressure.

	Model	Port Conn	m3/hr @ pressure drop (mbar)				Height (H)		Width (W)		Depth (D)		Weight		UNIT PRICE
			<50	<70	<100	<120	mm	ins	mm	ins	mm	ins	kg	lbs	GBP
Cast Aluminium Range	WSP010AGFX	G1/4"	27	**36**	45	54	181	7.2	76	3.0	64	2.5	0.6	1.3	**131.74**
	WSP010BGFX	G3/8"	27	**36**	45	54	181	7.2	76	3.0	64	2.5	0.6	1.3	**131.74**
	WSP010CGFX	G1/2"	27	**36**	45	54	181	7.2	76	3.0	64	2.5	0.6	1.3	**131.74**
	WSP015CGFX	G1/2"	54	**108**	144	180	235	9.3	97	3.8	84	3.3	1.1	2.4	**175.64**
	WSP020DGFX	G3/4"	54	**108**	144	180	235	9.3	97	3.8	84	3.3	1.1	2.4	**175.64**
	WSP025DGFX	G3/4"	297	**396**	495	594	275	10.8	129	5.1	115	4.5	2.2	4.8	**281.67**
	WSP025EGFX	G1"	297	**396**	495	594	275	10.8	129	5.1	115	4.5	2.2	4.8	**281.67**
	WSP030GGFX	G1 1/2"	297	**396**	495	594	275	10.8	129	5.1	115	4.5	2.2	4.8	**281.67**
	WSP035GGFX	G1 1/2"	630	**945**	1260	1575	432	17	170	6.7	156	6.1	5.1	11.2	**491.59**
	WSP040HGFX	G2"	630	**945**	1260	1575	432	17	170	6.7	156	6.1	5.1	11.2	**491.59**
	WSP045IGFX	G2 1/2"	630	**945**	1260	1575	432	17	170	6.7	156	6.1	5.1	11.2	**491.59**
	WSP050IGFX	G2 1/2"	1440	**2160**	2880	3600	504	19.9	205	8.1	181	7.1	10.0	22.0	**1,163.10**
	WSP055JGFX	G3"	1440	**2160**	2880	3600	504	19.9	205	8.1	181	7.1	10.0	22.0	**1,163.10**
	WSP060KGFX	G 4"	1800	**2700**	3600	4500	847	33.3	420	16.5	282	11.1	42.0	92.0	**2,395.83**

Flow Correction Factors for pressure (CFP)

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		4.00	2.63	2.00	1.59	1.33	1.14	1.00	0.94	0.89	0.85	0.82	0.79	0.76	0.73	0.71	0.68	0.67	0.65	0.63	0.62

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a WS model from the flow rate tables above (WS selected must have a flow rate equal to or greater than the minimum filtration capacity)

Notes: When ordering WSP010 to WSP060 for applications with operating pressure greater than 16 Bar G (232 psig) and upto MAX 20Bar G (290psig) substitute the "FX" Float drain with the "MX" Manual drain version.

OIL-X Flanged Water Separators (DN80 to DN300)

Bulk liquid removal in Compressed Air or gaseous Nitrogen Systems

Delivering Filtration Efficiency > 92% based on ISO8573.9

Technical data

Grade	Water Separator Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
WS	0800F to 7200F	1	15	16	232	2	35	66	150

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar g, 0% relative water vapour pressure.

	Model	Port Conn	m3/hr @ pressure drop (mbar)				Height (H)		Width (W)		Depth (D)		Weight		UNIT PRICE
			<50	<70	<100	<120	mm	ins	mm	ins	mm	ins	kg	lbs	GBP
Flanged	WS-0800F-CE	DN80	2160	**2880**	3600	4320	1070	42.1	370	14.6	285	11.2	66	146	**4,388.48**
	WS-1000F-CE	DN100	2700	**3600**	4500	5400	1120	44.1	450	17.7	340	13.4	102	225	**6,706.25**
	WS-1800F-CE	DN150	4860	**6480**	8100	9720	1240	48.8	580	22.8	460	18.1	191	434	**8,880.69**
	WS-3000F-CE	DN200	8100	**10800**	13500	16200	1585	62.4	750	29.5	640	25.2	397	875	**16,426.41**
	WS-4800F-CE	DN250	12960	**17280**	21600	25920	1570	61.8	862	33.9	715	28.2	537	1184	**21,763.56**
	WS-7200F-CE	DN300	19440	**25920**	32400	38880	1610	63.4	1000	39.4	840	33.1	675	1488	**31,527.41**

Flow Correction Factors for pressure (CFP)

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		4.00	2.63	2.00	1.59	1.33	1.14	1.00	0.94	0.89	0.85	0.82	0.79	0.76	0.73	0.71	0.68

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a WS model from the flow rate tables above (WS selected must have a flow rate equal to or greater than the minimum filtration capacity)

OIL-X Redefined GRADE AOP

"Oil-X Redefined, the unique low energy solution with independently validated performance."

Grades AO Coalescing Liquids and Particle Removal in Compressed Air or gaseous Nitrogen.

Particle Removal down to 1 micron Max Remaining Oil Content 0.5mg/m3 delivering Filtration of 99.925%

Initial Dry Differential Pressure <70mbar (1.0 psi) Initial Saturated Pressure drop <125mbar (1.8psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AOP	Threaded 010 to 060	1	15	16	232	2	35	80	176
	Threaded 010 to 055 with MANUAL DRAIN	1	15	20	290	2	35	80	176

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

	Model	Port Connection	Incident Monitor	L/S	m^3/min	m^3/hr	cfm	UNIT PRICE GBP
Cast Aluminium Ported Filters	AOP010AGFI	G1/4"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AOP010BGFI	G3/8"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AOP010CGFI	G1/2"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AOP015CGFI	G1/2"	DPI Fitted	20	1.2	**72**	42	**222.77**
	AOP020CGFI	G1/2"	DPI Fitted	30	1.8	**108**	64	**325.58**
	AOP020DGFI	G3/4"	DPI Fitted	30	1.8	**108**	64	**325.58**
	AOP025DGFI	G3/4"	DPI Fitted	60	3.6	**216**	127	**431.62**
	AOP025EGFI	G1"	DPI Fitted	60	3.6	**216**	127	**431.62**
	AOP030GGFI	G1 1/2"	DPI Fitted	110	6.6	**396**	233	**641.53**
	AOP035GGFX	G1 1/2"	Optional	160	9.6	**576**	339	**714.36**
	AOP040HGFX	G2"	Optional	220	13.2	**792**	466	**1,066.72**
	AOP045IGFX	G2 1/2"	Optional	330	19.1	**1188**	699	**1,255.21**
	AOP050IGFX	G2 1/2"	Optional	430	25.9	**1548**	911	**1,535.81**
	AOP055IGFX	G2 1/2"	Optional	620	37.3	**2232**	1314	**1,796.07**
	AOP055JGFX	G3"	Optional	620	37.3	**2232**	1314	**1,752.16**
	AOP060KGFX	G4"	Optional	1000	60.0	**3600**	2119	**2,395.83**

Replacement Element Kit	No.	UNIT PRICE Euro
P010AO	1	**53.55**
P010AO	1	**53.55**
P010AO	1	**53.55**
P015AO	1	**84.00**
P020AO	1	**97.65**
P020AO	1	**97.65**
P025AO	1	**119.70**
P025AO	1	**119.70**
P030AO	1	**140.70**
P035AO	1	**159.60**
P040AO	1	**190.05**
P045AO	1	**269.85**
P050AO	1	**317.10**
P055AO	1	**427.35**
P055AO	1	**427.35**
P060AO	3	**269.85**

Flow Correction Factors for pressure (CFP)

MUST HAVE Manual Drain - Order "MX" Option

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Accessory (unless stated otherwise all Differential Pressure Monitors, Gauges and Drains have MAX Operating Pressure 16 Bar G)

Accessory kits

Tie Rod kits (Filter Model / Number of)

TRK1-2	010 x2	26.88
TRK2-2	015-020 x2 and 015-020x3	26.88
TRK3-2	025-030 x2 and 025-030 x3	33.33
TRK4-2	035-045 x2 and 035-045 x3	45.15
TRK5-2	050-055 x2 and 050-055 x3	92.47

Filter Wall Mount Bracket(s) for Single Filter

MBK1-1	010 x1	35.48
MBK2-1	015-020 x1	35.48
MBK3-1	025-030 x1	50.53
MBK4-1	035-045 x1	66.66
MBK5-1	050-055 x1	88.16
for 2 or 3 in series		
MBK1-2	010 x2 AND x3	41.93
MBK2-2	015-020 x2 AND x3	41.93
MBK3-2	025 - 030 x2 AND x3	60.21
MBK4-2	035 - 045 x2 AND x3	74.19
MBK5-2	050 - 055 x2 AND x3	95.70

Differential Pressure Monitor(s) and Gauge(s)

DPIK	DPI 010-030	58.06
ZD90GL	DP Gauge 035-055	90.41
ZDE90GL	DP Analogue Gauge 035-055 (Calibrated with Reed contact)	441.25
DPM-060	DPM kit 060 G4"	84.61
ZD95FL	DPG Analogue for 065-095 Flanged Filter	182.50
ZDE95FL	DPG Analogue for 065-095 Flanged Filter with REED contact	427.27

DRAINS: Zero Loss ED, Automatic Float and Manual

PD15NO	Float Auto 010-055	31.18
EM1	Manual Drain 010-055 (Max Op 20 bar G)	53.09
HDF120A	Float Auto 060	69.89

Zero Loss ED Electronic Drain

ED3002-G230	010 to 030	155.90
ED3004-G230	035 to 055	189.23
ED3007-G230	060	306.43
MK-G15-G10I	ED3002 Mounting kit G1/2"	31.42
MK-G25-G15	ED3004-3100 Mounting kit G1/2"	45.51

OIL-X Redefined GRADE AAP

"Oil-X Redefined, the unique low energy solution with independently validated performance."

Grades AAP Coalescing Liquids and Particle Removal in Compressed Air or gaseous Nitrogen.

Particle Removal down to 0.01 micron Max Remaining Oil Content 0.01mg/m3 delivering Filtration of 99.9999%

Initial Dry Differential Pressure <70mbar (1.0 psi) Initial Saturated Pressure drop <125mbar (1.8psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AAP	Threaded 010 to 060	1	15	16	232	2	35	80	176
	Threaded 010 to 055 with MANUAL DRAIN	1	15	20	290	2	35	80	176

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

Cast Aluminium Ported Filters

Model	Port Connection	Incident Monitor	L/S	m^3/min	m^3/hr	cfm	UNIT PRICE GBP
AAP010AGFI	G1/4"	DPI Fitted	10	0.6	**36**	21	**181.00**
AAP010BGFI	G3/8"	DPI Fitted	10	0.6	**36**	21	**181.00**
AAP010CGFI	G1/2"	DPI Fitted	10	0.6	**36**	21	**181.00**
AAP015CGFI	G1/2"	DPI Fitted	20	1.2	**72**	42	**222.77**
AAP020CGFI	G1/2"	DPI Fitted	30	1.8	**108**	64	**325.58**
AAP020DGFI	G3/4"	DPI Fitted	30	1.8	**108**	64	**325.58**
AAP025DGFI	G3/4"	DPI Fitted	60	3.6	**216**	127	**431.62**
AAP025EGFI	G1"	DPI Fitted	60	3.6	**216**	127	**431.62**
AAP030GGFI	G1 1/2"	DPI Fitted	110	6.6	**396**	233	**641.53**
AAP035GGFX	G1 1/2"	Optional	160	9.6	**576**	339	**714.36**
AAP040HGFX	G2"	Optional	220	13.2	**792**	466	**1,066.72**
AAP045IGFX	G2 1/2"	Optional	330	19.1	**1188**	699	**1,255.21**
AAP050IGFX	G2 1/2"	Optional	430	25.9	**1548**	911	**1,535.81**
AAP055IGFX	G2 1/2"	Optional	620	37.3	**2232**	1314	**1,796.07**
AAP055JGFX	G3"	Optional	620	37.3	**2232**	1314	**1,752.16**
AAP060KGFX	G4"	Optional	1000	60.0	**3600**	2119	**2,395.83**

Replacement Element Kit	No.	UNIT PRICE GBP
P010AA	1	**53.55**
P010AA	1	**53.55**
P010AA	1	**53.55**
P015AA	1	**84.00**
P020AA	1	**97.65**
P020AA	1	**97.65**
P025AA	1	**119.70**
P025AA	1	**119.70**
P030AA	1	**140.70**
P035AA	1	**159.60**
P040AA	1	**190.05**
P045AA	1	**269.85**
P050AA	1	**317.10**
P055AA	1	**427.35**
P055AA	1	**427.35**
P060AA	3	**269.85**

Flow Correction Factors for pressure (CFP)

MUST HAVE Manual Drain - Order "MX" Option

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Accessory (unless stated otherwise all Differential Pressure Monitors, Gauges and Drains have MAX Operating Pressure 16 Bar G)

Accessory kits

Tie Rod kits (Filter Model / Number of)

TRK1-2	010 x2	26.88
TRK2-2	015-020 x2 and 015-020x3	26.88
TRK3-2	025-030 x2 and 025-030 x3	33.33
TRK4-2	035-045 x2 and 035-045 x3	45.15
TRK5-2	050-055 x2 and 050-055 x3	92.47

Filter Wall Mount Bracket(s) for Single Filter

MBK1-1	010 x1	35.48
MBK2-1	015-020 x1	35.48
MBK3-1	025-030 x1	50.53
MBK4-1	035-045 x1	66.66
MBK5-1	050-055 x1	88.16
for 2 or 3 in series		
MBK1-2	010 x2 AND x3	41.93
MBK2-2	015-020 x2 AND x3	41.93
MBK3-2	025 - 030 x2 AND x3	60.21
MBK4-2	035 - 045 x2 AND x3	74.19
MBK5-2	050 - 055 x2 AND x3	95.70

Differential Pressure Monitor(s) and Gauge(s)

DPIK	DPI 010-030	58.06
ZD90GL	DP Gauge 035-055	90.41
ZDE90GL	DP Analogue Gauge 035-055 (Calibrated with Reed contact)	441.25
DPM-060	DPM kit 060 G4"	84.61
ZD95FL	DPG Analogue for 065-095 Flanged Filter	182.50
ZDE95FL	DPG Analogue for 065-095 Flanged Filter with REED contact	427.27

DRAINS: Zero Loss ED, Automatic Float and Manual

PD15NO	Float Auto 010-055	31.18
EM1	Manual Drain 010-055 (Max Op 20 bar G)	53.09
HDF120A	Float Auto 060	69.89

Zero Loss ED Electronic Drain

ED3002-G230	010 to 030	155.90
ED3004-G230	035 to 055	189.23
ED3007-G230	060	306.43
MK-G15-G10I	ED3002 Mounting kit G1/2"	31.42
MK-G25-G15	ED3004-3100 Mounting kit G1/2"	45.51

OIL-X Redefined GRADE AOP Dust Filter

"Oil-X Redefined, the unique low energy solution with independently validated performance."

Grades AOP Dust (Dry) Particulate General Purpose Filter

Particle Removal down to 1 micron. Filtration Efficiency 99.925%

Initial Dry Differential Pressure <70mbar (1.0 psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AOP	Threaded 010 to 030 with MANUAL DRAIN	1	15	20	290	2	35	80	176
	Threaded 035 to 055 with MANUAL DRAIN	1	15	20	290	2	35	80	176

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

Cast Aluminium Ported Filters

Model	Port Connection	Incident Monitor	L/S	m^3/min	m^3/hr	cfm	UNIT PRICE GBP
AOP010AGMI	G1/4"	DPI Fitted	10	0.6	**36**	21	**181.00**
AOP010BGMI	G3/8"	DPI Fitted	10	0.6	**36**	21	**181.00**
AOP010CGMI	G1/2"	DPI Fitted	10	0.6	**36**	21	**181.00**
AOP015CGMI	G1/2"	DPI Fitted	20	1.2	**72**	42	**222.77**
AOP020CGMI	G1/2"	DPI Fitted	30	1.8	**108**	64	**325.58**
AOP020DGMI	G3/4"	DPI Fitted	30	1.8	**108**	64	**325.58**
AOP025DGMI	G3/4"	DPI Fitted	60	3.6	**216**	127	**431.62**
AOP025EGMI	G1"	DPI Fitted	60	3.6	**216**	127	**431.62**
AOP030GGMI	G1 1/2"	DPI Fitted	110	6.6	**396**	233	**641.53**
AOP035GGMX	G1 1/2"	Optional	160	9.6	**576**	339	**714.36**
AOP040HGMX	G2"	Optional	220	13.2	**792**	466	**1,066.72**
AOP045IGMX	G2 1/2"	Optional	330	19.1	**1188**	699	**1,255.21**
AOP050IGMX	G2 1/2"	Optional	430	25.9	**1548**	911	**1,535.81**
AOP055IGMX	G2 1/2"	Optional	620	37.3	**2232**	1314	**1,796.07**
AOP055JGMX	G3"	Optional	620	37.3	**2232**	1314	**1,752.16**
AOP060KGMX	G4"	Optional	1000	60.0	**3600**	2119	**2,395.83**

Replacement Element Kit	No.	UNIT PRICE GBP
P010AO	1	**53.55**
P010AO	1	**53.55**
P010AO	1	**53.55**
P015AO	1	**84.00**
P020AO	1	**97.65**
P020AO	1	**97.65**
P025AO	1	**119.70**
P025AO	1	**119.70**
P030AO	1	**140.70**
P035AO	1	**159.60**
P040AO	1	**190.05**
P045AO	1	**269.85**
P050AO	1	**317.10**
P055AO	1	**427.35**
P055AO	1	**427.35**
P060AO	3	**269.85**

Flow Correction Factors for pressure (CFP)

MUST HAVE Manual Drain - Order "MX" Option

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Accessory (unless stated otherwise all Differential Pressure Monitors, Gauges and Drains have MAX Operating Pressure 16 Bar G)

Accessory kits

Tie Rod kits (Filter Model / Number of)

TRK1-2	010 x2	26.88
TRK2-2	015-020 x2 and 015-020x3	26.88
TRK3-2	025-030 x2 and 025-030 x3	33.33
TRK4-2	035-045 x2 and 035-045 x3	45.15
TRK5-2	050-055 x2 and 050-055 x3	92.47

Filter Wall Mount Bracket(s) for Single Filter

MBK1-1	010 x1	35.48
MBK2-1	015-020 x1	35.48
MBK3-1	025-030 x1	50.53
MBK4-1	035-045 x1	66.66
MBK5-1	050-055 x1	88.16
for 2 or 3 in series		
MBK1-2	010 x2 AND x3	41.93
MBK2-2	015-020 x2 AND x3	41.93
MBK3-2	025 - 030 x2 AND x3	60.21
MBK4-2	035 - 045 x2 AND x3	74.19
MBK5-2	050 - 055 x2 AND x3	95.70

Differential Pressure Monitor(s) and Gauge(s)

DPIK	DPI 010-030	58.06
ZD90GL	DP Gauge 035-055	90.41
ZDE90GL	DP Analogue Gauge 035-055 (Calibrated with Reed contact)	441.25
DPM-060	DPM kit 060 G4"	84.61
ZD95FL	DPG Analogue for 065-095 Flanged Filter	182.50
ZDE95FL	DPG Analogue for 065-095 Flanged Filter with REED contact	427.27

DRAINS: Zero Loss ED, Automatic Float and Manual

PD15NO	Float Auto 010-055	31.18
EM1	Manual Drain 010-055 (Max Op 20 bar G)	53.09
HDF120A	Float Auto 060	69.89

Zero Loss ED Electronic Drain

ED3002-G230	010 to 030	155.90
ED3004-G230	035 to 055	189.23
ED3007-G230	060	306.43
MK-G15-G10I	ED3002 Mounting kit G1/2"	31.42
MK-G25-G15	ED3004-3100 Mounting kit G1/2"	45.51

OIL-X Redefined GRADE AAP High Efficiency DUST Filter

"Oil-X Redefined, the unique low energy solution with independently validated performance."

Grades AAP Dust (Dry) Particulate High Efficiency Filter

Particle Removal down to 0.01 micron. Filtration Efficiency 99.9999%

Initial Dry Differential Pressure <70mbar (1.0 psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AAP	Threaded 010 to 030 with MANUAL DRAIN	1	15	20	290	2	35	80	176
	Threaded 035 to 055 with MANUAL DRAIN	1	15	20	290	2	35	80	176

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

Cast Aluminium Ported Filters	Model	Port Connection	Incident Monitor	L/S	m^3/min	m^3/hr	cfm	UNIT PRICE GBP
	AAP010AGMI	G1/4"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AAP010BGMI	G3/8"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AAP010CGMI	G1/2"	DPI Fitted	10	0.6	**36**	21	**181.00**
	AAP015CGMI	G1/2"	DPI Fitted	20	1.2	**72**	42	**222.77**
	AAP020CGMI	G1/2"	DPI Fitted	30	1.8	**108**	64	**325.58**
	AAP020DGMI	G3/4"	DPI Fitted	30	1.8	**108**	64	**325.58**
	AAP025DGMI	G3/4"	DPI Fitted	60	3.6	**216**	127	**431.62**
	AAP025EGMI	G1"	DPI Fitted	60	3.6	**216**	127	**431.62**
	AAP030GGMI	G1 1/2"	DPI Fitted	110	6.6	**396**	233	**641.53**
	AAP035GGMX	G1 1/2"	Optional	160	9.6	**576**	339	**714.36**
	AAP040HGMX	G2"	Optional	220	13.2	**792**	466	**1,066.72**
	AAP045IGMX	G2 1/2"	Optional	330	19.1	**1188**	699	**1,255.21**
	AAP050IGMX	G2 1/2"	Optional	430	25.9	**1548**	911	**1,535.81**
	AAP055IGMX	G2 1/2"	Optional	620	37.3	**2232**	1314	**1,796.07**
	AAP055JGMX	G3"	Optional	620	37.3	**2232**	1314	**1,752.16**
	AAP060KGMX	G4"	Optional	1000	60.0	**3600**	2119	**2,395.83**

Replacement Element Kit	No.	UNIT PRICE GBP
P010AA	1	**53.55**
P010AA	1	**53.55**
P010AA	1	**53.55**
P015AA	1	**84.00**
P020AA	1	**97.65**
P020AA	1	**97.65**
P025AA	1	**119.70**
P025AA	1	**119.70**
P030AA	1	**140.70**
P035AA	1	**159.60**
P040AA	1	**190.05**
P045AA	1	**269.85**
P050AA	1	**317.10**
P055AA	1	**427.35**
P055AA	1	**427.35**
P060AA	3	**269.85**

Flow Correction Factors for pressure (CFP)

MUST HAVE Manual Drain - Order "MX" Option

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Accessory (unless stated otherwise all Differential Pressure Monitors, Gauges and Drains have MAX Operating Pressure 16 Bar G)

Accessory kits

Tie Rod kits (Filter Model / Number of)		
TRK1-2	010 x2	26.88
TRK2-2	015-020 x2 and 015-020x3	26.88
TRK3-2	025-030 x2 and 025-030 x3	33.33
TRK4-2	035-045 x2 and 035-045 x3	45.15
TRK5-2	050-055 x2 and 050-055 x3	92.47

Filter Wall Mount Bracket(s) for Single Filter		
MBK1-1	010 x1	35.48
MBK2-1	015-020 x1	35.48
MBK3-1	025-030 x1	50.53
MBK4-1	035-045 x1	66.66
MBK5-1	050-055 x1	88.16
for 2 or 3 in series		
MBK1-2	010 x2 AND x3	41.93
MBK2-2	015-020 x2 AND x3	41.93
MBK3-2	025 - 030 x2 AND x3	60.21
MBK4-2	035 - 045 x2 AND x3	74.19
MBK5-2	050 - 055 x2 AND x3	95.70

Differential Pressure Monitor(s) and Gauge(s)		
DPIK	DPI 010-030	58.06
ZD90GL	DP Gauge 035-055	90.41
ZDE90GL	DP Analogue Gauge 035-055 (Calibrated with Reed contact)	441.25
DPM-060	DPM kit 060 G4"	84.61
ZD95FL	DPG Analogue for 065-095 Flanged Filter	182.50
ZDE95FL	DPG Analogue for 065-095 Flanged Filter with REED contact	427.27

DRAINS: Zero Loss ED, Automatic Float and Manual		
PD15NO	Float Auto 010-055	31.18
EM1	Manual Drain 010-055 (Max Op 20 bar G)	53.09
HDF120A	Float Auto 060	69.89

Zero Loss ED Electronic Drain		
ED3002-G230	010 to 030	155.90
ED3004-G230	035 to 055	189.23
ED3007-G230	060	306.43
MK-G15-G10I	ED3002 Mounting kit G1/2"	31.42
MK-G25-G15	ED3004-3100 Mounting kit G1/2"	45.51

OIL-X Redefined GRADE ACSP

"Oil-X Redefined, the unique low energy solution with independently validated performance."

Grades ACSP Oil Vapour Removal Removal Filter

Oil Vapour removal down to 0.003 mg/m3

Initial Dry Differential Pressure <140mbar (2.0 psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
ACSP									
	Threaded 010 to 055 with MANUAL DRAIN	1	15	20	290	2	35	50	122
	Flanged 065 - 095	1	15	16	232	2	35	50	122

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

Cast Aluminium Ported Filters	Model	Port Connection	Incident Monitor	L/S	m^3/min	m^3/hr	cfm	UNIT PRICE GBP
	ACSP010AGMX	G1/4"	Not Required	10	0.6	**36**	21	**181.00**
	ACSP010BGMX	G3/8"	Not Required	10	0.6	**36**	21	**181.00**
	ACSP010CGMX	G1/2"	Not Required	10	0.6	**36**	21	**181.00**
	ACSP015CGMX	G1/2"	Not Required	20	1.2	**72**	42	**222.77**
	ACSP020CGMX	G1/2"	Not Required	30	1.8	**108**	64	**325.58**
	ACSP020DGMX	G3/4"	Not Required	30	1.8	**108**	64	**325.58**
	ACSP025DGMX	G3/4"	Not Required	60	3.6	**216**	127	**431.62**
	ACSP025EGMX	G1"	Not Required	60	3.6	**216**	127	**431.62**
	ACSP030GGMX	G1 1/2"	Not Required	110	6.6	**396**	233	**641.53**
	ACSP035GGMX	G1 1/2"	Not Required	160	9.6	**576**	339	**714.36**
	ACSP040HGMX	G2"	Not Required	220	13.2	**792**	466	**1,066.72**
	ACSP045IGMX	G2 1/2"	Not Required	330	19.1	**1188**	699	**1,255.21**
	ACSP050IGMX	G2 1/2"	Not Required	430	25.9	**1548**	911	**1,535.81**
	ACSP055IGMX	G2 1/2"	Not Required	620	37.3	**2232**	1314	**1,752.16**
	ACSP055JGMX	G3"	Not Required	620	37.3	**2232**	1314	**1,752.16**
	ACSP060KGMX	G4"	Not Required	1000	60.0	**3600**	2119	**2,395.83**

Replacement Element Kit	No.	UNIT PRICE GBP
P010ACS	1	**60.21**
P010ACS	1	**60.21**
P010ACS	1	**60.21**
P015ACS	1	**95.69**
P020ACS	1	**109.67**
P020ACS	1	**109.67**
P025ACS	1	**137.63**
P025ACS	1	**137.63**
P030ACS	1	**160.21**
P035ACS	1	**#N/A**
P040ACS	1	**216.11**
P045ACS	1	**307.51**
P050ACS	1	**365.57**
P055ACS	1	**485.99**
P055ACS	1	**485.99**
P060ACS	3	**269.85**

Flow Correction Factors for pressure (CFP)

MUST HAVE Manual Drain - Order "MX" Option

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Accessory (unless stated otherwise all Differential Pressure Monitors, Gauges and Drains have MAX Operating Pressure 16 Bar G)

Accessory kits

Tie Rod kits (Filter Model / Number of)		
TRK1-2	010 x2	26.88
TRK2-2	015-020 x2 and 015-020x3	26.88
TRK3-2	025-030 x2 and 025-030 x3	33.33
TRK4-2	035-045 x2 and 035-045 x3	45.15
TRK5-2	050-055 x2 and 050-055 x3	92.47

Filter Wall Mount Bracket(s) for Single Filter		
MBK1-1	010 x1	35.48
MBK2-1	015-020 x1	35.48
MBK3-1	025-030 x1	50.53
MBK4-1	035-045 x1	66.66
MBK5-1	050-055 x1	88.16
for 2 or 3 in series		
MBK1-2	010 x2 AND x3	41.93
MBK2-2	015-020 x2 AND x3	41.93
MBK3-2	025 - 030 x2 AND x3	60.21
MBK4-2	035 - 045 x2 AND x3	74.19
MBK5-2	050 - 055 x2 AND x3	95.70

DRAINS: Zero Loss ED, Automatic Float and Manual		
PD15NO	Float Auto 010-055	31.18
EM1	Manual Drain 010-055 (Max Op 20 bar G)	53.09
HDF120A	Float Auto 060	69.89

OIL-X Flanged General Purpose Filters (DN80 to DN300)

Grades AO Coalescing Liquids and Particle Removal in Compressed Air or gaseous Nitrogen.

Particle Removal down to 1 micron Max Remaining Oil Content 0.5mg/m3 delivering Filtration of 99.925%

Initial Dry Differential Pressure <70mbar (1.0 psi) Initial Saturated Pressure drop <140mbar (2.0psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AO	065 - 095	1	15	20	290	2	35	50	122

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

For flows at other pressures apply the correction factors shown.

Flanged Ve Carbon Steel Filters

Model	Flange Connection	Drain Conn BSPP	Drain Type (230V 50/60Hz IP65)	DP Indicator	m^3/hr	cfm	UNIT PRICE GBP	Replacement Element Kit	QTY	UNIT PRICE GBP
AO065NDEI	DN80	G1/2" x 2	ED3007-G230		2232	1312	**3,461.89**	**200AO**	1	**424.71**
AO070ODEI	DN100	G1/2" x 2	ED3030-G230		4464	2625	**6,116.96**	**200AO**	2	**424.71**
AO075PDEI	DN150	G1/2" x 2	ED3030-G230		6696	3938	**7,511.02**	**200AO**	3	**424.71**
AO080PDEI	DN150	G1/2" x 2	ED3030-G230	ZD95FL	8928	5251	**8,198.85**	**200AO**	4	**424.71**
AO085QDEI	DN200	G1/2" x 2	ED3030-G230		13392	7877	**12,194.99**	**200AO**	6	**424.71**
AO090RDEI	DN250	G1/2" x 2	ED3100-G230		22320	13129	**16,916.83**	**200AO**	10	**424.71**
AO095SDEI	DN300	G1/2" x 2	ED3100-G230		31248	18380	**22,702.85**	**200AO**	14	**424.71**
AO065NDEX	DN80	G1/2" x 2	ED3007-G230		2232	1312	**3,213.14**	**200AO**	1	**424.71**
AO070ODEX	DN100	G1/2" x 2	ED3030-G230		4464	2625	**5,868.21**	**200AO**	2	**424.71**
AO075PDEX	DN150	G1/2" x 2	ED3030-G230		6696	3938	**7,262.28**	**200AO**	3	**424.71**
AO080PDEX	DN150	G1/2" x 2	ED3030-G230	None	8928	5251	**7,952.27**	**200AO**	4	**424.71**
AO085QDEX	DN200	G1/2" x 2	ED3030-G230		13392	7877	**11,947.33**	**200AO**	6	**424.71**
AO090RDEX	DN250	G1/2" x 2	ED3100-G230		22320	13129	**16,670.24**	**200AO**	10	**424.71**
AO095SDEX	DN300	G1/2" x 2	ED3100-G230		31248	18380	**22,454.10**	**200AO**	14	**424.71**
AO065NDMI	DN80	G1/2"	Manual 398H473471		2232	1312	**3,100.66**	**200AO**	1	**424.71**
AO070ODMI	DN100	G 1"	Manual 389H473472		4464	2625	**5,625.97**	**200AO**	2	**424.71**
AO075PDMI	DN150	G 1"	Manual 389H473472		6696	3938	**7,018.94**	**200AO**	3	**424.71**
AO080PDMI	DN150	G 1"	Manual 389H473472	ZD95FL	8928	5251	**7,707.85**	**200AO**	4	**424.71**
AO085QDMI	DN200	G 1"	Manual 389H473472		13392	7877	**11,704.00**	**200AO**	6	**424.71**
AO090RDMI	DN250	G 1"	Manual 389H473472		22320	13129	**16,269.01**	**200AO**	10	**424.71**
AO095SDMI	DN300	G 1"	Manual 389H473472		31248	18380	**22,053.94**	**200AO**	14	**424.71**
AO065NDMX	DN80	G 1/2"	Manual 398H473471		2232	1312	**2,850.84**	**200AO**	1	**424.71**
AO070ODMX	DN100	G 1"	Manual 389H473472		4464	2625	**5,375.06**	**200AO**	2	**424.71**
AO075PDMX	DN150	G 1"	Manual 389H473472		6696	3938	**6,769.11**	**200AO**	3	**424.71**
AO080PDMX	DN150	G 1"	Manual 389H473472	None	8928	5251	**7,459.11**	**200AO**	4	**424.71**
AO085QDMX	DN200	G 1"	Manual 389H473472		13392	7877	**11,455.25**	**200AO**	6	**424.71**
AO090RDMX	DN250	G 1"	Manual 389H473472		22320	13129	**16,020.26**	**200AO**	10	**424.71**
AO095SDMX	DN300	G 1"	Manual 389H473472		31248	18380	**21,805.21**	**200AO**	14	**424.71**

Notes:

1. **Compressed Air and gaseous Nitrogen**
2. CE Mark in accordance with 2004/68/EU for Fluid Group 2 and Max Operating Pressure 16 Bar G

Flow Correction Factors for pressure (CFP)

Line Pressure	Bsr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

OIL-X Flanged High Efficiency Filters (DN80 to DN300)

Grades AA Coalescing Liquids and Particle Removal in Compressed Air or gaseous Nitrogen.

Particle Removal down to 0.01 micron Max Remaining Oil Content 0.0.1mg/m3 delivering Filtration of 99.9999%

Initial Dry Differential Pressure <140mbar (2.0 psi) Initial Saturated Pressure drop <200mbar (3.0psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AA	065 - 095	1	15	20	290	2	35	50	122

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

For flows at other pressures apply the correction factors shown.

Flanged Ve Carbon Steel Filters

Model	Flange Connection	Drain Conn BSPP	Drain Type (230V 50/60Hz IP65)	DP Indicator	m^3/hr	cfm	UNIT PRICE GBP	Replacement Element Kit	No.	UNIT PRICE GBP
AA065NDEI	DN80	G1/2" x 2	ED3007-G230		2232	1312	**3,461.89**	**200AA**	1	**424.71**
AA070ODEI	DN100	G1/2" x 2	ED3030-G230		4464	2625	**6,116.96**	**200AA**	2	**424.71**
AA075PDEI	DN150	G1/2" x 2	ED3030-G230		6696	3938	**7,511.02**	**200AA**	3	**424.71**
AA080PDEI	DN150	G1/2" x 2	ED3030-G230	ZD95FL	8928	5251	**8,198.85**	**200AA**	4	**424.71**
AA085QDEI	DN200	G1/2" x 2	ED3030-G230		13392	7877	**12,194.99**	**200AA**	6	**424.71**
AA090RDEI	DN250	G1/2" x 2	ED3100-G230		22320	13129	**16,916.83**	**200AA**	10	**424.71**
AA095SDEI	DN300	G1/2" x 2	ED3100-G230		31248	18380	**22,702.85**	**200AA**	14	**424.71**
AA065NDEX	DN80	G1/2" x 2	ED3007-G230		2232	1312	**3,213.14**	**200AA**	1	**424.71**
AA070ODEX	DN100	G1/2" x 2	ED3030-G230		4464	2625	**5,868.21**	**200AA**	2	**424.71**
AA075PDEX	DN150	G1/2" x 2	ED3030-G230		6696	3938	**7,262.28**	**200AA**	3	**424.71**
AA080PDEX	DN150	G1/2" x 2	ED3030-G230	None	8928	5251	**7,952.27**	**200AA**	4	**424.71**
AA085QDEX	DN200	G1/2" x 2	ED3030-G230		13392	7877	**11,947.33**	**200AA**	6	**424.71**
AA090RDEX	DN250	G1/2" x 2	ED3100-G230		22320	13129	**16,670.24**	**200AA**	10	**424.71**
AA095SDEX	DN300	G1/2" x 2	ED3100-G230		31248	18380	**22,454.10**	**200AA**	14	**424.71**
AA065NDMI	DN80	G1/2"	Manual 398H473471		2232	1312	**3,100.66**	**200AA**	1	**424.71**
AA070ODMI	DN100	G 1"	Manual 389H473472		4464	2625	**5,625.97**	**200AA**	2	**424.71**
AA075PDMI	DN150	G 1"	Manual 389H473472		6696	3938	**7,018.94**	**200AA**	3	**424.71**
AA080PDMI	DN150	G 1"	Manual 389H473472	ZD95FL	8928	5251	**7,707.85**	**200AA**	4	**424.71**
AA085QDMI	DN200	G 1"	Manual 389H473472		13392	7877	**11,704.00**	**200AA**	6	**424.71**
AA090RDMI	DN250	G 1"	Manual 389H473472		22320	13129	**16,269.01**	**200AA**	10	**424.71**
AA095SDMI	DN300	G 1"	Manual 389H473472		31248	18380	**22,053.94**	**200AA**	14	**424.71**
AA065NDMX	DN80	G 1/2"	Manual 398H473471		2232	1312	**2,850.84**	**200AA**	1	**424.71**
AA070ODMX	DN100	G 1"	Manual 389H473472		4464	2625	**5,375.06**	**200AA**	2	**424.71**
AA075PDMX	DN150	G 1"	Manual 389H473472		6696	3938	**6,769.11**	**200AA**	3	**424.71**
AA080PDMX	DN150	G 1"	Manual 389H473472	None	8928	5251	**7,459.11**	**200AA**	4	**424.71**
AA085QDMX	DN200	G 1"	Manual 389H473472		13392	7877	**11,455.25**	**200AA**	6	**424.71**
AA090RDMX	DN250	G 1"	Manual 389H473472		22320	13129	**16,020.26**	**200AA**	10	**424.71**
AA095SDMX	DN300	G 1"	Manual 389H473472		31248	18380	**21,805.21**	**200AA**	14	**424.71**

Notes:

1. **Compressed Air and gaseous Nitrogen**
2. CE Mark in accordance with 2004/68/EU for Fluid Group 2 and Max Operating Pressure 16 Bar G

Flow Correction Factors for pressure (CFP)

Line Pressure	bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

OIL-X Flanged Oil Vapour Filters (DN80 to DN300)

Grades ACS Oil Vapour Removal in Compressed Air or gaseous Nitrogen.

Max Remaining Oil Content 0.003mg/m3 (0.003ppm(w)

Initial Dry Differential Pressure <140mbar (2.0 psi)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
ACS	065 - 095	1	15	20	290	2	35	50	122

Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar, 0% relative water vapour pressure.

For flows at other pressures apply the correction factors shown.

	Model	Flange Connection	Drain Conn BSPP	Drain Type (230V 50/60Hz IP65)	DP Indicator	m^3/hr	cfm	UNIT PRICE Euro
Flanged Ve Carbon Steel Filters	ACS065NDMX	DN80	G 1/2"	Manual 398H473471	None	2232	1312	2,918.97
	ACS070ODMX	DN100	G 1"	Manual 389H473472		4464	2625	5,509.16
	ACS075PDMX	DN150	G 1"	Manual 389H473472		6696	3938	6,970.27
	ACS080PDMX	DN150	G 1"	Manual 389H473472		8928	5251	7,725.15
	ACS085QDMX	DN200	G 1"	Manual 389H473472		13392	7877	11,855.40
	ACS090RDMX	DN250	G 1"	Manual 389H473472		22320	13129	16,688.62
	ACS095SDMX	DN300	G 1"	Manual 389H473472		31248	18380	22,739.62

Replacement Element Kit	No.	UNIT PRICE Euro
200ACS	1	486.08
200ACS	2	486.08
200ACS	3	486.08
200ACS	4	486.08
200ACS	6	486.08
200ACS	10	486.08
200ACS	14	486.08

Notes:

1. **Compressed Air and gaseous Nitrogen**
2. CE Mark in accordance with 2004/68/EU for Fluid Group 2 and Max Operating Pressure 16 Bar G
3. Operating Temperature(s) Min 1.5 Deg C and upto Max 50 Deg C with ED3000 option, 50 Deg C Manual Drain

Flow Correction Factors for pressure (CFP)

Line Pressure																	
	bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.

1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity: Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

OIL-X Redefined

Grades AOP, AAP, AOP with Manual Drain (AR), AAP with Manual Drain (AAR), ACSP

Weights and Dimensions

Model	Port Connection	Height (H)		Width (W)		Depth (D)		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
010A	1/4"	180	7.09	76	2.99	66	2.6	0.61	1.34
010B	3/8"	180	7.09	76	2.99	66	2.6	0.61	1.34
010C	1/2"	180	7.09	76	2.99	66	2.6	0.61	1.34
015C	1/2"	238.5	9.39	89	3.5	83.5	3.29	1.16	2.55
020C	1/2"	238.5	9.39	89	3.5	83.5	3.29	1.12	2.47
020D	3/4"	238.5	9.39	89	3.5	83.5	3.29	1.12	2.47
025D	3/4"	277	10.9	120	4.72	114.5	4.5	2.21	4.86
025E	1"	277	10.9	120	4.72	114.5	4.5	2.21	4.86
030G	1 1/2"	367	14.45	120	4.72	114.5	4.5	2.68	5.91
035G	1 1/2"	531	20.9	164	6.46	156	6.1	6.90	15.20
040H	2"	623	24.5	164	6.46	156	6.1	7.30	16.10
045I	2 1/2"	623	24.5	164	6.46	156	6.1	7.10	15.65
050I	2 1/2"	745	29.3	192	7.56	183	7.2	10.30	22.71
055I	2 1/2"	935	36.8	192	7.56	183	7.2	15.30	33.73
055J	3"	935	36.8	192	7.56	183	7.2	15.30	33.73
060K	G 4"	847	33.3	420	16.54	282	11.1	44.50	98.11
065ND	DN80	1065	42	440	17.3	340	13.4	70	154
070OD	DN100	1152	45.4	500	19.7	405	16	97	214
075PD	DN150	1256	49.5	600	23.6	520	20.5	148	326
080PD	DN150	1332	52.4	650	25.6	580	22.8	187	412
085QD	DN200	1415	55.7	750	29.5	640	25.2	240	529
090RD	DN250	1603	63.1	1000	39.4	840	33	470	1036
095SD	DN300	1706	57.2	1050	41.3	910	35.8	580	1279

WSP010-055 Water Separator

AOP/AAP010-035 Filter

060 G4" Filter

Typical representations of Water Separator, small ported filter and larger 4inch 060.
Refer Literature and User Guides for upto date information.

OIL-X EVOLUTION Double Stage Filter in one housing
Stage 1 - Grade AA filtration, Stage 2 - Grade AC
Point of use oil vapour and odour removal

Max Remaining Oil Content 0.003mg/m3 or 0.003ppm(w)

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
AC	010ABFI - 030GBFI	1	15	16	232	2	35	50	122

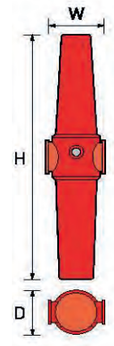
Product Selection - Grade AC

AO, AA, AR, AAR

Cast Aluminium Filters	Model	Flow Rates					UNIT PRICE GBP	Replacement Elements			
		Pipe Size BSPT	L/s	m³/min	m³/hr	cfm		1st Stage	UNIT PRICE GBP	2nd Stage	UNIT PRICE GBP
	AC010AGFI	1/4"	6	0.4	22	13	245.97	010AA	54.84	010AC	34.01
	AC010BGFI	3/8"	6	0.4	22	13	245.97	010AA	54.84	010AC	34.01
	AC010CGFI	1/2"	6	0.4	22	13	245.97	010AA	54.84	010AC	34.01
	AC015BGFI	3/8"	13	0.8	46	27	283.90	015AA	86.01	015AC	42.79
	AC015CGFI	1/2"	13	0.8	46	27	283.90	015AA	86.01	015AC	42.79
	AC020CGFI	1/2"	25	1.5	90	53	496.29	020AA	99.99	020AC	58.16
	AC020DGFI	3/4"	25	1.5	90	53	496.29	020AA	99.99	020AC	58.16
	AC020EGFI	1"	25	1.5	90	53	453.05	020AA	99.99	020AC	58.16
	AC025DGFI	3/4"	40	2.4	143	84	652.32	025AA	122.57	025DAC	87.78
	AC025EGFI	1"	65	3.9	231	136	652.32	025AA	122.57	025EAC	87.78
	AC030EGFI	1"	85	5.1	305	180	736.45	030AA	144.07	030AC	181.04
	AC030FGFI	1 1/4"	85	5.1	305	180	782.36	030AA	144.07	030AC	181.04
	AC030GGFI	1 1/2"	85	5.1	305	180	782.36	030AA	144.07	030AC	181.04

Weights and Dimensions

Model	Pipe Size	Height (H)		Width (W)		Depth (D)		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
AC010AGFI	1/4"	311	12.3	76	3.0	65	2.6	0.8	1.8
AC010BGFI	3/8"	311	12.3	76	3.0	65	2.6	0.8	1.8
AC010CGFI	1/2"	311	12.3	76	3.0	65	2.6	0.8	1.8
AC015BGFI	3/8"	474	18.7	97	3.8	84	3.3	1.6	3.5
AC015CGFI	1/2"	474	18.7	97	3.8	84	3.3	1.6	3.5
AC020CGFI	1/2"	474	18.7	97	3.8	84	3.3	1.45	3.2
AC020DGFI	3/4"	474	18.7	97	3.8	84	3.3	1.45	3.2
AC020EGFI	1"	474	18.7	97	3.8	84	3.3	1.45	3.2
AC025DGFI	3/4"	554	21.8	129	5.1	115	4.5	3.5	7.8
AC025EGFI	1"	554	21.8	129	5.1	115	4.5	3.4	7.6
AC030EGFI	1"	733	28.9	129	5.1	115	4.5	4.1	9.0
AC030FGFI	1 1/4"	733	28.9	129	5.1	115	4.5	4.1	9.0
AC030GGFI	1 1/2"	733	28.9	129	5.1	115	4.5	4.1	9.0



Notes:
1. Connection sizes, (010 to 0300) BSPP.
2. Optional accessories on page 11.
3. Optional Inident Monitor is an added cost to the above prices.

AC models are supplied with a float drain as standard. For Pressures of 16 to 20 bar g (232 to 290 psi g) a manual drain must be used.

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

OIL VAPOUR ADSORBER
AKM / AK series

Standard scope of supply:
Complete purification system.
Single tower with actvated carbon filling
for purifying pre-dried compressed air.
Residual of content down to 0.003 mg/m³

CE mark in accordance with the Pressure Equipment Directive 97/23/EC (PED) for Fluid Group 2. No CE mark is required under article 3, paragraph 3 for AKM 1 and AKM 2.

Technical data and prices

Type		Capacity*1)	Dimensions mm			Connection	pressure	Weight	Order no.	List Price	Product Group
		m³/h	Width	Height	Depth	DIN ISO 228 EN 1092-1	bar	kg		£	
AKM	1	8	236	400	225	1/4 "	16	6.0	A1/16A2-G	789.04	21
AKM	2	15	236	575	225	1/4 "	16	7.5	A2/16A2-G	913.75	21
AKM	3	25	236	825	225	1/4 "	16	10.0	A3/16A2-G	956.88	21
AKM	4	35	236	1075	225	1/4 "	16	12.0	A4/16A2-G	1,108.39	21
AKM	6	56	345	1203	300	1/2 "	16	25.5	A6/16A2-G	1,318.18	21
AKM	7	72	345	1428	300	1/2 "	16	30.0	A7/16A2-G	1,419.58	21
AKM	8	86	345	1628	300	3/4 "	16	33.5	A8/16A2-G	1,818.18	21
AKM 1 - AKM 8 includes afterfilter of GL series AKM 3 - AKM 8 acc. to PED 97/23/EC, module A.											
AKM	10	105	420	1480	480	1 "	16	59	A10/16A2-G	2,336.82	21
AKM	15	145	420	1780	480	1 "	16	70	A15/16A2-G	2,431.24	21
AKM	20	200	340	1550	480	1 "	16	70	A20/16A2-G	2,595.57	21
AKM	25	255	360	1785	515	1 1/2 "	16	82	A25/16A2-G	2,851.98	21
AKM	35	350	370	1805	515	1 1/2 "	16	92	A35/16A2-G	3,307.69	21
AKM	45	420	400	1830	535	1 1/2 "	16	109	A45/16A2-G	3,875.29	21
AKM	60	620	460	1930	615	2 "	16	140	A60/16A2-G	4,723.77	21
AKM	75	750	480	2010	615	2 "	16	172	A75/16A2-G	5,454.59	21
AKM	95	940	500	2130	645	2 1/2 "	16	215	A95/16A2-G	7,771.55	21
AKM 10 - AKM 95 includes afterfilter of GL series AK 10 - AK 95 acc. to PED 97/23/EC, module B+D.											
AK	120	1200	500	2070	840	DN50	10	235	A120/10A1-F	9,878.78	27
AK	150	1550	500	2110	900	DN65	10	275	A150/10A1-F	10,700.45	27
AK	200	2000	650	2150	990	DN65	10	340	A200/10A1-F	12,479.01	27
AK	250	2500	650	2210	1040	DN80	10	385	A250/10A1-F	15,186.46	27
AK	300	3000	720	2230	1100	DN80	10	440	A300/10A1-F	17,032.62	27
AK	380	3800	850	2340	1200	DN100	10	520	A380/10A1-F	22,022.12	27
AK	500	4850	860	2640	1250	DN100	10	650	A500/10A1-F	25,382.26	27
AK	600	6100	960	2820	1150	DN125	10	950	A600/10A1-F	30,323.75	27
AK 120 - AK 600 excludes pre- and afterfilters AK 120 - AK 600 acc. to PED 97/23/EC, module B+D.											

*1) calculated at 1 bar (abs.) and 20 °C, compressed to 7 bar g and 35 °C inlet temperature, relative humidity

Higher capacities, operating pressures, inlet temperatures (in particular downstream of heat-regenerated adsorption dryers) on request.

Conversion factor pressure/temperature

Pressure	Temperature in °C			
bar	35	40	45	50
5 bar	0.75	0.64	0.56	0.38
6 bar	0.89	0.76	0.67	0.45
7 bar	1.00	0.85	0.75	0.50
8 bar	1.13	0.92	0.81	0.54
9 bar	1.26	1.07	0.95	0.63
10 bar	1.31	1.11	0.98	0.65
11 bar	1.36	1.16	1.02	0.68
12 bar	1.49	1.27	1.02	0.74
13 bar	1.62	1.38	1.22	0.81
14 bar	1.70	1.45	1.28	0.85
15 bar	1.79	1.52	1.34	0.90

Sizing example

Compressed air to be purified

flow rate 550 m³/h
operating pressure 9 bar g
inlet temperature 35 °C

$$\text{dryer capacity} = \frac{550}{1.26} = 436.5 \text{ m}^3/\text{h}$$

selected AKM 60

OIL-X EVOLUTION Grade OVR II

High efficiency oil vapour removal

Technical Data

Filter Grade	Filter Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
OVR	300HGXX - 550IBXX	1	15	16	232	2	35	50	122

Product Selection - Grade OVR

Modular Aluminium range	Model	Flow Rates					UNIT PRICE GBP
		Pipe Size	L/s	m^3/min	m^3/hr	cfm	
	OVR300HGXX	G 2	87	5.2	314	185	2,280.08
	OVR350HGXX	G 2	177	10.6	637	375	4,225.51
	OVR400HGXX	G 2	354	21.2	1274	750	6,704.20
	OVR450IGXX	G 2 1/2"	531	31.9	1911	1125	8,904.19
	OVR500IGXX	G 2 1/2"	708	42.5	2549	1500	11,681.32
	OVR550IGXX	G 2 1/2"	885	53.1	3186	1875	14,299.36

CONNECTION TYPE — G = BSPP, N = NPT

Replacement Element Kit	No. Required	UNIT EACH GBP
300OVR	1	496.12
350OVR	1	916.18
400OVR	1	1,461.92
450OVR	1	1,917.25
500OVR	1	2,479.52
550OVR	1	3,329.55

Cartridge Change: Recommended every 12 months (when corrected to match system conditions)

Filter Selection - Grade OVR
To correctly select an OVR oil vapour removal filter, the flow rate of the OVR must be adjusted for the minimum operating pressure, maximum operational temperature and pressure dewpoint of the system.
1. Obtain the minimum operating pressure, maximum inlet temperature, maximum compressed air flow rate and dewpoint of the compressed air at the inlet of the OVR.
2. Select correction factor for maximum inlet temperature from the CFT table that corresponds to compressor type (always round up e.g. for 37°C use 40°C correction factor).
3. Select correction factor for minimum inlet pressure from the CFP table that corresponds to compressor type (always round down e.g. for 5.3 bar use 5 bar correction factor).
4. Select correction factor for pressure dewpoint from the CFD table.
5. Calculate minimum filtration capacity.
Minimum filtration Capacity = Compressed Air Flow x CFT x CFP x CFD
6. Using the minimum filtration capacity, select an OVR model from the flow rate tables above (OVR selected must have a flow rate equal to or greater than the minimum filtration capacity). If the minimum filtration capacity exceeds the maximum values of the models shown within the tables, please contact Parker domnick hunter for advice regarding larger multi-banked units.

Correction Factors Temperature (CFT)

Oil Lubricated Compressors

CFT Inlet Air Temperature		Correction Factor
°C	°F	
25	77	1.00
30	86	1.00
35	95	1.00
40	104	1.25
45	113	1.55
50	122	1.90

Oil-free Compressors

CFT Inlet Air Temperature		Correction Factor
°C	°F	
25	77	1.00
30	86	1.00
35	95	1.00
40	104	1.02
45	113	1.04
50	122	1.05

Correction Factors Pressure (CFP)

CFP Inlet Pressure		Correction Factor	CFP Inlet Pressure		Correction Factor
bar g	psi g		bar g	psi g	
3	44	2.00	10	145	1.00
4	58	1.60	11	160	1.00
5	73	1.33	12	174	1.00
6	87	1.14	13	189	1.00
7	100	1.00	14	203	1.00
8	116	1.00	15	218	1.00
9	131	1.00	16	232	1.00

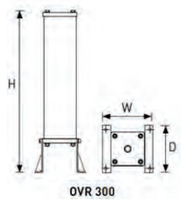
Correction Factors Dewpoint (CFD)

CFD Dewpoint	°C	°F	Correction Factor
Dry	-70 to +3	-100 to +38	1.00
Wet	+3 and above	+38 and above	4.00

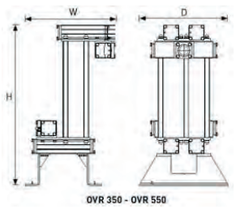
It is assumed inlet oil vapour concentration does not exceed 0.05mg/m^3 at 35°C (70°F). For applications with higher oil vapour concentrations, please contact Parker domnick hunter for accurate sizing.

Weights and Dimensions

Model	Pipe Size	Height (H)		Width (W)		Depth (D)		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OVR300H	G 2	792	31.2	245	9.6	230	9.1	28.5	62.8
OVR350H	G 2	1009	39.7	590	23.2	550	21.7	62.5	137.8
OVR400H	G 2	1009	39.7	735	28.9	550	21.7	71.5	157.6
OVR450I	G 2 1/2"	1009	39.7	888	35.0	550	21.7	92.8	204.6
OVR500I	G 2 1/2"	1009	39.7	1065	41.9	550	21.7	100.6	221.8
OVR550I	G 2 1/2"	1009	39.7	1234	48.6	550	21.7	122.0	269.0



OVR 300



OVR 350 - OVR 550

Previous OVR Model Codes	Order Cartridge	No. Required	UNIT PRICE GBP
OVR100EGXX	100OVR	1	431.55
OVR150HGXX	100OVR	2	431.55
OVR200HGXX	100OVR	4	431.55
OVR250JGXX	100OVR	6	431.55

OIL-X EVOLUTION

Replacement Elements and Accessories

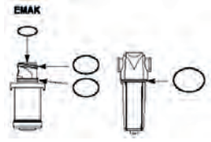
From (2005 to 2016)

Incident Monitor

Filter Model 015 to 055		GBP
015 - 055	DPM	58.52

Oil Indicator
AC010 - AC030 Combination Filters

Filter Model	GBP
605009902	56.35



O Ring Kits

Size	O'ring Kit	GBP
005 - 010	EMAK1	14.09
015 - 020	EMAK2	15.17
025 - 030	EMAK3	16.25
035 - 045	EMAK4	21.68
050 - 055	EMAK5	23.84

Filter Fixing Clamp Kits

Filter Model		GBP
005 - 010	FXKE1	54.18
015 - 020	FXKE2	53.09
025 - 030	FXKE3	66.10
035 - 045	FXKE4	71.52
050 - 055	FXKE5	78.02

GMBKE Mounting Bracket Kits

Filter Model		GBP
005 - 010	GMBKE1	35.76
015 - 020	GMBKE2	40.10
025 - 030	GMBKE3	45.51
035 - 045	GMBKE4	81.72
050 - 055	GMBKE5	145.15

Replacement Drains

AO/AA Grade filter fitted with float drains as standard.

EF1 Float drain	GBP
EF1	54.18

AR/AAR/ACS Grade filters fitted with a manual drain.

EM1 Manual Drain	GBP
EM1	53.09

OIL-X EVOLUTION replacement elements Filter 2005 to 2016					
For Housing Type	Grade AO	Grade AR	Grade ARV	ORDER Grade AO	UNIT PRICE GBP
005	005AO	005AR	005AR	005AO	50.54
010	010AO	010AR	010AR	010AO	54.84
015	015AO	015AR	015AR	015AO	86.01
020	020AO	020AR	020AR	020AO	99.99
025	025AO	025AR	025AR	025AO	122.57
030	030AO	030AR	030AR	030AO	144.07
035	035AO	035AR	035AR	035AO	163.43
040	040AO	040AR	040AR	040AO	194.61
045	045AO	045AR	045AR	045AO	276.33
050	050AO	050AR	050AR	050AO	324.71
055	055AO	055AR	055AR	055AO	437.61
060 (Requires 3 per Filter)	060AO	060AR	060AR	060AO	276.33

OIL-X EVOLUTION replacement elements Filter 2005 to 2016				
Grade AA	Grade AAR	Grade MV	ORDER Grade AA	UNIT PRICE GBP
005AA	005AAR	005MV	005AA	50.54
010AA	010AAR	010MV	010AA	54.84
015AA	015AAR	015MV	015AA	86.01
020AA	020AAR	020MV	020AA	99.99
025AA	025AAR	025MV	025AA	122.57
030AA	030AAR	030MV	030AA	144.07
035AA	035AAR	035MV	035AA	163.43
040AA	040AAR	040MV	040AA	194.61
045AA	045AAR	045MV	045AA	276.33
050AA	050AAR	050MV	050AA	324.71
055AA	055AAR	055MV	055AA	437.61
060AA	060AAR	060MV	060AA	276.33

For Housing Type	Grade ACS	Order ACS	UNIT PRICE GBP
005	005ACS	005ACS	54.87
010	010ACS	010ACS	61.45
015	015ACS	015ACS	97.66
020	020ACS	020ACS	111.92
025	025ACS	025ACS	140.44
030	030ACS	030ACS	163.49
035	035ACS	035ACS	182.14
040	040ACS	040ACS	220.55
045	045ACS	045ACS	313.81
050	050ACS	050ACS	367.58
055	055ACS	055ACS	495.96
060 (Requires 3 per Filter)	060ACS	060ACS	313.81

Genuine Parker domnick hunter

Replacement filter elements *including* OIL-Xplus ADVANTAGE

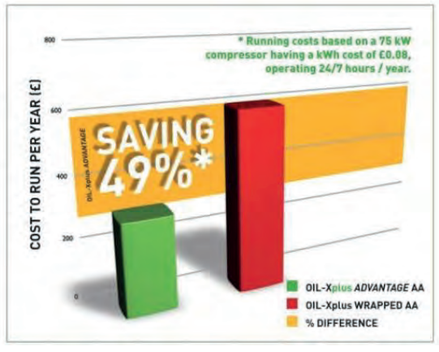
For Oil-X Filter XX-0009G to 1000G

OIL-Xplus replacement elements for OIL-X filters (1994 - 2004)										
For Housing Type	PF	UNIT PRICE GBP	AO (For AR order AO)	UNIT PRICE GBP	AA (For AAR order AA)	UNIT PRICE GBP	AX	UNIT PRICE GBP	ACS	UNIT PRICE GBP
0009G	K009PF	52.50	K009AO	50.40	K009AA	50.40	K009AX	65.10	K009ACS	53.55
0017G	K017PF	80.85	K017AO	78.75	K017AA	78.75	K017AX		K017ACS	82.95
0030G	K030PF	95.55	K030AO	91.35	K030AA	91.35	K030AX		K030ACS	97.65
0058G	K058PF	117.60	K058AO	113.40	K058AA	113.40	K058AX	149.10	K058ACS	119.70
0080G	K145PF	158.55	K145AO	150.15	K145AA	150.15	K145AX	195.30	K145ACS	158.55
0125G	K145PF	158.55	K145AO	150.15	K145AA	150.15	K145AX	195.30	K145ACS	158.55
0145G	K145PF	158.55	K145AO	150.15	K145AA	150.15	K145AX	195.30	K145ACS	158.55
0205G	K220PF	183.75	K220AO	178.50	K220AA	178.50	K220AX	234.15	K220ACS	189.00
0220G	K220PF	183.75	K220AO	178.50	K220AA	178.50	K220AX	234.15	K220ACS	189.00
0330G	K330PF	263.55	K330AO	256.20	K330AA	256.20	K330AX	334.95	K330ACS	269.85
0405G	K430PF	308.70	K430AO	300.30	K430AA	300.30	K430AX		K430ACS	317.10
0430G	K430PF	308.70	K430AO	300.30	K430AA	300.30	K430AX		K430ACS	317.10
0620G	K620PF	418.95	K620AO	406.35	K620AA	406.35	K620AX	604.80	K620ACS	430.50
1000G*	K330PF*	311.85	K330AO*	256.20	K330AA*	495.60	K330AX*	334.95	K330ACS*	269.85

*3 Filter elements required

OIL-Xplus Combination Filters			UNIT PRICE
For Housing Type	Element Code	Quantity	GBP
AC-0006G	K009AA	1	50.40
	K006AC	1	28.35
AC-0013G	K017AA	1	78.75
	K013AC	1	37.80
AC-0025G	K030AA	1	91.35
	K025AC	1	51.45
AC-0040G	K058AA	1	113.40
	K040AC	1	78.75
AC-0065G	K145AA	1	150.15
	K065AC	1	117.60
AC-0085G	K145AA	1	150.15
	K085AC	1	161.70

OIL-Xplus TS Series Elements					
Grade AOTS	Order NEW GREEN Cap	UNIT PRICE GBP	Grade AATS	Order NEW GREEN Cap	UNIT PRICE GBP
K009AOTS	K009AO	50.40	K009AATS	K009AA	50.40
K017AOTS	K017AO	78.75	K017AATS	K017AA	78.75
K030AOTS	K030AO	91.35	K030AATS	K030AA	91.35
K058AOTS	K058AO	113.40	K058AATS	K058AA	113.40
K145AOTS	K145AO	150.15	K145AATS	K145AA	150.15
K220AOTS	K220AO	178.50	K220AATS	K220AA	178.50
K330AOTS	K330AO	256.20	K330AATS	K330AA	256.20
K430AOTS	K430AO	300.30	K430AATS	K430AA	300.30
K620AOTS	K620AO	406.35	K620AATS	K620AA	406.35



(Grade)IP50-010-AGFX	G1/4	30	1.8	108	64	466.20
(Grade)IP50-020-BGFX	G3/8	45	2.7	162	95	542.85
(Grade)IP50-030-CGFX	G1/2	95	5.7	342	201	621.60
(Grade)IP50-040-DGFX	G3/4	145	8.7	522	307	735.00
(Grade)IP50-050-EGFX	G1	285	17.1	1026	604	1,204.35
(Grade)IP50-060-GGFX	G11/2	465	27.9	1674	985	1,379.70
(Grade)IP50-070-HGFX	G2	965	57.9	3473	2044	1,906.80

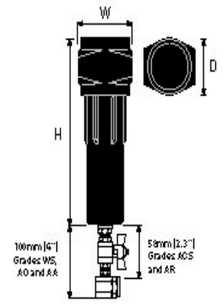
K009 (grade)	Refer page 15
K009 (grade)	Refer page 15
K030 (grade)	Refer page 15
K030 (grade)	Refer page 15
K145 (grade)	Refer page 15
K145 (grade)	Refer page 15
K220 (grade)	Refer page 15

G= BSPP, B=BSPT, N = NPT connection

Drain Options F = Automatic, M = Manual drain.

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
(Grade)IP50-010-AGFX	175	6.9	78	3.1	68	2.7	1.3	2.9
(Grade)IP50-020-BGFX	175	6.9	78	3.1	68	2.7	1.3	2.9
(Grade)IP50-030-CGFX	245	9.6	89	3.5	84	3.3	2.0	4.4
(Grade)IP50-040-DGFX	245	9.6	89	3.5	84	3.3	2.0	4.4
(Grade)IP50-050-EGFX	423	16.6	122	4.8	116	4.6	5.0	11.0
(Grade)IP50-060-GGFX	423	16.6	122	4.8	116	4.6	5.0	11.0
(Grade)IP50-070-HGFX	480	18.9	170	6.7	162	6.4	10.0	22.0



Technical data

	GRADE WS	GRADE A0	GRADE AA	GRADE ACS	GRADE AR	GRADE ARR
Particle removal down to:	-	1 micron	0.01 micron	-	1 micron	0.01 micron
Max. Remaining oil content at 21 C (70 F)	-	0.6 mg/m^3	0.01 mg/m^3	0.003 mg/m^3	-	-
		(0.5 ppm)	(0.01 ppm)	(0.003 ppm)	-	-
Max. Operating Pressure:	50 bar g (725 psi g)					
Max. Recommended operating temp:	100°C (212°F)	100°C (212°F)	100°C (212°F)	30°C (86°F)	100°C (212°F)	100°C (212°F)
Min. Recommended operating temp:	1.5°C (35°F)	1.5°C (35°F)	1.5°C (35°F)	1.5°C (35°F)	1.5°C (35°F)	1.5°C (35°F)
initial dry pressure differential:	-	70 mbar (1.0 psi)	140 mbar (2 psi)	70 mbar (1.0 psi)	70 mbar (1.0 psi)	140 mbar (2 psi)
Initial saturated pressure differential:	70 mbar (1.0 psi)	140 mbar (2 psi)	200 mbar (3 psi)	-	-	-
Change element every:	-	12 months	12 months	when oil vapour is detected	12 months	12 months

Notes:

1. Automatic drain fitted as standard on grades AO and AA
2. Manual ball valve fitted as standard on grades ACS, AR and AAR.
3. Grade ACS will NOT remove methane, carbon dioxide, carbon monoxide or other toxic gases or fumes.

Correction Factors

Line Pressure	bar g	20	25	30	35	40	45	50
	psi g	290	362	435	507	580	652	725
Correction Factor		2.43	1.96	1.65	1.42	1.24	1.11	1.00

1 Obtain minimum operating pressure and maximum compressed air flow rate at inlet to filter. 2 Select the correction factor for minimum operating pressure from the Correction Facotrs table (always round down eg. For 33 bar use 30 bar correction factor). 3 Calculate the minimum filtration capacity, Minimum Filtration Capacity = Compressed Air Flow Rate X Correction Factor. 4 Using the minimum filtration capacity select a filter model from the flow rate tables above (filter selection must have a flow rate equal to or great than the minimum fitlration capcity).

Level sensing condensate drain

ED2000 Adaptor/Strainer Kits			UNIT PRICE
Kit	For Filter**	Water Separator	GBP
AK1	0009G - 0145G	WS15-WS1000	58.51
AK2	0205G - 1000G	WS250-WS800	0.00
AK3	Strainer		85.60

Electronic Condensate Drain
Ecodrain ED3000 Series

Standard scope of supply :
Fully automatic, magnetic level-sensing , electronic condensate drain for compressed air and normal condensate up to 16 bar.
Power supply 230V 50-60 Hz.
Potential-free alarm contact provided (except ED3002 and ED3004).

Alternatives available :
NPT threaded and 115V/50-60 or BSP threaded and 24V DC (only ED3007 to ED3100).
No CE Mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for fluid group 2 for Fluid Group 2, according to article 3 paragraph 3.

Technical data

Model No.	Capacity compressor*1) m3/h	Capacity dryer*1) m3/h	Capacity Filter*1)*2) m3/h	Max. Pressure bar	Power Supply	Connection DIN ISO 228	UNIT PRICE GBP
ED3002-G230	---	---	720	16	230V, 50-60 Hz	G 3/8	155.90
ED3004-G230	240	480	2400	16	230V, 50-60 Hz	1xG 1/2"	189.23
ED3007-G230	420	840	4200	16	230V, 50-60 Hz	2xG 1/2"	306.43
ED3030-G230	1800	3600	18000	16	230V, 50-60 Hz	2xG 1/2"	438.68
ED3100-G230	6000	12000	60000	16	230V, 50-60 Hz	2xG 1/2"	581.69
ED3007-G24D	420	840	4200	16	24V DC	2xG 1/2"	306.43
ED3030-G24D	1800	3600	18000	16	24V DC	2xG 1/2"	438.68
ED3100-G24D	6000	12000	60000	16	24V DC	2xG 1/2"	581.69

ANSI B 1.20.1 (NPT-F)

*1) calculated at 1 bar(a) and 20°C at 7 bar working pressure,
compressor inlet 25°C, at 60% r.H.,
compressor discharge temperature 35°C, dewpoint fridge dryer 3C
*2) condensate from aftercooler or refridgeraion dryer already removed

Accessories

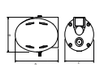
Part No.	Description	UNIT PRICE GBP
PSC230BI2	Power supply - Magnetic valve connector, Type B Industrial standard (11 mm) 2 +PE	#N/A
PSC230CI2	Voltage-free contact - Magnetic valve connector, Type C Industrial (9.4 mm) 3 +PE	#N/A

HDF & CDV series
Mechanical float drains
Timed drains

Product Selection

drain model	construction materials			technical data						dimensions (mm)			weight	List price
				air/gas flow without dryer		connections		max p.	power					
	body	float	lever	m3/h	m3/min	in	out	bar g	supply	A	B	C	(kg)	GBP
External float drains (with built-in air vent)														
HDF120A	alumin.	plastic	plastic	5,400	90	1/2"	1/2"	16	-	156	111	108	0.9	69.89
HDF180A	alumin.	plastic	plastic	6,000	100	1"	1/2"	16	-	156	111	108	0.9	107.52
HDF220A	alumin.	plastic	plastic	15,000	250	1"	1/2"	16	-	266	111	108	1.9	169.88
External float drains (without air vent)														
HDF120	alumin.	plastic	plastic	5,400	90	1/2"	1/2"	16	-	156	111	108	0.9	63.43
HDF180	alumin.	plastic	plastic	6,000	100	1"	1/2"	16	-	156	111	108	0.9	94.62
HDF220	alumin.	plastic	plastic	15,000	250	1"	1/2"	16	-	266	111	108	1.9	146.23
External float drains (NPT connection – with built in vent)														
HDF120NPTA	alumin.	plastic	plastic	5,400	90	1/2" NPT	1/2"	16	-	156	111	108	0.9	69.89
HDF180NPTA	alumin.	plastic	plastic	6,000	100	1" NPT	1/2"	16	-	156	111	108	0.9	173.11
HDF220NPTA	alumin.	plastic	plastic	15,000	250	1" NPT	1/2"	16	-	266	111	108	1.9	265.58
External float drains BioEnergy														
HDF220BE	alumin.	plastic/st steel	plastic/st steel	6,500	108	1"	1/2"	1	-	266	111	108	1.9	448.36
Timed drains														
CDV12024	plastic / brass			9,000	150	1/2"	3/8"	16	24/1/50-60	90	110	90	0.7	136.55
CDV120115	plastic / brass			9,000	150	1/2"	3/8"	16	115/1/60	90	110	90	0.7	136.55
CDV120230	plastic / brass			9,000	150	1/2"	3/8"	16	230/1/50-60	90	110	90	0.7	136.55
CDV120115HP	plastic / brass			9,000	150	1/2"	1/8"	50	230/1/50-60	90	110	90	0.7	182.79

Performances refer to 35°C compressed air inlet temperature, 25°C ambient temperature, 65%RH, 7 barg working pressure.
Air flows refer to application after the Aftercooler (worst case). For use with Dryers drain can treat twice as much air flow; for use with Filters drain can treat 6 times as much air flow. Figures for refrigeration dryers and filter assume adequate condensate removal upstream.



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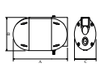

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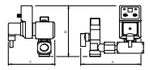


CDV

FLOAT DRAIN

product name		type		Model		Option		Nipple	
HD	Hyperdrain	F	Float	(X)XXX	model	NPT	NPT connections	A	with nipple
		E	Electronic			BE	Bioenergy		without nipple
							standard version		
HD		F		(X)XXX					

TIMED DRAIN

product name		Voltage		Pressure	
CDV120	CDV120	24	24V	HP	50 barg
		115	115V		17-24 barg
		230	230V		
CDV120		24			

ES2000 Oil / Water Separators

Oil / Water Separators for treatment of condensate from compressed air systems.

Technical data

Model	Hose Connection ID		Settlement tank capacity	Max. Pressure		Min/Max Temperature	Weight		UNIT PRICE
	Inlet	Outlet		bar g	psi g	°C	Empty	Full	GBP
ES2100-TI	1 x 1/2"- 1 x 1/4"	19mm (3/4")	N/A	16	232	5 - 35	6	24.5	279.55
ES2150-TI	1 x 1/2"- 1 x 1/4"	25mm (1")	60 L	16	232	5 - 35	10	78.5	512.87
ES2200-TI	1 x 1/2"- 1 x 1/4"	19mm (3/4")	75 L	16	232	5 - 35	12	93.5	604.26
ES2300-TI	1 x 1/2"- 3 x 1/4"	25mm (1")	125 L	16	232	5 - 35	27	159	885.97
ES2400-TI	1 x 1/2"- 3 x 1/4"	25mm (1")	185 L	16	232	5 - 35	36	217	1,053.69
ES2500-TI	1 x 1/2"- 3 x 1/4"	25mm (1")	335 L	16	232	5 - 35	70	400	1,316.05
ES2600-TI	1 x 1/2"- 3 x 1/4"	25mm (1")	485 L	16	232	5 - 35	97	550	1,919.23

Product Selector

All Parker Oil / Water separators are sized based upon the maximum condensate volume produced at a given set of ambient conditions.
Should the conditions differ from those shown below, please contact your sales representative for help.

Ambient Temperature at Compressor Inlet:	25°C (77°F)		
Relative Humidity:	65%	**System Pressure:**	7 bar g (100 psi g)
Compressor Discharge Temperature:	35°C (95°F)	**Refrigeration Dryer Dewpoint:**	3°C (38°F)

No Refrigeration dryer installed in system		OIL TYPE								
		Band A Turbine, Additive			Band B Mineral, PAO, TMP, PE			Band C Diesters, Triesters, PAG		
Compressor Type	Model	m^3/min	m^3/hr	cfm	m^3/min	m^3/hr	cfm	m^3/min	m^3/hr	cfm
Rotary, Screw, Vane	ES2100/TI	1.2	74	43	1.0	62	36	0.9	51	30
	ES2150/TI	3.5	211	124	3.0	179	106	2.4	146	86
	ES2200/TI	5.4	325	191	4.6	276	162	3.7	224	132
	ES2300/TI	7.6	456	268	6.4	383	225	5.2	314	185
	ES2400/TI	15.1	909	535	12.7	764	450	10.5	628	370
	ES2500/TI	30.1	1804	1062	25.5	1530	900	20.8	1247	734
	ES2600/TI	59.8	3590	2113	51.0	3057	1800	41.4	2482	1461

Refrigeration dryer installed in system		OIL TYPE								
		Band A Turbine, Additive			Band B Mineral, PAO, TMP, PE			Band C Diesters, Triesters, PAG		
Compressor Type	Model	m^3/min	m^3/hr	cfm	m^3/min	m^3/hr	cfm	m^3/min	m^3/hr	cfm
Rotary, Screw, Vane	ES2100/TI	0.9	55	33	0.8	46	27	0.6	38	22
	ES2150/TI	2.6	158	93	2.2	134	79	1.8	109	64
	ES2200/TI	4.1	243	143	3.4	207	122	2.8	168	99
	ES2300/TI	5.7	341	201	4.8	286	169	3.9	235	138
	ES2400/TI	11.3	680	400	9.5	572	337	7.8	470	277
	ES2500/TI	22.5	1351	795	19.1	1145	674	15.6	934	549
	ES2600/TI	44.8	2687	1582	38.1	2288	1347	31.0	1858	1093

IMPORTANT NOTE

The performance of the oil/water separator and the economic service life of the activated carbon is dependent upon the degree of oil dispersion and emulsification of the incoming condensate.
The frequency of activated carbon pack changes will therefore depend upon the following factors.
Compressor type and capacity, lubricant used, ambient temperature, relative humidity, pressure and condensate drainage method.
Static oil/water separators of this type will not totally separate oils that are soluble in water.

Model	Replacment Carbon Pack	UNIT PRICE GBP	Quantity Required	UNIT PRICE GBP
ES2100 & ES2100-TI	ESMK1	106.44	1	106.44
ES2150 & ES2150-TI	ESMK1	106.44	1	106.44
ES2200 & ES2200-TI	ESMK1	106.44	1	106.44
ES2300 & ES2300-TI	ESMK2	106.44	1	106.44
ES2400 & ES2400-TI	ESMK2	106.44	2	212.88
ES2500 & ES2500-TI	ESMK3	239.77	1	239.77
ES2600 & ES2600-TI	ESMK3	239.77	2	479.54

Vent Filter	UNIT PRICE GBP
ESVF1	15.17
ESVF1	15.17
ESVF1	15.17
ESVF2	19.51
ESVF2	19.51
ESVF2	19.51
ESVF2	19.51

Additional Oil Container	UNIT PRICE GBP
OC1	81.27
OC1	81.27
OC2	94.28
OC2	94.28
OC2	94.28
OC2	94.28

Oil / Water Separator maintenance kits

Replacement carbon bag kits for previous Parker domnick hunter ranges

To Suit Separator Models	Quantity Required	Maintenance kits	UNIT PRICE GBP	Total GBP
ES2100 & ES2100/TI	1	ESMK1	106.44	106.44
ES2150 & ES2150/TI				
ES2200 & ES2200/TI				
ES36				
ES90				
SE2010				
SE2015				
SE2030/SE2030P	2	ESMK1	106.44	212.88
ES2300 & ES2300/TI	1	ESMK2	106.44	106.44
ES125				
ES2400 & ES2400/TI	2	ESMK2	106.44	212.88
2ES250				
ES2500 & ES2500/TI	1	ESMK3	239.77	239.77
ES500				
ES2600 & ES2600/TI	2	ESMK3	239.77	479.54
ES1000				

Each ESMK kit consists of an activated carbon bag and adsorbent pre-filter.

Membrane Air Dryers
IT-series for 2 ˚C Pressure Dew-Point

Standard scope of supply:

Membrane dryer module
Includes Parker Balston prefiltration
Fully pneumatic

Standard 2 ˚C pressure dew-point
Achieves -9 ˚C pressure dew-point if preceded by a refrigerant dryer

Technical data and prices

Model	Product flow	Regen. Flow	Dimensions			Pressure	Weight	Inlet/Outlet	Mechanical separator (included)	Prefilter (included)	Coalescing filter (included)	Membrane module (included)	List price (£)
	m³/h	m³/h	mm			bar(g)	kg	NPT (female)					
			L	W	D								
IT0010-35	1.7	0.42	445	203	63	4.1 - 10	0.73	1/4 "	F14F17B	-	8A02N-0B2-BX	B04-0266	**688.56**
IT0030-35	5.1	0.85	452	256	63	4.1 - 10	3.0	1/4 "	F06F18B	-	2002N-0B1-BX	D03-0082	**837.14**
IT0080-35	13.6	2.5	610	282	63	4.1 - 10	3.0	1/4 "	F06F18B	-	2002N-0B1-BX	D03-0049	**1,177.00**
IT0150-35	25.5	4.6	635	406	114	4.1 - 10	6.75	1/2 "	F07F38B	2004N-1B1-DX	2004N-0B1-BX	D03-0050	**1,432.63**
IT0250-3560	42.5	7.6	660	457	152	4.1 - 6.9	11.1	1/2" / 1"	F07F38B	2104N-1B1-DX	2104-0B1-BX	D03-0052	**1,912.36**
IT0500-3560	85	15.3	990	533	152	4.1 - 6.9	16.6	1/2" / 1"	F07F38B	2208N-1B1-DX	2208N-0B1-BX	D03-0047	**2,665.11**
IT1000-3560	170	30.6	1190	710	180	4.1 - 6.9	24.0	1"	F602-08WJR	2208N-1B1-DX	2208N-0B1-BX	D03-0047 (x2)	
IT0250-3500	42.5	7.6	660	457	152	7 - 10	11.1	1/2" / 1"	F07F38B	2104N-1B1-DX	2104-0B1-BX	D03-0051	
IT0500-3500	85	15.3	990	533	152	7 - 10	16.6	1/2" / 1"	F07F38B	2208N-1B1-DX	2208N-0B1-BX	D03-0046	**2,716.56**
IT1000-3500	170	30.6	1190	710	180	7 - 10	24.0	1"	F602-08WJR	2208N-1B1-DX	2208N-0B1-BX	D03-0046 (x2)	**3,501.63**

Total air consumption = Product flow + Regeneration flow
Outlet pressure dew-point (100% inlet RH) 2 °C
Outlet pressure dew-point (3 °C inlet PDP) -9 °C
Ambient Temperature: 4 - 49 °C
Inlet Temperature: 4 - 49 °C
Maximum inlet pressure: 10 barg
Medium: Compressed air

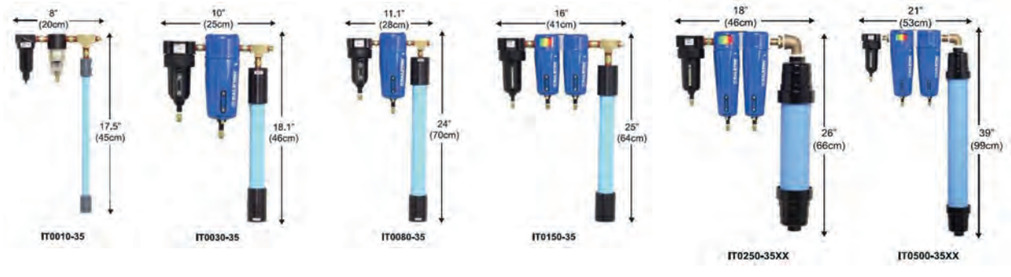
Electrical requirements None
Wall mountable Yes
Protection class: IP65

Delivered dewpoint and flow values are specified for saturated air at 38 °C and 7 barg.
For other operating pressures and temperatures please consult your Parker contact.

Replacement parts

Model	Stage 1: Mechnical separator cartridge	List price (£)	Stage 2: pre-filter (pack of 5)	List price (£)	Stage 3: coalescing filter (pack of 5)	List price (£)	Replacement membrane *	List price (£)
IT0010-35	PS403	POA	-		5/050-05-BX	**83.16**	B04-0266	**405.82**
IT0030-35	PS702	POA	-		5/100-12-BX	**115.31**	D03-0082	
IT0080-35	PS702	POA	-		5/100-12-BX	**115.31**	D03-0049	**622.23**
IT0150-35	PS802	POA	5/100-12-DX	**115.31**	5/100-12-BX	**115.31**	D03-0050	**746.23**
IT0250-3560	PS802	POA	5/100-18-DX	**212.89**	5/100-18-BX	**212.89**	D03-0052	**1,427.19**
IT0500-3560	PS802	POA	5/150-19-DX	**227.31**	5/150-19-BX	**227.31**	D03-0047	
IT1000-3560	EK602VB	POA	5/150-19-DX	**227.31**	5/150-19-BX	**227.31**	D03-0047 (x2)	
IT0250-3500	PS802	POA	5/100-18-DX	**212.89**	5/100-18-BX	**212.89**	D03-0051	
IT0500-3500	PS802	POA	5/150-19-DX	**227.31**	5/150-19-BX	**227.31**	D03-0046	**1,593.91**
IT1000-3500	EK602VB	POA	5/150-19-DX	**227.31**	5/150-19-BX	**227.31**	D03-0046 (x2)	

*: the membrane module is not part of the standard maintenance regime but can be replaced if damaged.



Membrane Air Dryers
76-series for -40 ˚C Atmospheric Dew-Point

Standard scope of supply:

Membrane dryer module
Built-in Parker Balston prefiltration
Includes mounting block for wall-mounting
Fully pneumatic
Inherently safe in hazardous areas

For -40 ˚C atmospheric dew-point

76-01, 76-02 and 76-10 modules may be mounted in vertical or horizontal position.

Technical data and prices

Model	Product flow	Regen. Flow	Dimensions			Weight	Inlet	Outlet	List price (£)	Optional additional prefilter	List price (£)
	m³/h	m³/h	mm			kg	NPT (female)	NPT (female)			
			H	W	D						
76-01	1.7	0.5	580	150	130	4	1/4 "	1/4 "	**1,185.30**	2002N-1B1-DX	**221.76**
76-02	3.4	0.8	580	150	130	5	1/4 "	1/4 "	**1,560.08**	2002N-1B1-DX	**221.76**
76-10	17	4.2	940	150	130	9	1/2 "	1/2 "	**2,072.35**	2104N-1B1-DX	**384.75**
76-20	34	8.5	940	300	180	9.5	1 "	1 "	**2,512.54**	2208N-1B1-DX	**685.24**
76-40	68	17	990	480	210	16	11/2 "	1"	**3,825.36**	2312N-1B1-DX	

Total air consumption = Product flow + Regeneration flow
Outlet pressure dew-point (100% inlet RH) 2 °C
Outlet pressure dew-point (3 °C inlet PDP) -9 °C
Ambient Temperature: 4 - 38 °C
Inlet Temperature: 4 - 49 °C
Inlet pressure: 4.1 - 10.3 barg
Pressure drop: 350 mbar
Medium: Compressed air

Electrical requirements None
Wall mountable Yes
Protection class: IP65

Delivered dewpoint and flow values are specified for saturated air at 38 °C and 7 barg.
For other operating pressures and temperatures please consult your Parker contact.

Capacities at other pressures

	4 barg		5.5 barg		8.3 barg		9.6 barg	
Model	Product flow	Regen. Flow	Product flow	Regen. Flow	Product flow	Regen. Flow	Product flow	Regen. Flow
	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h
76-01	0.5	0.3	1	0.3	2.2	0.5	2.9	0.5
76-02	1.2	0.5	1.7	0.7	4.4	1	5.8	1.2
76-10	5.6	2.9	8.5	3.6	22.1	5.1	28.9	5.9
76-20	11.2	5.8	17	7.1	44.2	10.2	57.8	11.9
76-40	22.4	11.6	34	14.3	88.3	20.4	115.5	23.8

Replacement parts

Model	Optional prefilter cartridge (pack of 10)	List price (£)	Coalescing filter (pack of 10)	List price (£)	Membrane module *	List price (£)	Auto drain	List price (£)
76-01	100-12-DX	**179.49**	100-12-BX	**229.53**	76209	**POA**	21552	**110.88**
76-02	100-12-DX	**179.49**	100-12-BX	**229.53**	76216	**POA**	21552	**110.88**
76-10	100-18-DX	**361.15**	100-18-BX	**348.91**	76221ALP	**POA**	21552	**110.88**
76-20	150-19-DX	**371.45**	150-19-BX	**391.41**	76282AL	**POA**	21552	**110.88**
76-40	200-35-DX	**560.22**	200-35-BX	**571.03**	76282AL (x2)	**POA**	21552	**110.88**

*: the membrane module is not part of the standard maintenance regime but can be replaced if damaged.

LOW FLOW ADSORPTION DRYER
ecodry K-MT series

Standard scope of supply:
Fully automatic heatless adsorption dryers for pressure dew-points of
-25 down to -70 °C, with multitronic-plus control device,
for supply voltage of 230 V, 50-60 Hz,
for drying compressed air.

CE mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for Fluid Group 2. No CE mark is required under article 3, paragraph 3
for K-MT 1 and K-MT 2

Provision of air to ISO8573.1:2010 Class 2.2.2 (standard) or 2.1.2 (optional).

Technical data and prices

Type		Capacity*1)	Dimensions			Connection	pressure	Weight	Order no.	List price (£)	Order no.	List price (£)	Product Group
		m³/h	mm			DIN ISO 228	bar(g)	kg					
			A	B	C	EN 1092-1			*2)	*2)	*3)	*3)	
K-MT	**1**	8	326	400	216	1/4 "	16	11.5	**K1/16D2-G230M**	**1,633.28**	**K1/16D2-G230MT**	**3,656.39**	21
K-MT	**2**	15	326	575	216	1/4 "	16	15.5	**K2/16D2-G230M**	**1,942.79**	**K2/16D2-G230MT**	**3,963.77**	21
K-MT	**3**	25	326	825	216	1/4 "	16	20.0	**K3/16D2-G230M**	**2,100.23**	**K3/16D2-G230MT**	**4,120.14**	21
K-MT	**4**	35	326	1075	216	1/4 "	16	25.0	**K4/16D2-G230M**	**2,463.30**	**K4/16D2-G230MT**	**4,485.35**	21

Includes pre- and afterfilter of GL series (GL2XL and GL2ZLH).
K-MT 3 - K-MT 4 acc. to PED 97/23/EC, module A.

Designed for frost-free installation in a non-hazardous environment.
Ambient Temperature: 1.5 - 50 °C
Inlet Temperature: 25 - 50 °C
Operating Pressure: 5 - 16 barg
Medium: Compressed air and gaseous Nitrogen

Standard electrical supply: 230V, 1ph, 50-60Hz
Alternative electrical supply: 115V, 1ph, 50-60Hz or 24V DC
Protection class: IP65

Optional dew-point sensor ZHM100 adjustable from -25 °C to -70 °C in 5 °C steps.

*1) calculated at 1 bar (abs.) and 20 °C, compressed to 7 bar g
and 35 °C inlet temperature, for press. dew-point - 40 °C
*2) multitronic plus, retrofittable with dew point sensor ZHM100
*3) Pressure dew-point control device - multitronic-plus with ZHM100
for reduction in purge-air consumption.

Higher capacities, operating pressures, inlet temperatures
or lower pressure dew-points on request.

Conversion factor pressure/temp. for press. dew-point - 40 °C

Pressure	Temperature in °C					
bar(g)	25	30	35	40	45	50
5 bar	0.80	0.79	0.75	0.64	0.61	0.59
6 bar	0.92	0.91	0.89	0.78	0.73	0.67
7 bar	1.03	1.02	1.00	0.91	0.82	0.79
8 bar	1.16	1.15	1.13	1.00	0.94	0.86
9 bar	1.30	1.28	1.26	1.08	1.03	0.99
10 bar	1.37	1.39	1.31	1.16	1.07	1.03
11 bar	1.52	1.49	1.36	1.24	1.10	1.07
12 bar	1.61	1.61	1.49	1.36	1.23	1.18
13 bar	1.75	1.75	1.62	1.47	1.35	1.29
14 bar	1.89	1.89	1.71	1.57	1.46	1.38
15 bar	2.00	2.00	1.79	1.67	1.57	1.46

Sizing example

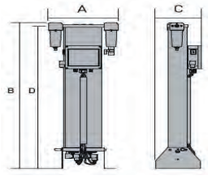
Compressed air to be dried

flow rate	30	m³/h
operating pressure	9	bar g
inlet temperature	35	°C
press.dew point	-40	°C

dryer capacity = 30 / 1.26 = 23.8 m³/h

selected K-MT3

Type		Dimensions			
		mm			
		A	B	C	D
K-MT	**1**	326	400	216	376
K-MT	**2**	326	575	216	551
K-MT	**3**	326	825	216	801
K-MT	**4**	326	1075	216	1051



LOW FLOW OIL-FREE AIR SYSTEMS
ecodry KA-MT series

Standard scope of supply:
Fully automatic heatless adsorption dryers for pressure dew-points of
-25 down to -70 °C, with multitronic-plus control device,
for supply voltage of 230 V, 50-60 Hz,
for drying compressed air.

CE mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for Fluid Group 2. No CE mark is required under article 3, paragraph 3
for KA-MT 1 and KA-MT 2

Provision of air to ISO8573.1:2010 Class 2.2.1 (standard) or 2.1.1 (optional).

Technical data and prices

Type		Capacity*1)	Dimensions			Connection	pressure	Weight	Order no.	List price (£)	Order no.	List price (£)	Product Group
		m³/h	mm			DIN ISO 228	bar(g)	kg					
			A	B	C	EN 1092-1			*2)	*2)	*3)	*3)	
KA-MT	**1**	8	326	400	216	1/4 "	16	11.5	**K1/16DA2-G230M**	**2,177.34**	**K1/16DA2-G230MT**	**4,209.03**	21
KA-MT	**2**	15	326	575	216	1/4 "	16	15.5	**K2/16DA2-G230M**	**2,562.90**	**K2/16DA2-G230MT**	**4,613.87**	21
KA-MT	**3**	25	326	825	216	1/4 "	16	20.0	**K3/16DA2-G230M**	**2,768.54**	**K3/16DA2-G230MT**	**4,818.43**	21
KA-MT	**4**	35	326	1075	216	1/4 "	16	25.0	**K4/16DA2-G230M**	**3,251.55**	**K4/16DA2-G230MT**	**5,302.52**	21

Includes pre- and afterfilter of GL series (GL2XL and GL2ZLH).
KA-MT 3 - KA-MT 4 acc. to PED 97/23/EC, module A.

Designed for frost-free installation in a non-hazardous environment.
Ambient Temperature: 1.5 - 50 °C
Inlet Temperature: 25 - 50 °C
Operating Pressure: 5 - 16 barg
Medium: Compressed air and gaseous Nitrogen

Standard electrical supply: 230V, 1ph, 50-60Hz
Alternative electrical supply: 115V, 1ph, 50-60Hz or 24V DC
Protection class: IP65

Optional dew-point sensor ZHM100 adjustable from -25 °C to -70 °C in 5 °C steps.

*1) calculated at 1 bar (abs.) and 20 °C, compressed to 7 bar g
and 35 °C inlet temperature, for press. dew-point - 40 °C
*2) multitronic plus, retrofittable with dew point sensor ZHM100
*3) Pressure dew-point control device - multitronic-plus with ZHM100
for reduction in purge-air consumption.

Higher capacities, operating pressures, inlet temperatures
or lower pressure dew-points on request.

Conversion factor pressure/temp. for press. dew-point - 40 °C

Pressure	Temperature in °C					
bar(g)	25	30	35	40	45	50
5 bar	0.80	0.79	0.75	0.64	0.61	0.59
6 bar	0.92	0.91	0.89	0.78	0.73	0.67
7 bar	1.03	1.02	1.00	0.91	0.82	0.79
8 bar	1.16	1.15	1.13	1.00	0.94	0.86
9 bar	1.30	1.28	1.26	1.08	1.03	0.99
10 bar	1.37	1.39	1.31	1.16	1.07	1.03
11 bar	1.52	1.49	1.36	1.24	1.10	1.07
12 bar	1.61	1.61	1.49	1.36	1.23	1.18
13 bar	1.75	1.75	1.62	1.47	1.35	1.29
14 bar	1.89	1.89	1.71	1.57	1.46	1.38
15 bar	2.00	2.00	1.79	1.67	1.57	1.46

Sizing example

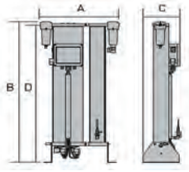
Compressed air to be dried

flow rate	30	m³/h
operating pressure	9	bar g
inlet temperature	35	°C
press.dew point	-40	°C

dryer capacity = 30 / 1.26 = 23.8 m³/h

selected KA-MT3

Type		Dimensions			
		mm			
		A	B	C	D
KA-MT	**1**	459	400	216	376
KA-MT	**2**	459	575	216	551
KA-MT	**3**	459	825	216	801
KA-MT	**4**	459	1075	216	1051



CDAS Clean Dry Air System for -20, -40 or -70pdp

"Truly unique energy saving features as standard, 3rd Party validated performance, combines Zander Drying Technology with Oil-X Filtration to deliver robust performance over extended operation."

For Compressed Air systems 55 to 300 m3/hr 7 bar g.

Dryer Performance

Dryer Models	Dewpoint °C	Dewpoint (°F)	Controller	Oil-X Pre-Filtration WSP	Oil-X Pre-Filtration AOP	Oil-X Pre-Filtration AAP	Post AOP	Air Quality 3rd Party Validated ISO8573-1:2010
CDASHL055 to 085	*For -20 (order -40)*	(-4)	"E" for EST Standard For Hygrometer order separate kit.	No - Order Separately	YES - Coalescer	YES - Coalescer	YES (Dust)	Class 2.3.2
	-40	(-40)						**Class 2.2.2**
CDASHL055 to 085	**-70**	(-100)	"E" for EST Controller and Hygrometer Display Standard.					**Class 2.1.2**

Technical data

Dryer Models	Min Operating Pressure bar g	Min Operating Pressure psi g	Max Operating Pressure bar g	Max Operating Pressure psi g	Min Inlet Temperature °C	Min Inlet Temperature °F	Max inlet Temperature °C	Max inlet Temperature °F	Max Ambient Temp °C	Max Ambient Temp °F
CDASHL055 to 085	4	58	**16**	232	5	41	50	122	55	131

Dryer Models	Electrical Supply	Thread Connection	Noise Level (average) dB(A)
CDASHL055 to 085	**85-265V 1ph 50/60Hz**	Standard G (BSPP) Option N (NPT)	**<75**

Pressure Vessel Approvals CDASHL055 to 085	Developed and Manufactured top DIN EN ISO9001, DEN EN ISO14001 and IP65 Pressure Vessel approved for Fluid Group 2 in accordance with the Pressure Directive 97/23/EC and AS1210. Approval to ASME VIII Div 1 not required . For use with Compressed Air and gaseous Nitrogen.

Product Selection

Model	Pipe Size	Inlet Flowrates -20 PDP L/S	Inlet Flowrates -20 PDP m^3/hr	Inlet Flowrates -20 PDP cfm	Inlet Flowrates -40 PDP L/S	Inlet Flowrates -40 PDP m^3/hr	Inlet Flowrates -40 PDP cfm	Inlet Flowrates -70 PDP L/S	Inlet Flowrates -70 PDP m^3/hr	Inlet Flowrates -70 PDP cfm
CDASHL050	G1/2"	16	**60**	35	15	**55**	32	8	**28**	16
CDASHL055	G1/2"	21	**77**	45	19	**70**	41	10	**35**	21
CDASHL060	G1/2"	27	**99**	58	25	**90**	53	13	**45**	27
CDASHL065	G1/2"	34	**121**	71	31	**110**	65	16	**55**	33
CDASHL070	G3/4"	46	**165**	97	42	**150**	88	21	**75**	44
CDASHL075	G1"	56	**203**	120	51	**185**	109	26	**93**	55
CDASHL080	G1"	67	**242**	142	61	**220**	129	31	**110**	65
CDASHL085	G1 1/2"	91	**330**	195	83	**300**	177	42	**150**	89

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure.

For flows at other pressures, apply the correction factors shown.

Product Selection and Correction Factors

For correct operation, compressed air dryers should be sized for the MINIMUM 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 MDC = SYSTEM FLOW at Installation point X CFIT(Correction Factor MAX Inlet Temp) X CFAT (Correction Factor MAX Ambient temp) X CFP (Correction Factor MINIMUM inlet pressure) X CFD (Desired dewpoint). Then from PRODUCT SELECTION table select dryer with flow rate equal to or greater than calculated MDC.

CFIT - correction factor MAXIMUM INLET temperature							
Maximum inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	**1.00**	**1.00**	**1.00**	**1.04**	**1.14**	**1.37**

CFAT - correction factor MAXIMUM AMBIENT temperature							
Maximum inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

CFP - correction factor MINIMUM INLET dryer pressure														
Minimum inlet Temperature	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	58	73	87	102	116	131	145	160	174	189	203	218	232
	CFP	**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**

Dewpoint Correction Factor CFD				
Required Dewpoint	PDP °C	-20	-40	-70
	PDP °F	-4	-40	-100
	CFD	**0.91**	**1.00**	**2.00**

CDAS Clean Dry Air System for -20, -40 or -70pdp

"Truly unique energy saving features as standard, 3rd Party validated performance, combines Zander Drying Technology with Oil-X Filtration to deliver robust performance over extended operation."

For Compressed Air systems 55 to 300 m3/hr 7 bar g.

Order -40 PDP and follow USER GUIDE instructions	Pipe Size	Inlet Flowrates -20 PDP L/S	Inlet Flowrates -20 PDP m^3/hr	Inlet Flowrates -20 PDP cfm	UNIT PRICE GBP
CDASHL050-40G16AE	G1/2"	16	**60**	35	3,261.20
CDASHL055-40G16AE	G1/2"	21	**77**	45	3,551.44
CDASHL060-40G16AE	G1/2"	27	**99**	58	4,047.31
CDASHL065-40G16AE	G1/2"	34	**121**	71	4,350.40
CDASHL070-40G16AE	G3/4"	46	**165**	97	5,055.12
CDASHL075-40G16AE	G1"	56	**203**	120	5,682.73
CDASHL080-40G16AE	G1"	67	**242**	142	6,161.46
CDASHL085-40G16AE	G1 1/2"	91	**330**	195	7,062.17

PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
M12.FSK.0002	442.91	M60.DSK.0009	1,104.09
M12.FSK.0002	442.91	M60.DSK.0010	1,120.06
M12.FSK.0003	442.91	M60.DSK.0011	1,193.53
M12.FSK.0003	442.91	M60.DSK.0012	1,219.08
M12.FSK.0004	465.27	M60.DSK.0013	1,238.25
M12.FSK.0004	465.27	M60.DSK.0014	1,401.15
M12.FSK.0004	465.27	M60.DSK.0015	1,455.45
M12.FSK.0005	465.27	M60.DSK.0016	1,493.77

-40 PDP Model	Pipe Size	Inlet Flowrates -40 PDP L/S	Inlet Flowrates -40 PDP m^3/hr	Inlet Flowrates -40 PDP cfm	UNIT PRICE GBP
CDASHL050-40G16AE	G1/2"	15	**55**	32	3,261.20
CDASHL055-40G16AE	G1/2"	19	**70**	41	3,551.44
CDASHL060-40G16AE	G1/2"	25	**90**	53	4,047.31
CDASHL065-40G16AE	G1/2"	31	**110**	65	4,350.40
CDASHL070-40G16AE	G3/4"	42	**150**	88	5,055.12
CDASHL075-40G16AE	G1"	51	**185**	109	5,682.73
CDASHL080-40G16AE	G1"	61	**220**	129	6,161.46
CDASHL085-40G16AE	G1 1/2"	83	**300**	177	7,062.17

PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
M12.FSK.0002	442.91	M60.DSK.0009	1,104.09
M12.FSK.0002	442.91	M60.DSK.0010	1,120.06
M12.FSK.0003	442.91	M60.DSK.0011	1,193.53
M12.FSK.0003	442.91	M60.DSK.0012	1,219.08
M12.FSK.0004	465.27	M60.DSK.0013	1,238.25
M12.FSK.0004	465.27	M60.DSK.0014	1,401.15
M12.FSK.0004	465.27	M60.DSK.0015	1,455.45
M12.FSK.0005	465.27	M60.DSK.0016	1,493.77

-70 PDP Model	Pipe Size	Inlet Flowrates -70 PDP L/S	Inlet Flowrates -70 PDP m^3/hr	Inlet Flowrates -70 PDP cfm	UNIT PRICE GBP
CDASHL050-70G16AE	G1/2"	8	**28**	16	4,120.14
CDASHL055-70G16AE	G1/2"	10	**35**	21	4,410.38
CDASHL060-70G16AE	G1/2"	13	**45**	27	4,906.25
CDASHL065-70G16AE	G1/2"	16	**55**	33	5,209.35
CDASHL070-70G16AE	G3/4"	21	**75**	44	5,914.06
CDASHL075-70G16AE	G1"	26	**93**	55	6,413.40
CDASHL080-70G16AE	G1"	31	**110**	65	7,020.40
CDASHL085-70G16AE	G1 1/2"	42	**150**	89	7,921.12

PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
M12.FSK.1002	1,401.15	M60.DSK.1009	1,204.17
M12.FSK.1002	1,401.15	M60.DSK.1010	1,224.41
M12.FSK.1003	1,401.15	M60.DSK.1011	1,320.23
M12.FSK.1003	1,401.15	M60.DSK.1012	1,346.85
M12.FSK.1004	1,442.67	M60.DSK.1013	1,370.27
M12.FSK.1004	1,442.67	M60.DSK.1014	1,580.01
M12.FSK.1004	1,442.67	M60.DSK.1015	1,589.60
M12.FSK.1005	1,442.67	M60.DSK.1016	1,621.54

Model	Optional Water Separator WSP (order separately)	Inlet General Purpose AOP	Inlet High Efficiency Filter AAP	Outlet Dust Filter AOP	Optional High Efficiency DUST Filter AAP (order separately)
CDAS050	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP015CGMX
CDAS055	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP015CGMX
CDAS060	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP020CGMX
CDAS065	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP020CGMX
CDAS070	WSP025DGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP025DGMX
CDAS075	WSP025EGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP025EGMX
CDAS080	WSP025EGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP025EGMX
CDAS085	WSP030GGFX	Integral AOP Filter	Integral AAP Filter	Integral AOP Filter	AAP030GGMX
		Integrated Filtration System Supplied with CDAS dryer			

OFAS Oil Free Air System for -20, -40 or -70pdp

"Truly unique energy saving features as standard, 3rd Party validated performance, combines Zander Drying Technology with Oil-X Filtration to deliver robust performance over extended operation."

For Compressed Air systems 55 to 300 m3/hr 7 bar g.

Dryer Performance

Dryer Models	Dewpoint °C	Dewpoint (°F)	Controller	Oil-X Pre-Filtration WSP	Oil-X Pre-Filtration AOP	Oil-X Pre-Filtration AAP	Post AC	Post AOP	Air Quality 3rd Party Validated ISO8573-1:2010
OFASHL055 to 085	*For -20 (order -40)*	(-4)	"E" for EST Standard For Hygrometer order separate kit.	No - Order Separately	YES - Coalescer	YES - Coalescer	AC Tower	YES (Dust)	Class 2.3.0
	-40	(-40)							**Class 2.2.0**
OFASHL055 to 085	**-70**	(-100)	"E" for EST Controller and Hygrometer Display Standard.						**Class 2.1.0**

Technical data

Dryer Models	Min Operating Pressure bar g	Min Operating Pressure psi g	Max Operating Pressure bar g	Max Operating Pressure psi g	Min Inlet Temperature °C	Min Inlet Temperature °F	Max inlet Temperature °C	Max inlet Temperature °F	Max Ambient Temp °C	Max Ambient Temp °F
OFASHL055 to 085	4	58	**16**	232	5	41	50	122	55	131

Dryer Models	Electrical Supply	Thread Connection	Noise Level (average) dB(A)
OFASHL055 to 085	**85-265V 1ph 50/60Hz**	Standard G (BSPP) Option N (NPT)	**<75**

Pressure Vessel Approvals OFASHL055 to 085	Developed and Manufactured top DIN EN ISO9001, DEN EN ISO14001 and IP65 Pressure Vessel approved for Fluid Group 2 in accordance with the Pressure Directive 97/23/EC and AS1210. Approval to ASME VIII Div 1 not required . For use with Compressed Air and gaseous Nitrogen.

Product Selection

Model	Pipe Size	Inlet Flowrates -20 PDP L/S	Inlet Flowrates -20 PDP m^3/hr	Inlet Flowrates -20 PDP cfm	Inlet Flowrates -40 PDP L/S	Inlet Flowrates -40 PDP m^3/hr	Inlet Flowrates -40 PDP cfm	Inlet Flowrates -70 PDP L/S	Inlet Flowrates -70 PDP m^3/hr	Inlet Flowrates -70 PDP cfm
OFASHL050	G1/2"	16	**60**	35	15	**55**	32	8	**28**	16
OFASHL055	G1/2"	21	**77**	45	19	**70**	41	10	**35**	21
OFASHL060	G1/2"	27	**99**	58	25	**90**	53	13	**45**	27
OFASHL065	G1/2"	34	**121**	71	31	**110**	65	16	**55**	33
OFASHL070	G3/4"	46	**165**	97	42	**150**	88	21	**75**	44
OFASHL075	G1"	56	**203**	120	51	**185**	109	26	**93**	55
OFASHL080	G1"	67	**242**	142	61	**220**	129	31	**110**	65
OFASHL085	G1 1/2"	91	**330**	195	83	**300**	177	42	**150**	89

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure.

For flows at other pressures, apply the correction factors shown.

Product Selection and Correction Factors

For correct operation, compressed air dryers should be sized for the MINIMUM 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 MDC = SYSTEM FLOW at Installation point X CFIT(Correction Factor MAX Inlet Temp) X CFAT (Correction Factor MAX Ambient temp) X CFP (Correction Factor MINIMUM inlet pressure) X CFD (Desired dewpoint). Then from PRODUCT SELECTION table select dryer with flow rate equal to or greater than calculated MDC.

CFIT - correction factor MAXIMUM INLET temperature							
Maximum inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	**1.00**	**1.00**	**1.00**	**1.04**	**1.14**	**1.37**

CFAT - correction factor MAXIMUM AMBIENT temperature							
Maximum inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

CFP - correction factor MINIMUM INLET dryer pressure														
Minimum inlet Temperature	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	58	73	87	102	116	131	145	160	174	189	203	218	232
	CFP	**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**

Dewpoint Correction Factor CFD				
Required Dewpoint	PDP °C	-20	-40	-70
	PDP °F	-4	-40	-100
	CFD	**0.91**	**1.00**	**2.00**

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For Compressed Air systems 55 to 300 m3/hr 7 bar g.

Order -40 PDP and follow USER GUIDE instructions	Pipe Size	Inlet Flowrates -20 PDP L/S	Inlet Flowrates -20 PDP m^3/hr	Inlet Flowrates -20 PDP cfm	UNIT PRICE GBP	PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
OFASHL050-40G16AE	G1/2"	16	**60**	35	3,913.44	M12.FSK.0011	513.19	M60.DSK.0009	1,104.09
OFASHL055-40G16AE	G1/2"	21	**77**	45	4,261.51	M12.FSK.0011	513.19	M60.DSK.0010	1,120.06
OFASHL060-40G16AE	G1/2"	27	**99**	58	4,856.98	M12.FSK.0012	513.19	M60.DSK.0011	1,193.53
OFASHL065-40G16AE	G1/2"	34	**121**	71	5,220.05	M12.FSK.0012	513.19	M60.DSK.0012	1,219.08
OFASHL070-40G16AE	G3/4"	46	**165**	97	6,066.14	M12.FSK.0013	538.74	M60.DSK.0013	1,238.25
OFASHL075-40G16AE	G1"	56	**203**	120	6,819.06	M12.FSK.0014	561.10	M60.DSK.0014	1,401.15
OFASHL080-40G16AE	G1"	67	**242**	142	7,394.18	M12.FSK.0014	561.10	M60.DSK.0015	1,455.45
OFASHL085-40G16AE	G1 1/2"	91	**330**	195	8,473.75	M12.FSK.0015	595.17	M60.DSK.0016	1,493.77

-40 PDP Model	Pipe Size	Inlet Flowrates -40 PDP L/S	Inlet Flowrates -40 PDP m^3/hr	Inlet Flowrates -40 PDP cfm	UNIT PRICE GBP	PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
OFASHL050-40G16AE	G1/2"	15	**55**	32	3,913.44	M12.FSK.0011	513.19	M60.DSK.0009	1,104.09
OFASHL055-40G16AE	G1/2"	19	**70**	41	4,261.51	M12.FSK.0011	513.19	M60.DSK.0010	1,120.06
OFASHL060-40G16AE	G1/2"	25	**90**	53	4,856.98	M12.FSK.0012	513.19	M60.DSK.0011	1,193.53
OFASHL065-40G16AE	G1/2"	31	**110**	65	5,220.05	M12.FSK.0012	513.19	M60.DSK.0012	1,219.08
OFASHL070-40G16AE	G3/4"	42	**150**	88	6,066.14	M12.FSK.0013	538.74	M60.DSK.0013	1,238.25
OFASHL075-40G16AE	G1"	51	**185**	109	6,819.06	M12.FSK.0014	561.10	M60.DSK.0014	1,401.15
OFASHL080-40G16AE	G1"	61	**220**	129	7,394.18	M12.FSK.0014	561.10	M60.DSK.0015	1,455.45
OFASHL085-40G16AE	G1 1/2"	83	**300**	177	8,473.75	M12.FSK.0014	561.10	M60.DSK.0016	1,493.77

-70 PDP Model	Pipe Size	Inlet Flowrates -70 PDP L/S	Inlet Flowrates -70 PDP m^3/hr	Inlet Flowrates -70 PDP cfm	UNIT PRICE GBP	PM kit 12 month	UNIT PRICE GBP	PM kit 60 month	UNIT PRICE GBP
OFASHL050-70G16AE	G1/2"	8	**28**	16	4,772.38	M12.FSK.1011	1,471.41	M60.DSK.1009	1,204.17
OFASHL055-70G16AE	G1/2"	10	**35**	21	5,120.45	M12.FSK.1011	1,471.41	M60.DSK.1010	1,224.41
OFASHL060-70G16AE	G1/2"	13	**45**	27	5,715.93	M12.FSK.1012	1,471.41	M60.DSK.1011	1,320.23
OFASHL065-70G16AE	G1/2"	16	**55**	33	6,079.00	M12.FSK.1012	1,471.41	M60.DSK.1012	1,346.85
OFASHL070-70G16AE	G3/4"	21	**75**	44	6,925.08	M12.FSK.1013	1,515.07	M60.DSK.1013	1,370.27
OFASHL075-70G16AE	G1"	26	**93**	55	7,678.00	M12.FSK.1014	1,537.43	M60.DSK.1014	1,580.01
OFASHL080-70G16AE	G1"	31	**110**	65	8,253.12	M12.FSK.1014	1,537.43	M60.DSK.1015	1,589.60
OFASHL085-70G16AE	G1 1/2"	42	**150**	89	9,332.69	M12.FSK.1015	1,609.82	M60.DSK.1016	1,621.54

	Pre-Filtration			Post Filtration		
Model	Optional Water Separator WSP (order separately)	Inlet General Purpose AOP	Inlet High Efficiency Filter AAP	Activated Carbon integral Tower	Outlet Dust Filter AOP	Optional High Efficiency DUST Filter AAP (order separately)
OFAS050	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP015CGMX
OFAS055	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP015CGMX
OFAS060	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP020CGMX
OFAS065	WSP015CGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP020CGMX
OFAS070	WSP025DGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP025DGMX
OFAS075	WSP025EGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP025EGMX
OFAS080	WSP025EGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP025EGMX
OFAS085	WSP030GGFX	Integral AOP Filter	Integral AAP Filter	Integral AC Cartridge	Integral AOP Filter	AAP030GGMX
	Pre-Filtration			Post Filtration		

PNEUDRI MX Heatless

Compressed air desiccant dryers (from 408 m^3/h)

Product Selection

	Model	Pipe Size	Inlet Flowrates			
			L/S	m^3/min	m^3/hr	cfm
Single Bank	MX 102C	G 2	113	6.81	408	240
	MX 103C	G 2	170	10.22	612	360
	MX 103	G 2	213	12.78	765	450
	MX 104	G 2	283	17.03	1020	600
	MX 105	G 2 1/2	354	21	1275	750
	MX 106	G 2 1/2	425	26	1530	900
	MX 107	G 2 1/2	496	30	1785	1050
	MX 108	G 2 1/2	567	34	2040	1200
Multi-Bank	2 x MX ☐ 105	G 2 1/2	708	43	2550	1500
	2 x MX ☐ 106	G 2 1/2	850	51	3060	1800
	2 x MX ☐ 107	G 2 1/2	992	60	3570	2100
	2 x MX ☐ 108	G 2 1/2	1133	68	4080	2400
	3 x MX ☐ 106	G 2 1/2	1275	77	4590	2700
	3 x MX ☐ 107	G 2 1/2	1488	89	5355	3150
	3 x MX ☐ 108	G 2 1/2	1700	102	6120	3600

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure.
For flows at other pressures, apply the correction factors shown.

Dryer Coding example

DRYER MODEL	CONTROLLER TYPE	NUMBER OF DRYING BANKS	NUMBER OF DRYING COLUMNS	DDS ENERGY MANAGEMENT
MX	S = Smart A = Advanced	No of individual dryers in installation	Number of columns per dryer bank	DS = DDS Fitted (DDS standard with Electronic Controllers)
MX	S	3	08	DS

Example: PNEUDRI model MXS308DS

Dryer Performance

Dryer Models	Dewpoint (Standard)		ISO8573-1:201 Classification (standard)	Dewpoint (Option 1)		ISO8573-1:2010 Classification (Option 1)	Dewpoint (Option 2)		ISO8573-1:2010 Classification (Option 1)
	°C	°F		°C	°F		°C	°F	
MX ☐	-40	-40	Class 2	-70	-100	Class 1	-20	-4	Class 3
MXP*	-40	-40	Class 2	-70	-100	Class 1	-20	-4	Class 3

Technical Data

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature		Max Ambient Temperature	
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F
MXS	4	58	13	190	2	35	50	122	55	131
MXA	4	58	13	190	2	35	50	122	55	131
MXP*	4	58	13	190	2	35	50	122	55	131

Dryer Models	Electrical Supply (standard)	Electrical Supply (optional)	Thread Connection	Noise Level
				dB(A)
MXS	85-265V 1ph 50/60Hz	N/A	BSPP or NPT	<75
MXA	85-265V 1ph 50/60Hz	N/A	BSPP or NPT	<75
MXP*	N/A	N/A	BSPP or NPT	<75

Controller Options

Controller Options	Function								
	Power on Indication	Fault Indication	Display Fault Condition Values	Service Interval Indication	Service Countdown Timers	Configurable Alarm Settings	Remote Volt Free Alarm Contact	Filter Service Timer	DDS Energy Management System
SMART	•	•		•			•		
SMART DDS	•	•		•			•		•
Electronic DDS	•	•	•	•	•	•	•	•	•

PNEUDRI MX Heatless (continued on next page)

Compressed air desiccant dryers

Product Selection - PNEUDRI MX

	MX Item Number	UNIT PRICE GBP	MX / DS Item Number	UNIT PRICE GBP
-20	MXS102C-20	POA	MXS102CDS-20	POA
	MXS103C-20	POA	MXS103CDS-20	POA
	MXS103-20	POA	MXS103DS-20	POA
	MXS104-20	POA	MXS104DS-20	POA
	MXS105-20	POA	MXS105DS-20	POA
	MXS106-20	POA	MXS106DS-20	POA
	MXS107-20	POA	MXS107DS-20	POA
	MXS108-20	POA	MXS108DS-20	POA
-40	MXS102C-40	POA	MXS102CDS-40	POA
	MXS103C-40	POA	MXS103CDS-40	POA
	MXS103-40	POA	MXS103DS-40	POA
	MXS104-40	POA	MXS104DS-40	POA
	MXS105-40	POA	MXS105DS-40	POA
	MXS106-40	POA	MXS106DS-40	POA
	MXS107-40	POA	MXS107DS-40	POA
	MXS108-40	POA	MXS108DS-40	POA
-70	MXS102C-70	POA	MXS102CDS-70	POA
	MXS103C-70	POA	MXS103CDS-70	POA
	MXS103-70	POA	MXS103DS-70	POA
	MXS104-70	POA	MXS104DS-70	POA
	MXS105-70	POA	MXS105DS-70	POA
	MXS106-70	POA	MXS106DS-70	POA
	MXS107-70	POA	MXS107DS-70	POA
	MXS108-70	POA	MXS108DS-70	POA

Correction Factors

Temperature Correction Factor CFT							
Maximum Inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	1.00	1.00	1.00	1.04	1.14	1.37

Dewpoint Correction Factor CFD		Option 2	Standard	Option 1
Required Dewpoint	PDP °C	-20	-40	-70
	PDP °F	-4	-40	-100
	CFD	0.91	1.00	1.43

Pressure Correction Factor CFP											
Minimum Inlet Temperature	bar	4	5	6	7	8	9	10	11	12	13
	psi	58	73	87	100	116	131	145	160	174	189
	CFP	1.60	1.33	1.14	1.00	0.89	0.80	0.73	0.67	0.62	0.57

Weights and Dimensions

Model	Pipe Size	Dimensions						Weight	
		Height (H)		Width (W)		Depth (D)			
		mm	ins	mm	ins	mm	ins	kg	lbs
MX ☐ 102	G 2	1647	648.	687	27.0	550	21.7	235	518
MX ☐ 103C	G 2	1647	64.8	856	33.7	550	21.7	316	696
MX ☐ 103	G 2	1892	74.5	856	33.7	550	21.7	355	782
MX ☐ 104	G 2	1892	74.5	1025	40.3	550	21.7	450	992
MX ☐ 105	G2 1/2	1892	74.5	1194	47.0	550	21.7	543	1197
MX ☐ 106	G2 1/2	1892	74.5	1363	53.6	550	21.7	637	1404
MX ☐ 107	G2 1/2	1892	74.5	1532	60.3	550	21.7	731	1611
MX ☐ 108	G2 1/2	1892	74.5	1701	67.0	550	21.7	825	1818

Recommended Filtration

Model	Filter Pipe Size BSPT or NPT	Inlet General Purpose Pre-Filter	Inlet High Efficiency Filter	Outlet Dust Filter
MX ☐ 102	2"	AOP040HGFX	AAP040HGFX	AOP040HGMX
MX ☐ 103C	2"	AOP040HGFX	AAP040HGFX	AOP040HGMX
MX ☐ 103	2"	AOP040HGFX	AAP040HGFX	AOP040HGMX
MX ☐ 104	2"	AOP045HGFX	AAP045HGFX	AOP045HGMX
MX ☐ 105	2 1/2"	AOP050IGFX	AAP050IGFX	AOP050IGMX
MX ☐ 106	2 1/2"	AOP050IGFX	AAP050IGFX	AOP050IGMX
MX ☐ 107	2 1/2"	AOP055IGFX	AAP055IGFX	AOP055IGMX
MX ☐ 108	2 1/2"	AOP055IGFX	AAP055IGFX	AOP055IGMX

PNEUDRI MX Heatless (continued)

Compressed air desiccant dryers

	DS Display as Standard		Fully PNEUMATIC to ATEX	
	MX ADVANCED Item Number	UNIT PRICE GBP	MXP Pneumatic Item Number	UNIT PRICE GBP
-20	MXA102C-20	POA	MXP102C-20-ATEX	POA
	MXA103C-20	POA	MXP103C-20-ATEX	POA
	MXA103-20	POA	MXP103-20-ATEX	POA
	MXA104-20	POA	MXP104-20-ATEX	POA
	MXA105-20	POA	MXP105-20-ATEX	POA
	MXA106-20	POA	MXP106-20-ATEX	POA
	MXA107-20	POA	MXP107-20-ATEX	POA
	MXA108-20	POA	MXP108-20-ATEX	POA
-40	MXA102C-40	POA	MXP102C-40-ATEX	POA
	MXA103C-40	POA	MXP103C-40-ATEX	POA
	MXA103-40	POA	MXP103-40-ATEX	POA
	MXA104-40	POA	MXP104-40-ATEX	POA
	MXA105-40	POA	MXP105-40-ATEX	POA
	MXA106-40	POA	MXP106-40-ATEX	POA
	MXA107-40	POA	MXP107-40-ATEX	POA
	MXA108-40	POA	MXP108-40-ATEX	POA
-70	MXA102C-70	POA	MXP102C-70-ATEX	POA
	MXA103C-70	POA	MXP103C-70-ATEX	POA
	MXA103-70	POA	MXP103-70-ATEX	POA
	MXA104-70	POA	MXP104-70-ATEX	POA
	MXA105-70	POA	MXP105-70-ATEX	POA
	MXA106-70	POA	MXP106-70-ATEX	POA
	MXA107-70	POA	MXP107-70-ATEX	POA
	MXA108-70	POA	MXP108-70-ATEX	POA

Correction Factors

Temperature Correction Factor CFT							
Maximum Inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	1.00	1.00	1.00	1.04	1.14	1.37

Dewpoint Correction Factor CFD		Option 2	Standard	Option 1
Required Dewpoint	PDP °C	-20	-40	-70
	PDP °F	-4	-40	-100
	CFD	0.91	1.00	1.43

Pressure Correction Factor CFP											
Minimum Inlet Temperature	bar g	4	5	6	7	8	9	10	11	12	13
	psi g	58	73	87	100	116	131	145	160	174	189
	CFP	1.60	1.33	1.14	1.00	0.89	0.80	0.73	0.67	0.62	0.57

Weights and Dimensions

Model	Pipe Size	Dimensions						Weight	
		Height (H)		Width (W)		Depth (D)			
		mm	ins	mm	ins	mm	ins	kg	lbs
MX ☐ 102	G 2	1647	648.	687	27.0	550	21.7	235	518
MX ☐ 103C	G 2	1647	64.8	856	33.7	550	21.7	316	696
MX ☐ 103	G 2	1892	74.5	856	33.7	550	21.7	355	782
MX ☐ 104	G 2	1892	74.5	1025	40.3	550	21.7	450	992
MX ☐ 105	G2 1/2	1892	74.5	1194	47.0	550	21.7	543	1197
MX ☐ 106	G2 1/2	1892	74.5	1363	53.6	550	21.7	637	1404
MX ☐ 107	G2 1/2	1892	74.5	1532	60.3	550	21.7	731	1611
MX ☐ 108	G2 1/2	1892	74.5	1701	67.0	550	21.7	825	1818

Recommended Filtration

Model	Filter Pipe Size BSPT or NPT	Inlet General Purpose Pre-Filter	Inlet High Efficiency Filter	Outlet Dust Filter
MX ☐ 102	2"	AO040H ☐ FX	AA040H ☐ FX	AR040H ☐ FX
MX ☐ 103C	2"	AO040H ☐ FX	AA040H ☐ FX	AR040H ☐ FX
MX ☐ 103	2"	AO045H ☐ FX	AA045H ☐ FX	AR045H ☐ FX
MX ☐ 104	2"	AO045H ☐ FX	AA045H ☐ FX	AR045H ☐ FX
MX ☐ 105	2 1/2"	AO050I ☐ FX	AA050I ☐ FX	AR050I ☐ FX
MX ☐ 106	2 1/2"	AO055I ☐ FX	AA055I ☐ FX	AR055I ☐ FX
MX ☐ 107	2 1/2"	AO055I ☐ FX	AA055I ☐ FX	AR055I ☐ FX
MX ☐ 108	2 1/2"	AO055I ☐ FX	AA055I ☐ FX	AR055I ☐ FX

PNEUDRI MXLE *ADVANTAGE* Low Energy Heatless dryers

MXLE *Advantage* delivers 17% more process air and upto 60% savings vs standard MX dryers.

Delivered air quality in accordance with ISO-8573-1.

3rd Party validated performance on both dryer and filtration system.

Materials of construction FDA Title 21 compliant and EC1935 -2004 exempt

Product Selection

Each dryer is supplied complete with a set of high performance, low energy EVOLUTION Pre and After Filters.

Model	Pipe Size	Inlet Flowrates				UNIT PRICE GBP	Vac. Pump 50hZ KIT (Order Separately)		NETT PRICE GBP
		L/S	m^3/min	m^3/hr	cfm				
MXLE102C	G 2	113	6.81	408	240	POA	MXLEP2C-E	1 kit per bank nett price	POA
MXLE103C	G 2	170	10.22	612	360	POA	MXLEP3C-E		POA
MXLE103	G 2	213	12.78	765	450	POA	MXLEP3-E		POA
MXLE104	G 2	283	17.03	1020	600	POA	MXLEP4-E		POA
MXLE105	G 2 1/2	354	21	1275	750	POA	MXLEP5-E		POA
MXLE106	G 2 1/2	425	26	1530	900	POA	MXLEP6-E		POA
MXLE107	G 2 1/2	496	30	1785	1050	POA	MXLEP7-E		POA
MXLE108	G 2 1/2	567	34	2040	1200	POA	MXLEP8-E		POA

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure.

For flows at other pressures, apply the correction factors shown.

Dryer Coding example

DRYER MODEL	Purge Type	NUMBER OF DRYING BANKS	NUMBER OF DRYING COLUMNS
MXLE - Low Energy	LE- Low Energy	No of individual dryers in installation	Number of columns per dryer bank
MXLE	MXLE	1	08

Technical data

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp.		Max Operating Temperature		Max Ambient Temperature	
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F
MXLE	4	58	11	160	5	41	50	122	55	131

Dewpoint Correction Factor CFD		Option	Standard
Required Dewpoint	PDP °C	-20	-40
	PDP °F	-4	-40
	CFD	0.91	1.00

Dryer Models	Electrical Supply (standard)
MXLE	400V 3ph 50Hz

Thread Connection	Noise Level (average) dB(A)
BSPP	<75

Pressure Correction Factor CFP									
Minimum Inlet Temperature	bar g	4	5	6	7	8	9	10	11
	psi g	58	73	87	100	116	131	145	160
	CFP	1.60	1.33	1.14	1.00	0.89	0.80	0.73	0.67

Filters included with MXLE Dryer Pre Filter AO and AA Post AO Dust Filter				
MXLE102C / 103C	AO040HGFX	AA040HGFX	AO040HGMX	FXKE4
MXLE103 - 104	AO045HGFX	AA045HGFX	AO045HGMX	FXKE4
MXLE105	AO050IGFX	AA050IGFX	AO050IGMX	FXKE5
MXLE106 - 108	AO055IGGFX	AA055IGGFX	AO055IGGMX	FXKE5

Respiratory protection
Technical Data
Non CO, CO2 reduction

		BAF010, BAF015 BAS-2010, BAS3015, BAP015	BA-DME012 - 40	BA-DME050 - 080	BAM102 - 110
Operation Pressure	Maximum	10 bar g (145 psi g)	16 bar g (232 psi g)	13 bar g (189 psi g)	10.5 bar g (152 psi g)
	Minimum	4 bar g (58 psi g)	4 bar g (58 psi g)	4 bar g (58 psi g)	4 bar g (58 psi g)
Recommended Operating Temperature	Maximum	30ºC (86ºF)			
	Minimum	1.5ºC (35ºF)			

For flow rates at other pressures, apply the factor shown

Line 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	0.76	0.85	0.93	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51

BAF010 - BAF015
Complete with 4 Replacement AC Elements as standard.

Product Code	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)		UNIT PRICE	PM Kit	UNIT PRICE
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth						
			L/s	cfm	L/s	cfm	mm	ins	mm	ins	mm	ins	kg	lbs	GBP		GBP
BAF-010	G 1/4	G 3/8	6	13	6	13	276	10.9	200	7.9	110	4.3	1.2	2.6	467.04	BAF-PMK10-12	206.44
BAF-015	G 3/8	G 3/8	13	27	13	27	322	12.7	179	7	117	4.6	1.4	3.1	515.79	BAF-PMK15-12	248.37

Notes

PM Kit includes, Coalescer, set of AC Cartridges and recommended seals etc.

BAS2010 & BAS3015
Complete with 4 Replacement AC Elements as standard.

Product Code	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)		UNIT PRICE	PM Kit	UNIT PRICE
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth						
			L/s	cfm	L/s	cfm	mm	ins	mm	ins	mm	ins	kg	lbs	GBP		GBP
BAS-2010	G 1/2	4x G 1/4	10	21	10	21	410	16.1	460	18.1	246	9.7	8	18	883.81	BAS-PMK10-12	277.40
BAS-3015	G 3/8	4x G 1/4	23	49	23	49	470	18.5	600	23.6	300	11.8	10	22	1,285.15	BAS-PMK15-12	410.73
BAP-015	G 1/2 Hose Safety	G3/8	20	42	20	42	380	15	380	15	272	10.7	5.45	12	662.10	BAP-PMK15-12	410.73

PM Kit includes, Coalescer, set of AC Cartridges and recommended seals etc.

Respiratory protection
Incorporating CO & CO2 reduction

BAC-4015 Breathing Air Cabinet 4 Stage Filtration

Product Code	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)		UNIT PRICE
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth				
			L/s	cfm	L/s	cfm	mm	ins	mm	ins	mm	ins	kg	lbs	GBP
BAC-4015	G 1/2	3x G1/4	11	24	9	19	610	24.0	450	17.7	270	10.6	37	82	4,615

Breathing air purifiers
BA-DME

Hospital / Medical quality air complies with the European Pharmacopoeia

Product Code	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)		UNIT PRICE	Product Code with DDS	UNIT PRICE
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth						
			L/s	cfm	L/s	cfm	mm	ins	mm	ins	mm	ins	kg	lbs	GBP		GBP
BA-DME012-E	G 1/2	G 3/8	11	24	9	19	952	37.5	476	18.7	302	11.9	38	84	4,083	BA-DME012DS-E	6,460
BA-DME015-E	G 1/2	G 3/4	15	32	12	25	1211	47.7	490	19.3	302	11.9	43	95	4,449	BA-DME015DS-E	6,826
BA-DME020-E	G 1/2	G 3/4	19	42	15	33	1376	54.2	490	19.3	302	11.9	48	106	4,525	BA-DME020DS-E	6,903
BA-DME025-E	G 1/2	G 3/4	25	53	20	42	1541	60.7	490	19.3	302	11.9	53	117	5,145	BA-DME025DS-E	7,523
BA-DME030-E	G 1/2	G 3/4	31	65	24	52	1707	67.2	521	20.5	302	11.9	58	128	6,272	BA-DME030DS-E	8,648
BA-DME040-E	G 3/4	G 3/4	40	88	33	70	1960	77.2	732	28.8	447	17.6	74	164	8,867	BA-DME040DS-E	11,242
BA-DME050-E	G 1	G 1	50	106	40	84	1750	68.9	400	15.8	1200	47.2	211	466	13,039	BA-DME050DS-E	15,412
BA-DME060-E	G 1	G 1	61	130	49	104	1916	75.4	400	15.8	1200	47.2	224	494	15,993	BA-DME060DS-E	18,368
BA-DME080-E	G 1	G 1	80	176	66	140	2076	81.7	745	29.3	1200	47.2	279	615	20,315	BA-DME080DS-E	22,691

NOTES
1. Available with Dewpoint Switching Option, details on request.

BAM Breathing Air System

Hospital / Medical quality air complies with the GBPpean Pharmacopoeia

Product Code	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)		UNIT PRICE
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth				
			L/s	cfm	L/s	cfm	mm	ins	mm	ins	mm	ins	kg	lbs	GBP
BAM10	G1 1/2	G2	113	240	90	192	1780	70.1	912	35.9	1352	53.2	444	979	POA
BAM20	G1 1/2	G2	170	360	136	288	1780	70.1	912	35.9	1352	53.2	489	1078	POA
BAM30	G2	G2	213	450	170	360	1780	70.1	912	35.9	1462	57.6	561	1237	POA
BAM40	G2	G2	283	600	226	480	1780	70.1	912	35.9	1562	61.5	598	1319	POA
BAM50	G2	G2 1/2	354	750	283	600	1780	70.1	912	35.9	1800	70.9	689	1519	POA
BAM70	G2	G2 1/2	496	1050	397	840	1780	70.1	912	35.9	1900	74.8	746	1645	POA

WF series

Water-cooled aftercoolers - fixed tube

(72 m^3/h to 5,400 m^3/h)

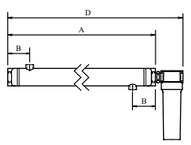
Product Selection

aftercooler model	technical data					dimensions (mm)				weight	Price	Matching Separator
	air flow		max press.	cooler connections								
	m^3/h	m^3/min	barg	air*	water	A	B	C	D	(kg)	GBP	Model
Standard version												
WFN002	72	1.2	16	3/4"	3/8"	720	78	-	827	2.5	POA	**STH003N**
WFN004	210	3.5	16	1½"	1/2"	980	85	-	1110	5.5	POA	**STH013N**
WFN007	390	6.5	16	1½"	3/4"	1000	95	-	1,130	9	POA	**STH013N**
WFN009	540	9	16	2"	3/4"	1020	105	-	1191	10.5	POA	**STH021N**
WFN013	810	13	16	2"	3/4"	1050	120	-	1,221	15	POA	**STH021N**
WFN018	1080	18	12	DN80	1"	900	95	52	1,179	13	POA	**STH021N**
WFN027	1,620	27	12	DN100	1¼"	900	115	54	1,221	18	POA	**STH040N**
WFN036	2,160	36	12	DN100	1¼"	900	115	54	1,221	24	POA	**STH040N**
WFN050	3,000	50	12	DN125	1¼"	1,300	100	58	1,963	71	POA	**SFH066N**
WFN060	3,600	60	12	DN150	1¼"	1,300	100	58	1,963	89	POA	**SFH067N**
WFN090	5,400	90	12	DN200	1¼"	1,300	100	65	1,990	121	POA	**SFH089N**
40 barg version												
WFP001	60	1	40	3/4"	1/2"	622	111	-	788	7	POA	**STH001P**
WFP003	180	3	40	1½"	1/2"	1,106	203	-	1,266	14	POA	**STH003P**
WFP007	420	7	40	1½"	1/2"	1,303	203	-	1,463	16	POA	**STH003P**
WFP011	660	11	40	2"	3/4"	1,564	232	-	1,762	32	POA	**STH013P**
WFP016	960	16	40	DN80	3/4"	1,300	100	60	1,810	35	POA	**SFH029P**
WFP022	1320	22	40	DN100	1"	1,300	100	67	1,819	50	POA	**SFH037P**
WFP028	1,680	28	40	DN100	1"	1,300	100	67	1,819	54	POA	**SFH037P**
WFP038	2280	38	40	DN125	1¼"	1,300	100	70	1,975	69	POA	**SFH066P**
WFP050	3,000	50	40	DN125	1¼"	1,300	100	70	1,975	71	POA	**SFH066P**
WFP060	3600	60	40	DN150	1¼"	1,300	100	77	2,002	89	POA	**SFH088P**
WFP090	5,400	90	40	DN200	1¼"	1,300	100	90	2,112	121	POA	**SFH097P**
SBO version (stainless steel tubes and bundles)												
WFS001	60	1	16	3/4"	1/2"	622	111	-	729	7	POA	**STH001N**
WFS003	180	3	16	1½"	1/2"	972	136	-	1,104	14	POA	**STH003N**
WFS007	420	7	16	1½"	1/2"	1,172	136	-	1,302	16	POA	**STH013N**
WFS011	660	11	16	2"	3/4"	1,440	170	-	1,611	32	POA	**STH021N**
WFS016	960	16	16	DN80	3/4"	1,300	100	52	1,579	43	POA	**STH021N**
WFS022	1,320	22	12	DN100	1"	1,300	100	54	1,621	51	POA	**STH040N**
WFS028	1,680	28	12	DN100	1"	1,300	100	54	1,621	54	POA	**STH040N**
WFS038	2,280	38	12	DN125	1¼"	1,300	100	58	1,629	69	POA	**STH040N**
WFS050	3,000	50	12	DN125	1¼"	1,300	100	58	1,963	71	POA	**SFH066N**
WFS060	3,600	60	12	DN150	1¼"	1,300	100	58	1,963	89	POA	**SFH067N**
WFS090	5,400	90	12	DN200	1¼"	1,300	100	65	1,990	121	POA	**SFH089N**

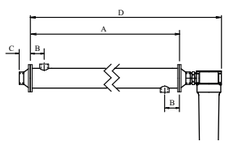
Performances refer to clean Cooler conditions with air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, 120°C compressed air inlet temperature, temperature approach between air outlet and water inlet of ca. 10°C.

Maximum air inlet temperature: 200°C (for higher temperatures and other gases contact Parker).
* Air connections refer to Aftercooler with counterflanges: for model without counterflanges connections may differ.
For vertical Installation of Aftercooler + Separator combination:
'- Models with STH separator: counterflanges/connections kit allows both horizontal and vertical installation.
'- Models with SFH separator: replace SFH by SFV (see separator prices);
matching counterflanges/connections available on request.
Attention: for vertical separator, connection kits: codes and prices on request

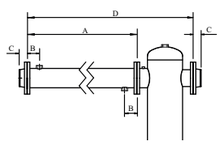
WFN002-013
WFS/C001-011



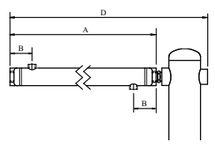
WFN018-036 (with separator STH)
WFS/C016-038 (with separator STH)



WFN/P/S016-090 (with separator SFH)



WFP001-011



WR series

Water-cooled aftercoolers - removable tube

(180 m^3/h to 33,000 m^3/h)

Product Selection

aftercooler model	technical data					dimensions (mm)				weight	Price	Matching Separator
	air flow		max press.	cooler connections								
	m^3/h	m^3/min	barg	air*	water	A	B	C	D	(kg)	GBP	Model
Standard version												
WRN003	180	3	16	DN 50	1/2"	850	72	77	1,057	18	**1,421.69**	**STH013N**
WRN007	420	7	16	DN 50	1/2"	1,050	72	77	1,257	20	**1,562.55**	**STH013N**
WRN011	660	11	16	DN 65	3/4"	1,300	122	82	1,553	27	**1,670.91**	**STH021N**
WRN016	960	16	16	DN 80	3/4"	1,300	122	92	1,563	37	**2,204.04**	**STH021N**
WRN022	1,320	22	12	DN 100	1"	1,300	122	55	1,568	50	**2,830.36**	**STH040N**
WRN028	1,680	28	12	DN 100	1"	1,300	122	55	1,568	54	**3,098.02**	**STH040N**
WRN038	2,280	38	12	DN 125	1¼"	1,300	123	58	1,571	69	**3,738.47**	**STH040N**
WRN050	3,000	50	12	DN 125	1¼"	1,300	123	58	1,853	71	**3,907.46**	**SFH066N**
WRN060	3,600	60	12	DN 150	1¼"	1,300	115	58	1,853	92	**5,063.66**	**SFH067N**
WRN090	5,400	90	12	DN 200	1¼"	1,300	117	65	1,873	161	**7,128.57**	**SFH089N**
WRN130	7,800	130	10	DN 250	1½"	1,300	116	71	1,983	194	**9,481.11**	**SFH142N**
WRN170	10,200	170	10	DN 300	2"	1,300	116	71	2,053	244	**12,568.01**	**SFH180N**
WRN200	12,000	200	10	DN 350	2"	1,300	143	71	2,133	321	**15,362.46**	**SFH209N**
WRN250	15,000	250	10	DN 350	DN 65	1,500	196.5	71	2,503	351	**18,782.67**	**SFH280N**
WRN350	21,000	350	10	DN 450	DN 80	1,500	148.5	75	2,703	400	**28,658.38**	**SFH390N**
WRN450	27,000	450	10	DN 500	DN 100	1,500	199.5	78	3,436	609	**34,876.27**	**SFH450N**
WRN550	33,000	550	10	DN 600	DN 100	1,515	200	83	3,606	931	**43,264.97**	**SFH550N**
SBO version (stainless steel tubes and bundles)												
WRS003	180	3	16	DN 50	1/2"	850	72	77	1,057	18	**1,824.78**	**STH013N**
WRS007	420	7	16	DN 50	1/2"	1,050	72	77	1,257	20	**2,185.62**	**STH013N**
WRS011	660	11	16	DN 65	3/4"	1,300	122	82	1,553	27	**2,456.83**	**STH021N**
WRS016	960	16	16	DN 80	1"	1,300	122	92	1,563	37	**2,709.50**	**STH021N**
WRS022	1,320	22	12	DN 100	1"	1,300	122	55	1,568	50	**3,921.26**	**STH040N**
WRS028	1680	28	12	DN 100	1¼"	1,300	122	55	1,568	54	**4,063.18**	**STH040N**
WRS038	2,280	38	12	DN 125	1¼"	1,300	123	58	1,571	69	**4,988.93**	**STH040N**
WRS050	3000	50	12	DN 125	1¼"	1,300	123	58	1,853	71	**5,460.26**	**SFH066N**
WRS060	3,600	60	12	DN 150	1¼"	1,300	115	58	1,853	92	**7,698.43**	**SFH067N**
WRS090	5,400	90	12	DN 200	1¼"	1,300	117	65	1,873	161	**11,548.72**	**SFH089N**
WRS130	7,800	130	10	DN 250	1½"	1,300	116	71	1,983	194	**13,688.37**	**SFH142N**
WRS170	10,200	170	10	DN 300	2"	1,300	116	71	2,053	244	**18,105.29**	**SFH180N**
WRS200	12,000	200	10	DN 350	2"	1,300	143	71	2,133	321	**21,668.51**	**SFH209N**
CNC version (all parts in contact with water in cupro-nickel)												
WRC003	180	3	16	DN 50	1/2"	850	72	77	1,057	18	POA	**STH013N**
WRC007	420	7	16	DN 50	1/2"	1,050	72	77	1,257	20	POA	**STH013N**
WRC011	660	11	16	DN 65	1/2"	1,300	122	82	1,553	27	POA	**STH021N**
WRC016	960	16	16	DN 80	3/4"	1,300	122	92	1,563	37	POA	**STH021N**
WRC022	1,320	22	12	DN 100	1"	1,300	122	55	1,568	50	POA	**STH040N**
WRC028	1680	28	12	DN 100	1"	1,300	122	55	1,568	54	POA	**STH040N**
WRC038	2,280	38	12	DN 125	1¼"	1,300	123	58	1,571	69	POA	**STH040N**
WRC050	3000	50	12	DN 125	1¼"	1,300	123	58	1,853	71	POA	**SFH066N**
WRC060	3,600	60	12	DN 150	1¼"	1,300	115	58	1,853	92	POA	**SFH067N**
WRC090	5,400	90	12	DN 200	1¼"	1,300	117	65	1,873	161	POA	**SFH089N**
WRC130	7,800	130	10	DN 250	1½"	1,300	116	71	1,983	194	POA	**SFH142N**
WRC170	10,200	170	10	DN 300	2"	1,300	116	71	2,053	244	POA	**SFH180N**
WRC200	12,000	200	10	DN 350	2"	1,300	143	71	2,133	321	POA	**SFH209N**

Performances refer to clean Cooler conditions with air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, 120°C compressed air inlet temperature, temperature approach between air outlet and water inlet of ca. 10°C.
Maximum air inlet temperature: 200°C (for higher temperatures and other gases contact Parker).
For vertical installation of Aftercooler + Separator combination:
Models with STH separator: counterflanges/connections kit allows both horizontal and vertical installation.
Models with SFH separator: replace SFH by SFV (see separator prices); matching counterflanges/connections available on request.

AD series

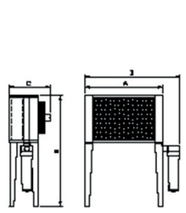
Air-cooled aftercoolers

Product Selection

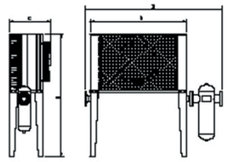
aftercooler model	technical data				dimensions (mm)				weight	Price	Matching Separator
	air flow m^3/h	air flow m^3/min	max press. barg	connections air*	A	B	C	D	(kg)	GBP	Model
Standard version											
ADS004	210	3.5	16	1½ "	550	1,140	303	715	22	**925.40**	**STH013N**
ADT006	360	6	16	1½ "	690	1,315	455	855	54	**1,628.65**	**STH013N**
ADT009	540	9	16	2"	936	1,315	480	1,173	64	**2,194.29**	**STH021N**
ADT028	1,680	28	16	DN 80	1,480	1,906	628	2,054	154	**7,600.59**	**STH040N**
ADT038	2,160	36	16	DN 100	1,580	1,975	590	2,263	184	**9,177.01**	**STH040N**
ADT064	3,840	64	16	DN 150	2,870	2,239	677	3,650	375	**14,736.69**	**SFH067N**

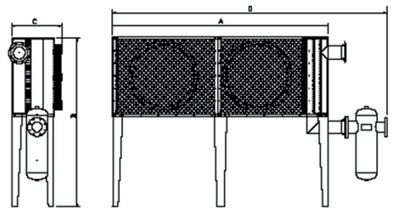
Performances refer to clean Cooler conditions with air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, 120°C compressed air inlet temperature, temperature approach between compressed air outlet and cooling air inlet of ca. 10°C. Maximum air inlet temperature: 200°C (for higher temperatures contact Parker Hiross). Standard models are not designed for operation with oil-free air compressors. Models 000-004 supplied without legs and bottom plate (please use the code listed below to order them with the matching aftercooler).

Column thermometer available on request (see Separator prices). See condensate drain prices for matching drain.
Power supply: ADS=230-240/1/50-60;ADT006-075=400/3/50. Other power supply available on request.



004 - 009





028 - 064

ST series

Water Separators

(55 m^3/h to 33,000 m^3/h)

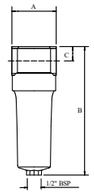
Product Selection

separator model	technical data					dimensions (mm)				Price
	air flow m^3/h	air flow m^3/min	max pressure barg	air connections in	air connections out	width A	height B	depth C	weight (kg)	GBP
Threaded models (aluminium)										
STH001N	54	0.9	16	3/8"	3/8"	89	267	24	1.1	**106.54**
STH002N	126	2.1	16	1/2"	1/2"	89	267	24	1.1	**116.63**
STH003N	180	3	16	3/4"	3/4"	89	267	24	1.1	**121.19**
STH006N	330	5.5	16	1"	1"	109	367	34	2.2	**153.99**
STH009N	540	9	16	1¼"	1¼"	109	367	34	2.2	**164.36**
STH013N	750	12.5	16	1½"	1½"	109	367	34	2.2	**176.77**
STH021N	1,260	21	16	2"	2"	150	550	41	4.3	**384.52**
STH040N	2400	40	16	2½"	2½"	188	733	56	12.5	**795.46**
STH046N	2,760	46	16	3"	3"	188	733	56	12.5	**850.13**
Horizontal flanged models (carbon steel)										
SFH066N	3,936	65.6	16	DN 125	DN 125	550	980	260	55	**2,096.64**
SFH067N	4,020	67	16	DN 150	DN 125	550	980	260	56	**2,128.63**
SFH088N	5,304	88.4	16	DN 150	DN 150	570	1,060	290	82	**2,896.32**
SFH089N	5,340	89	16	DN 200	DN 150	570	1,060	290	85	**2,954.98**
SFH097N	5,826	97.1	16	DN 200	DN 200	660	1,160	320	126	**2,978.98**
SFH142N	8,514	141.9	10	DN 250	DN 200	680	1,255	351	148	**6,063.03**
SFH180N	10,770	179.5	10	DN 300	DN 200	750	1,455	390	160	**6,740.36**
SFH209N	12,546	209.1	9	DN 350	DN 200	830	1,655	430	205	**8,117.82**
SFH280N	16,800	280	10	DN 350	DN 200	1,000	1,745	460	255	**7,708.63**
SFH390N	23,400	390	10	DN 450	DN 250	1,200	2,154	546	420	**12,349.31**
SFH450N	27,000	450	10	DN 500	DN 300	1,933	2,355	600	680	**17,302.52**
SFH550N	33,000	550	10	DN 600	DN 300	2,088	2,835	650	840	**21,365.50**
Vertical flanged models (carbon steel)										
SFV029N	1,764	29.4	16	DN 80	DN 80	200	904	134	29	**2,065.67**
SFV037N	2,196	36.6	12	DN 100	DN 100	230	1,051	151	50	**2,260.86**
SFV066N	3,936	65.6	12	DN 125	DN 125	275	1,131	171	57	**2,360.96**
SFV088N	5,304	88.4	12	DN 150	DN 150	285	1,195	185	84	**3,809.45**
SFV097N	5,826	97.1	12	DN 200	DN 200	330	1,295	215	90	**3,834.84**
SFV142N	8,514	141.9	10	DN 250	DN 200	340	1,392	242	120	**5,173.71**
SFV180N	10,770	179.5	10	DN 300	DN 200	375	1,575	265	145	**5,872.59**
SFV209N	12,546	209.1	9	DN 350	DN 200	415	1,763	293	185	**6,876.72**
Threaded models (stainless steel)										
STH001A	54	0.9	16	3/8"	3/8"	142	577	129	1.1	
STH003A	180	3	16	1 1/2"	1 1/2"	142	577	128	1.1	**2,178.22**
STH013A	750	12.5	16	2"	2"	178	596	142	2.2	**2,590.50**
Horizontal flanged models (stainless steel)										
SFH019A	1,140	19	16	DN 65	DN65	370	627	152	22	**3,677.58**
SFH029A	1,764	29.4	16	DN 80	DN 80	400	705	181	28	**3,681.48**
SFH037A	2,196	36.6	16	DN 100	DN 100	460	865	211	48	**4,536.79**
SFH066A	3,936	65.6	16	DN 125	DN 125	550	956	241	55	**6,363.85**
SFH088A	5,304	88.4	16	DN 150	DN 150	570	1,035	270	82	**7,178.39**
SFH097A	5,826	97.1	16	DN 200	DN 200	660	1,135	300	126	**8,051.70**
High Pressure models										
STH001P	54	0.9	40	3/4"	3/4"	148	280	96	4.5	**POA**
STH003P	180	3	40	1 1/2"	1 1/2"	142	575	130	8	**POA**
STH013P	750	12.5	40	2"	2"	177	592	142	9	**POA**
SFH019P	1,140	19	40	DN65	DN65	370	627	157	24.5	**POA**
SFH029P	1,764	29.4	40	DN80	DN80	400	706	186	30	**POA**
SFH037P	2,196	36.6	40	DN100	DN100	460	861	211	53	**POA**
SFH066P	3,936	65.6	40	DN125	DN125	550	950	240	62	**POA**
SFH088P	5,304	88.4	40	DN150	DN150	570	1,030	270	98	**POA**
SFH097P	5,826	97.1	40	DN200	DN200	660	1,135	305	151	**POA**

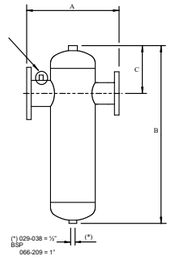
Performances refer to air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, 35°C compressed air inlet

Column thermometer available for SFH/SFV (part nr 398H660003)

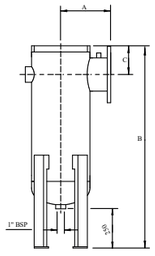
Separators supplied without condensate drain (see condensate drain prices for matching drain).



STH



SFH



SFV

HFN - NFF series

Compressed air filters

(31.8 m³/h to 27,000 m³/h)

Product Selection

Filter model	technical data			dimensions (mm)			weight
	air flow		air				
	m³/h	m³/min	connec.	A	B	C	(kg)
HFN005	31.8	0.53	¼"	69	168	21	0.6
HFN010	60	1	3/8"	89	267	24	1.2
HFN018	108	1.8	½"	89	267	24	1.2
HFN022	132	2.2	¾"	89	267	24	1.2
HFN030	180	3	¾"	109	367	34	2.4
HFN045	270	4.5	1"	109	367	34	2.4
HFN062	372	6.2	1¼"	109	514	34	3
HFN072	432	7.2	1½"	109	514	34	3
HFN122	732	12.2	1½"	150	550	41	5.2
HFN135	810	13.5	2"	150	550	41	5.2
HFN175	1,050	17.5	2"	150	928	41	6.5
HFN205	1,230	20.5	2"	150	928	41	6.6
HFN300	1,800	30	2½"	188	733	56	13.5
HFN370	2,220	37	3"	188	933	56	16

Complete filter pricing (grades Q, P, S - with auto drain)		Complete filter pricing (grades D, C - with manual drain)		Qty elements per filter	Element prices		FLOAT Drain
					Insert grade (Q, P, S, C)		
Part no.	GBP	Part no.	GBP		Part no.	GBP	
HFN005**WD	**130.03**	HFN005**WD	**118.11**	1	**005-ELZ	**33.59**	HDI2
HFN010**WD	**153.87**	HFN010**WD	**145.20**	1	**010-ELZ	**39.01**	HDI2
HFN018**WD	**180.96**	HFN018**WD	**171.21**	1	**022-ELZ	**49.46**	HDI2
HFN022**WD	**219.97**	HFN022**WD	**210.21**	1	**022-ELZ	**49.46**	HDI2
HFN030**WD	**249.23**	HFN030**WD	**240.56**	1	**030-ELZ	**61.76**	HDI2
HFN045**WD	**268.73**	HFN045**WD	**258.98**	1	**045-ELZ	**68.82**	HDI2
HFN062**WD	**294.74**	HFN062**WD	**284.99**	1	**072-ELZ	**81.72**	HDI2
HFN072**WD	**344.58**	HFN072**WD	**335.92**	1	**072-ELZ	**81.72**	HDI2
HFN122**WD	**533.13**	HFN122**WD	**490.87**	1	**135-ELZ	**115.05**	HDF120
HFN135**WD	**586.23**	HFN135**WD	**540.72**	1	**135-ELZ	**115.05**	HDF120
HFN175**WD	**676.17**	HFN175**WD	**630.65**	1	**175-ELZ	**152.68**	HDF120
HFN205**WD	**819.20**	HFN205**WD	**773.69**	1	**205-ELZ	**226.86**	HDF120
HFN300**WD	**1,144.29**	HFN300**WD	**1,097.69**	1	**300-ELZ	**323.64**	HDF120
HFN370**WD	**1,318.74**	HFN370**WD	**1,273.23**	1	**370-ELZ	**453.73**	HDF120

*The "D" element (dust filter element) is the same as "Q" element but installed backwards.

**: Insert grade, e.g. HFN005PWD or P005-ELZ.

HFN

Filter grades

Q	**Pre-filter**	particle removal down to 3 micron
D	**Dry dust filter**	particle removal down to 3 micron
P	**Fine filter**	particle removal down to 1 micron and max remaining oil of 0,1 mg/m³
S	**Sub microfilter**	particle removal down to 0,01 micron and max remaining oil of 0,01 mg/m³
C	**Activated carbon filter**	max remaining oil of 0,003 mg/m³

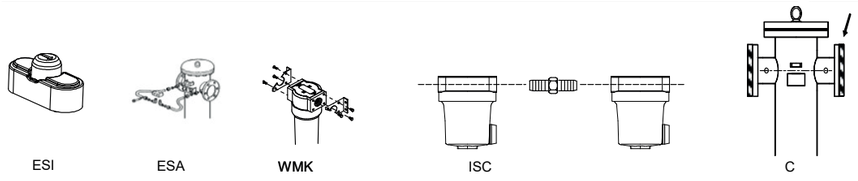
HFN - NFF series

Compressed air filters - accessories

(31.8 m³/h to 27,000 m³/h)

Product Selection

Accessory	used on filter model	prices	
		Part no.	GBP
ESG2 - Supervision gauge	all models	ESG2	**134.40**
ESI - element supervision indicator	HFN005-370	ESIXHFN005-370	**POA**
ESA – adapter (to install ESG1 onto HFS filters)	HFS380-4500	ESAXHFS380-4500	**61.76**
WMK - wall mounting kit	HFN005	WMKXHFN005	**32.51**
WMK - wall mounting kit	HFN010-022	WMKXHFN010-022	**34.68**
WMK - wall mounting kit	HFN030-072	WMKXHFN030-072	**40.09**
WMK - wall mounting kit	HFN122-205	WMKXHFN122-205	**45.51**
WMK - wall mounting kit	HFN300-370	WMKXHFN300/370	**127.86**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN005	ISCHFN005	**8.60**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN010	ISCHFN010	**9.68**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN018	ISCHFN018	**20.43**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN022-030	ISCHFN022-030	**50.54**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN045	ISCHFN045	**62.36**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN062	ISCHFN062	**87.09**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN072-122	ISCHFN072-122	**111.82**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN135-205	ISCHFN135-205	**133.33**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN300	ISCHFN300	**223.64**
ISC - in series connector (3-piece nipple: 1 nipple interconnects 2 Filters)	HFN370	ISCHFN370	**277.40**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS380 / NFF380	CFKHFS380	**123.65**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS610-750 / NFF610-750	CFKHFS610-750	**135.47**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS1000-1510 / NFF1000-1510	CFKHFS1000-1510	**230.09**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS2000-2500 / NFF2000-2500	CFKHFS2000-2500	**261.27**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS3000 / NFF3000	CFKHFS3000	**505.35**
CFK – counterflanges kit (2 counterflanges, 2 gaskets, set of nuts and bolts)	HFS4500 / NFF4500	CFKHFS4500	**561.25**



Genuine Parker Hiross replacement elements

Compressed air filter elements

Product Selection

Elements for 1999 Hiross filter range

2000 element	1999 range housing reference	1999 range element	Filter grade Q	P	S	C	GBP	Qty required	TOTAL GBP
010	002	006	Q010-ELZ	P010-ELZ	S010-ELZ	C010-ELZ	**39.01**	1	**39.01**
010	006	006	Q010-ELZ	P010-ELZ	S010-ELZ	C010-ELZ	**39.01**	1	**39.01**
016	009	009	Q016-ELZ	P016-ELZ	S016-ELZ	C016-ELZ	**46.59**	1	**46.59**
022	014	020	Q022-ELZ	P022-ELZ	S022-ELZ	C022-ELZ	**49.46**	1	**49.46**
022	020	020	Q022-ELZ	P022-ELZ	S022-ELZ	C022-ELZ	**49.46**	1	**49.46**
030	024	024	Q030-ELZ	P030-ELZ	S030-ELZ	C030-ELZ	**61.76**	1	**61.76**
045	035	035	Q045-ELZ	P045-ELZ	S045-ELZ	C045-ELZ	**68.82**	1	**68.82**
072	060	060	Q072-ELZ	P072-ELZ	S072-ELZ	C072-ELZ	**81.72**	1	**81.72**
135	080	110	Q135-ELZ	P135-ELZ	S135-ELZ	C135-ELZ	**115.05**	1	**115.05**
135	110	110	Q135-ELZ	P135-ELZ	S135-ELZ	C135-ELZ	**115.05**	1	**115.05**
205	151	151	Q205-ELZ	P205-ELZ	S205-ELZ	C205-ELZ	**226.86**	1	**226.86**
250	180	180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	1	**262.35**
3 x 205	360	3 x 151	Q205-ELZ	P205-ELZ	S205-ELZ	C205-ELZ	**226.86**	3	**680.58**
3 x 250	450	3 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	3	**787.05**
4 x 250	600	4 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	4	**1,049.40**
6 x 250	900	6 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	6	**1,574.10**
8 x 250	1200	8 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	8	**2,098.80**
10 x 250	1500	10 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	10	**2,623.50**
12 x 250	1800	12 x 180	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	12	**3,148.20**

Elements for 1998 Hiross filter range

2000 element	1998 range filter	1998 range element	Filter grade Q	P	S	C	GBP	Qty required	TOTAL GBP
010	004	004	Q010-ELZ	P010-ELZ	S010-ELZ	C010-ELZ	**39.01**	1	**39.01**
016	007	007	Q016-ELZ	P016-ELZ	S016-ELZ	C016-ELZ	**46.59**	1	**46.59**
022	015	015	Q022-ELZ	P022-ELZ	S022-ELZ	C022-ELZ	**49.46**	1	**49.46**
030	024	024	Q030-ELZ	P030-ELZ	S030-ELZ	C030-ELZ	**61.76**	1	**61.76**
045	035	035	Q045-ELZ	P045-ELZ	S045-ELZ	C045-ELZ	**68.82**	1	**68.82**
072	060	060	Q072-ELZ	P072-ELZ	S072-ELZ	C072-ELZ	**81.72**	1	**81.72**
135	090	090	Q135-ELZ	P135-ELZ	S135-ELZ	C135-ELZ	**115.05**	1	**115.05**
205	120	120	Q205-ELZ	P205-ELZ	S205-ELZ	C205-ELZ	**226.86**	1	**226.86**
250	150	150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	1	**262.35**
3 x 205	360	3 x 120	Q205-ELZ	P205-ELZ	S205-ELZ	C205-ELZ	**226.86**	3	**680.58**
3 x 250	450	3 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	3	**787.05**
4 x 250	600	4 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	4	**1,049.40**
6 x 250	900	6 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	6	**1,574.10**
8 x 250	1200	8 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	8	**2,098.80**
10 x 250	1500	10 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	10	**2,623.50**
12 x 250	1800	12 x 150	Q250-ELZ	P250-ELZ	S250-ELZ	C250-ELZ	**262.35**	12	**3,148.20**

N.B.: Hyperfilter 2000 Elements can be used on previous Hyperfilter ranges. However, previous Hyperfilter range Elements cannot be used on Hyperfilter 2000

SPE - STARLETTE-PLUS E

Compressed air refrigeration dryers

(24 m^3/h to 600 m^3/h)

Product Selection

Starlette Plus E - Dual Frequency models

dryer model	technical data: air flow 50HZ m^3/h	air flow 50HZ m^3/min	air flow 60HZ m^3/h	air flow 60HZ m^3/min	abs. power Kw 50Hz	abs. power Kw 60Hz	air connec.	dimensions (mm): width A	height B	depth C	weight (kg)
SPE 004	24	0.4	28	0.47	0.13	0.16	1/2"	300	520	400	24
SPE 007	42	0.7	47	0.78	0.14	0.17	1/2"	300	520	400	24
SPE 009	54	0.9	60	1	0.15	0.19	1/2"	300	520	400	25
SPE 014	84	1.4	96	1.6	0.15	0.18	3/4"	330	580	550	35
SPE 018	108	1.8	124	2.07	0.16	0.2	3/4"	330	580	550	36
SPE 026	156	2.6	176	2.93	0.29	0.36	1"	400	650	630	46
SPE 032	192	3.2	218	3.63	0.3	0.37	1"	400	650	630	46
SPE 040	240	4	272	4.53	0.31	0.38	1"	400	650	630	47
SPE 052	312	5.2	361	6.02	0.46	0.56	1 ½"	400	650	630	53
SPE 062	372	6.2	429	7.15	0.57	0.69	1 ½"	400	650	630	55
SPE 080	480	8	555	9.25	0.73	0.9	1 1/2"	450	840	780	100
SPE 100	600	10	689	11.48	0.74	0.91	1 1/2"	450	840	780	100

Performances refer to air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60% RH, 7 barg working pressure, 3°C pressure dew point, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data is according to DIN ISO 7183. All models supplied with refrigerant R134a. Max operating pressure up to 16 barg for SPE004-062 and 14barg for SPE080-100. Starlette Plus-E can operate up to ambient temperatures of 50°C and inlet temperatures of 65°C.

dryer prices: timed drain	GBP	electronic drain	GBP	energy saving	GBP
SPE004-A2301DF16TIS	**696.73**	SPE004-A2301DF16EXS	**847.26**	not available	
SPE007-A2301DF16TIS	**752.64**	SPE007-A2301DF16EXS	**903.17**	not available	
SPE009-A2301DF16TIS	**903.17**	SPE009-A2301DF16EXS	**1,052.62**	not available	
SPE014-A2301DF16TIS	**1,060.15**	SPE014-A2301DF16EXS	**1,209.60**	not available	
SPE018-A2301DF16TIS	**1,276.26**	SPE018-A2301DF16EXS	**1,424.64**	not available	
SPE026-A2301DF16TIS	**1,530.01**	SPE026-A2301DF16EXS	**1,678.39**	A2301DF16EXSES	**2,333.18**
SPE032-A2301DF16TIS	**1,751.50**	SPE032-A2301DF16EXS	**1,899.88**	A2301DF16EXSES	**2,553.60**
SPE040-A2301DF16TIS	**2,225.66**	SPE040-A2301DF16EXS	**2,374.04**	A2301DF16EXSES	**3,029.91**
SPE052-A2301DF16TIS	**2,606.29**	SPE052-A2301DF16EXS	**2,755.74**	A2301DF16EXSES	**3,448.17**
SPE062-A2301DF16TIS	**2,987.98**	SPE062-A2301DF16EXS	**3,137.44**	A2301DF16EXSES	**3,829.87**
SPE080-A2301DF14TIS	**4,240.59**	SPE080-A2301DF14EXS	**4,438.42**	A2301DF14EXSES	**5,194.29**
SPE100-A2301DF14TIS	**4,986.77**	SPE100-A2301DF14EXS	**5,185.69**	A2301DF14EXSES	**5,941.55**

FHS version: same prices as per TIS version

Inlet Temperature (°C)	30	35	40	45	50	55	60	65
Correction Factor CFIT 50/60 Hz	0,83 0,85	1 1	1,30 1,32	1,61 1,61	2,00 2,04	2,33 2,56	2,38 2,63	2,50 2,78
Working Pressure (bar_g)	3	5	7	9	11	13	15	16
Correction Factor CFP 50/60 Hz	1,35 1,45	1,11 1,11	1 1	0,85 0,85	0,81 0,81	0,77 0,77	0,72 0,73	0,71 0,71
Ambient Temperature (°C)	20	25	30	35	40	45	50	
Correction Factor CFAT 50/60 Hz	0,93 0,96	1 1	1,02 1,06	1,09 1,11	1,15 1,18	1,22 1,25	1,28 1,33	
Pressure Dew Point (°C)	+3	+5	+7					
Correction Factor CFD 50/60 Hz	1 1	0,78 0,79	0,70 0,72					

To calculate the Minimum Drying Capacity, multiply the system requested air flow by the above correction factors
(i.e. air flow x CFIT x CFP x CFAT x CFD)
The above correction factors are aproximative; for a precise selection always refer to the software selection program.

The installation of original Hiross pre & post- filter is highly recommended.
Any direct or indirect damage to the dryer due to the lack of the pre-filter will nullify the warranty.

PST - POLESTAR (50 Hz)

Compressed air refrigeration dryers
(720 m³/h to 10,800 m³/h)

Product Selection

dryer model 50Hz	technical data				dimensions (mm)			weight	dryer prices			
	air flow		abs. power	air	width	height	depth		AIR cooled with electronic drain	GBP	WATER colled with electronic drain #	GBP
	m³/h	m³/min	kW	connec.	A	B	C	(kg)				
PST120	720	12	1.13	2"	706	1,064	1,046	145	PST120-A40035014EI	**6,049.08**	not available	
PST140	840	14	1.14	2"	706	1,064	1046	145	PST140-A40035014EI	**6,418.95**	not available	
PST180	1,080	18	1.46	2"	706	1,064	1,046	155	PST180-A40035014EI	**8,638.15**	not available	
PST220	1320	22	1.68	2 ½"	806	1,316	1166	230	PST220-A40035014EI	**10,869.20**	PST220-W40035014EI	**10,869.20**
PST260	1,560	26	2.19	2 ½"	806	1,316	1,166	240	PST260-A40035014EI	**11,333.68**	PST260-W40035014EI	**11,333.68**
PST300	1,800	30	2.41	2 ½"	806	1,316	1,166	245	PST300-A40035014EI	**13,462.58**	PST300-W40035014EI	**13,462.58**
PST350	2,100	35	3.06	2 ½"	806	1,316	1,166	250	PST350-A40035014EI	**14,207.69**	PST350-W40035014EI	**14,207.69**
PST460	2,760	46	3.14	DN100	1007	1,690	1,097	470	PST460-A40035014EI	**16,146.28**	PST460-W40035014EI	**16,146.28**
PST520	3,120	52	3.54	DN100	1,007	1,722	1,097	490	PST520-A40035014EI	**17,176.32**	PST520-W40035014EI	**17,176.32**
PST630	3,780	63	4.64	DN100	1007	1,722	1,657	580	PST630-A40035014EI	**19,441.77**	PST630-W40035014EI	**19,441.77**
PST750	4,500	75	5.73	DN150	1,007	1,722	1,657	670	PST750-A40035014EI	**21,983.54**	PST750-W40035014EI	**21,983.54**
PST900	5,400	90	7.63	DN150	1007	1,722	1,657	690	PST900-A40035014EI	**24,803.79**	PST900-W40035014EI	**24,803.79**
PST1200	7,200	120	8.92	DN150	1,007	2,048	1,657	830	PST1200-A40035014EI	**28,573.44**	PST1200-W40035014EI	**28,573.44**
PST1500	9,000	150	12.35	DN200	1007	2,208	2,257	1100	PST1500-A40035014EI	**37,142.79**	PST1500-W40035014EI	**37,142.79**
PST1800	10,800	180	15.96	DN200	1,007	2,208	2,257	1,190	PST1800-A40035014EI	**45,779.87**	PST1800-W40035014EI	**45,779.87**

Performances refer to air-cooled model with air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, 3°C pressure dew point, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data is according to DIN ISO 7183. All models supplied with refrigerant R407C and for operation up to 14 barg.

Models PST120-350 with BSPP-F air connections.

water-cooled models only supplied with electronic zero loss integral drain, which can be configured to work also in PST120-1800 only supplied with electronic zero loss integral drain,
which can be configured to work also in timed mode (see user manual).

Accessories:
- condenser pre-filter available as standard for PST120-1800
- extra robust packing: available on request.
- volt-free alarm contact: available as standard for PST120-1800.
- RS485 serial card: available on request for PST 120-1800.
(RS485 cod. 398H275771 + RS485 USB converter cod. 398H275770) (Included in Option C see PMC legenda.)
- Analogue dewpoint signal (4-20mA) on request: to be ordered with the dryer model for PST120-1800.

The installation of original pre & post- filter is highly recommended.
Any direct or indirect damage to the dryer due to the lack of the pre-filter will nullify the warranty.

First Aid Kit	
part no.	GBP
398H785201	**174.46**
398H785201	**174.46**
398H785201	**174.46**
398H785202	**226.47**
398H785202	**226.47**
398H785202	**226.47**
398H785202	**226.47**
398H785202	**226.47**
398H785202	**226.47**
398H785203	**400.93**
398H785203	**400.93**
398H785203	**400.93**
398H785203	**400.93**
398H785205	**508.21**
398H785205	**508.21**

Airflow correction factors for differing working conditions

A) Working pressure	barg	3	4	5	6	7	8	9	10	11	12	13	14	
airflow correction factors		0.74	0.88	0.9	0.96	1	1.04	1.07	1.08	1.11	1.12	1.14	1.16	
B) Ambient temperature (*)	°C	20		25		30		35		40	45	50		
airflow correction factors		1.06		1		0.95		0.9		0.83	0.77	0.72		
C) Air inlet temperature	°C	30		35		40		45		50	55	60	65	
airflow correction factors		1.29		1		0.84		0.7		0.56	0.5	0.41	0.4	
D) Pressure dew point	°C		5			8				7		10		
airflow correction factors			1			1.1				1.21		1.4		

*only for air-cooled models.

To obtain the actual air flow multiply the value at nominal conditions by the above correction factors (i.e. air flow x A x B x C xD).
PoleStar Smart can operate up to ambient temperatures of 50°C and inlet temperatures of 65°C.
The above correction factors are approximative; for a precise selection always refer to the software selection program.

SPE - STARLETTE-HP

Compressed air refrigeration dryers - up to 50 bar
(25 m³/h to 131 m³/h)

Product Selection

dryer model 50Hz HP	technical data				dimensions (mm)			weight	dryer prices	
	air flow		abs. power	air	width	height	depth		air-cooled version	
	m³/h	m³/min	kW	connec.	A	B	C	(kg)	Catalogue nr.	GBP
SPH004	25	0.4	0.17	1/2"	450	430	210	19.5	SPH004-A23015050TXS	**1,986.86**
SPH006	37	0.6	0.17	1/2"	450	430	210	19.5	SPH006-A23015050TXS	**2,096.72**
SPH012	75	1.3	0.25	1/2"	555	600	425	40	SPH012-A23015050TXS	**2,392.00**
SPH018	131	2.2	0.57	1/2"	555	600	425	42.5	SPH018-A23015050TXS	**2,754.81**

Performances refer to air-cooled model with air suction of FAD 20°C / 1 bar A, and the following operating conditions: air suction 25°C / 60%RH, 40 barg working pressure, 25°C cooling air temperature, 35°C compressed air inlet temperature and 3°C pressure dewpoint. All indicated data refers to DIN ISO 7183. SPH supplied with refrigerant R134a. All models designed for operation up to 50 barg. 50Hz models supplied with 230V / 1Ph / 50Hz power supply. Data refers to 50Hz models. Please contact Parker Sales Companies for different versions.

Airflow correction factors for differing working conditions

A) Working pressure	barg	15	20	25	30	35	40	45	50
airflow correction factors		0.85	0.91	0.94	0.97	0.99	1	1.01	1.01
B) Ambient temperature	°C	20	25	30	35	40	45	50	
airflow correction factors		1.02	1	0.98	0.95	0.93	0.9	0.86	
C) Air inlet temperature	°C	30	35	40	45	50	55	60	65
airflow correction factors		1.18	1	0.87	0.77	0.69	0.62	0.56	0.5
D) Pressure dew point	°C	3		5			7		10
airflow correction factors		1		1.16			1.25		1.4

To obtain the required air flow multiply the value at nominal conditions by the above correction factors (i.e. air flow x A x B x C).
Ambient temperature limit: 50°C. Inlet temperature limit: 65°C.
The above correction factors are approximative; for a precise selection always refer to the software selection program.

The installation of original pre & post- filter is highly recommended.
Any direct or indirect damage to the dryer due to the lack of the pre-filter will nullify the warranty.

PST - POLESTAR HP

Compressed air refrigeration dryers - up to 50 bar

(24 m^3/h to 600 m^3/h)

Product Selection

dryer model	technical data				dimensions (mm)			weight
	air flow		abs. power	air	width	height	depth	
50Hz HP	m^3/h	m^3/min	kW	connec.	A	B	C	(kg)
PSH030	180	3	0.5	1 ¼"	703	945	562	83
PSH045	270	4.5	0.6	1 ¼"	703	945	562	83
PSH065	390	6.5	1.3	1 ¼"	703	945	562	85
PSH090	540	9	1.4	1 ¼"	703	945	562	85
PSH120	720	12	1.4	1 ¼"	706	1064	1046	152
PSH160	960	16	1.4	1 ¼"	706	1064	1046	152
PSH200	1200	20	1.5	1 ¼"	706	1064	1046	152
PSH230	1380	23	1.5	1 ¼"	706	1064	1046	152
PSH290	1740	29	2.9	2 ½" ANSI	1007	1690	1097	356
PSH380	2280	38	3.2	2 ½" ANSI	1007	1690	1097	356
PSH460	2760	46	3.4	2 ½" ANSI	1007	1690	1097	356
PSH630	3780	63	4.1	2 ½" ANSI	1007	1690	1657	455
PSH800	4800	80	6.6	2 ½" ANSI	1007	1690	1657	610
PSH1000	6000	100	6.9	2 ½" ANSI	1007	1690	1657	610
PSH1200	7200	120	7.3	2 ½" ANSI	1007	1690	1657	610

dryer prices	
air-cooled version	
Catalogue nr.	GBP
PSH030-A23015050TI	**3,873**
PSH045-A23015050TI	**4,113**
PSH065-A23015050TI	**4,755**
PSH090-A23015050TI	**5,924**
PSH120-A40035050TI	**7,691**
PSH160-A40035050TI	**10,419**
PSH200-A40035050TI	**12,945**
PSH230-A40035050TI	**13,935**
PSH290-A40035050TI	**16,962**
PSH380-A40035050TI	**19,479**
PSH460-A40035050TI	**21,964**
PSH630-A40035050TI	**27,464**
PSH800-A40035050TI	**33,240**
PSH1000-A40035050TI	**39,331**
PSH1200-A40035050TI	**45,481**

dryer prices	
water-cooled version	
Catalogue nr.	GBP
n.a,	**n.a.**
n.a.	**n.a**
n.a.	**n.a**
n.a.	**n.a**
n.a.	**n.a.**
n.a.	**n.a.**
n.a.	**n.a.**
PSH290-W40035050TI	**16,962**
PSH380-W40035050TI	**19,479**
PSH460-W40035050TI	**21,964**
PSH630-W40035050TI	**27,464**
PSH800-W40035050TI	**33,241**
PSH1000-W40035050TI	**39,331**
PSH1200-W40035050TI	**45,481**

Performances refer to air-cooled model with air suction of FAD 20°C / 1 bar A, and the following operating conditions: air suction 25°C / 60%RH, 40 barg working pressure, 25°C cooling air temperature, 35°C compressed air inlet temperature and 3°C pressure dewpoint. All indicated data refers to DIN ISO 7183. All models supplied with R407C. All models are supplied with timed integrated drain and designed for operation up to 50 barg. Models PSH030-230 supplied with BSPT-F air connections. Flanged models supplied with stainless steel ANSI flanges; counterflanges and DIN flanges available on request. Please contact Parker Sales Companies for different models and versions.

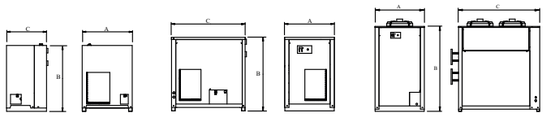
Airflow correction factors for differing working conditions

A) Working pressure	barg	15	20	25	30	35	40	45	50
airflow correction factors		0.85	0.91	0.94	0.97	0.99	1	1.01	1.01
B) Ambient temperature	°C	20	25	30	35	40	45	50	
airflow correction factors		1.02	1	0.98	0.95	0.93	0.9	0.86	
C) Air inlet temperature	°C	30	35	40	45	50	55	60	65
airflow correction factors		1.18	1	0.87	0.77	0.69	0.62	0.56	0.5
D) Pressure dew point	°C	3		5			7		10
airflow correction factors		1		1.15			1.25		1.4

To obtain the required air flow multiply the value at nominal conditions by the above correction factors (i.e. air flow x A x B x C x D).

Ambient temperature limit: 50°C . Inlet temperature limit: 65°C.

The above correction factors are approximative; for a precise selection always refer to the software selection program.



PSH030-090 PSH120-230 PSH290-1200

ATT - ANTARES

Compressed air hybrid dryers

(150 m^3/h to 6,600 m^3/h)

Product Selection

dryer model	technical data							dimensions (mm)			weight
Aircooled	Inlet air flow (1)		Avg. Outlet air flow (1)		Max Pressure	Effective avg. abs. Power (2)	air connections	width	height	depth	
50Hz	m^3/h	m^3/min	m^3/h	m^3/min	barg	kW	BSPP-F	A	B	C	kg
ATT025	150	2.5	144	2.4	16	0.94	1"	706	1,064	1,246	180
ATT040	240	4	234	3.9	16	1.3	1"	706	1,064	1,246	200
ATT060	360	6	348	5.8	12	1.27	1 ½"	806	1,214	1,416	295
ATT090	540	9	522	8.7	12	1.94	1 ½"	806	1,214	1,416	335
ATT140	840	14	816	13.6	12	2.01	2"	1,007	1,586	1,345	490
ATT260	1,560	26	1,512	25.2	12	4.02	2 ½"	1,007	1,720	2,535	880
ATT340	2,040	34	1974	32.9	12	5.17	2 ½"	1,007	1,720	2,535	950
ATT550	3300	55	3180	53	12	10.1	DN100	1850	1,064	3,500	tbd
ATT840	5,040	84	4848	80.8	10	15.7	DN150	2,100	2,188	3,950	tbd
ATT1100	6,600	110	6,348	105.8	10	20.5	DN150	2,100	2,385	3,950	tbd

(1) Refers to FAD 20°C /1 barA air suction and nominal working conditions: 7 barg, 35 °C inlet, 25°C ambient, 100 % relative humidity at dryer inlet. - Max inlet 65°C, max ambient 50°C.
Outlet flow is the average net flow following subtraction of the average purge-air flow. Nominal pressure dew point: -40°C. Pdp configurable on ATT controller from +5°C to -70°C.
(2) calculated throughout the entire cycle period - includes total refrigeration-circuit and desiccant heater absorbed power

ATT025-090 available for 230V, 1-phase, 50Hz power supply; ATT140-340 for 400V, 3-phase, 50Hz power supply. All model IP44.
R134a refrigerant on ATT025-040, R407C on ATT060-340. All ATT models filled with water-resistant Silica Gel adsorbtion material.
Filters included. Nominal air quality class 2.2.2 according to ISO8573-1:2010

dryer model Aircooled 50Hz	Standard configuration	GBP	With By-Pass	GBP	With Touch Screen	GBP	With By-Pass & Touch Screen	GBP
	Catalogue nr.		Catalogue nr.		Catalogue nr.		Catalogue nr.	
ATT025	ATT025-A23015016TI	**11,957**	n.a	-	n.a	-	n.a	-
ATT040	ATT040-A23015016TI	**14,151**	n.a	-	n.a	-	n.a	-
ATT060	ATT060-A23015012TI	**19,969**	ATT060-A23015012TITB		n.a	-	n.a	-
ATT090	ATT090-A23015012TI	**24,440**	ATT090-A23015012TITB	**25,460**	n.a	-	n.a	-
ATT140	ATT140-A40035012EI	**32,604**	ATT140-A40035012EITB	**34,177**	ATT140-A40035012EITS	**35,500**	ATT140-A40035012EITBTS	**37,076**
ATT260	ATT260-A40035012EI	**42,498**	ATT260-A40035012EITB	**46,558**	ATT260-A40035012EITS	**45,396**	ATT260-A40035012EITBTS	**49,456**
ATT340	ATT340-A40035012EI	**47,896**	ATT340-A40035012EITB	**51,957**	ATT340-A40035012EITS	**50,792**	ATT340-A40035012EITBTS	**54,852**

dryer model Aircooled 50Hz	With external electronic drain	GBP	With external electronic drain & By-Pass	GBP
	Catalogue nr.		Catalogue nr.	
ATT025	ATT025-A23015016EX	**12,047**	n.a	-
ATT040	ATT040-A23015016EX	**14,242**	n.a	-
ATT060	ATT060-A23015012EX	**20,061**	ATT060-A23015012EXTB	**21,081**
ATT090	ATT090-A23015012EX	**24,598**	ATT090-A23015012EXTB	**25,618**
ATT140	n.a	-	n.a	-
ATT260	n.a	-	n.a	-
ATT340	n.a	-	n.a	-

dryer model Aircooled 50Hz	With automatic amb temp dependent dew point setting	GBP	With automatic amb temp dependent dew point setting & By-Pass	GBP
	Catalogue nr.		Catalogue nr.	
ATT060	ATT060-A23015012TITP	**21,040**	ATT060-A23015012TITBTP	**22,060**
ATT090	ATT090-A23015012TITP	**25,509**	ATT090-A23015012TITBTP	**26,531**
ATT140	ATT140-A40035012EITP	**33,673**	ATT140-A40035012EITBTP	**35,248**
ATT260	ATT260-A40035012EITP	**43,569**	ATT260-A40035012EITBTP	**47,629**
ATT340	ATT340-A40035012EITP	**48,966**	ATT340-A40035012EITBTP	**53,026**

dryer model Aircooled 50Hz	With Touch Screen, automatic amb temp dependent dew point setting, serial card RS485	GBP	With By-Pass, Touch Screen, automatic amb temp dependent dew point setting, serial card RS485	GBP
	Catalogue nr.		Catalogue nr.	
ATT550	ATT550A40035012EITSTPC	**POA**	ATT550A40035012EITBTSTPC	**POA**
ATT840	ATT840A40035010EITSTPC	**POA**	ATT840A40035010EITBTSTPC	**POA**
ATT1100	ATT1100A40035010EITSTPC	**POA**	ATT1100A40035010EITBTSTPC	**POA**

ATT dryer options:
Watercooled version - Optionally available from model ATT060 - same price as per the equivalent air-cooled model.

ATT model	filters included		
	Fridge Pre-filter	Desiccant Pre-filter	After-filter
ATT025	GL9ZLP	GL9XLP	GL9ZLP
ATT040	GL11ZLP	GL11XLP	GL11ZLP
ATT060	GL11ZLP	GL11XLP	GL11ZLP
ATT090	GL12ZLP	GL12XLP	GL12ZLP
ATT140	GL14ZLP	GL14XLP	GL14ZLP
ATT260	GL19ZLP	GL19XLP	GL19ZLP
ATT340	GL19ZLP	GL19XLP	GL19ZLP
ATT550	FL20ZL ^	FL20XL	FL20ZL
ATT840	FL30ZL^	FL30XL	FL30ZL
ATT1100	FL40ZL^	FL40XL	FL40ZL

(^) Air inlet pre-filter supplied loose on these models, not mounted

ATT - ANTARES

Compressed air hybrid dryers
(150 m³/h to 6,600 m³/h)

Technical Specifications

Correction factors for ATT model selection

A	Inlet Temperature (°C)	30	35	40	45	50	55	60	65					
	Correction Factor	1.22	1	0.81	0.69	0.59	0.52	0.46	0.4					
B	Working Pressure (bar_g)'	4	5	6	7	8	9	10	11	12	13	14	15	16
	Correction Factor	0.62	0.75	0.87	1	1.08	1.2	1.28	1.34	1.4	1.45	1.5	1.54	1.6
	Ambient Temperature (°C)	20	25	30	35	40	45	50						
C	Correction Factor ATT025-040	1.05	1	0.94	0.88	0.81	0.75	0.68						
	Correction Factor ATT060-340	1.06	1	0.95	0.90	0.83	0.77	0.72						

' Model ATT025 - ATT040 max 16 bar_g
Model ATT060 - ATT550 max 12 bar_g
Model ATT840 - ATT1100 max 10 bar_g

Note:
The above correction factors are approximative; please refer always to the software selection program for a precise selection.

(*) applicable only for ATT025-040

Note:
The selection procedure does not depended on the required dew point.
If a higher or lower pdp is set on the controller of the selected ATT model, it affects only the dryer total asorbed power.

To calculate the actual air flow at working conditions, multiply the nominal Air Flow by the correction factors (i.e.: "AirFlow " x A x B x C)
Max 10% underdimentioning is allowed, not to affect the performances.

Correction factors for ATT power consumption calculation at partial load and/or at different dew-point values

	Pressure Dew Point (°C)	Refrig. only	+3	0	-10	-20	-40	-70
(D)	Correction Factor	0.39	0.88	0.89	0.90	0.92	1	1.31

	Partial Load	25 %	50 %	75 %	100 %
(E)	Correction Factor	0.66	0.82	0.94	1
	Correction Factor(**) Refrigeration-circuit only	0.52	0.76	0.90	1

(**) applicable only from ATT140 to ATT1100

Note:
The total nominal absorbed power is the sum of the "Effective Avg. Absorbed Power" and the "Purge Air equivalent abs. Power" in the technical data table.

To calculate the absorbed power at a specific pdp, apply the correction factor (D) to the **total nominal absorbed power** of the selected model.
If the ATT model is using the by-pass and consequently only the fridge dryer section is working, use the "Refrig. only" factor.

To calculate the absorbed power at a specific load, apply the correction factors (E) to the **total nominal absorbed power** of the selected model.
If the ATT model is using the by-pass and consequently only the fridge dryer section is working, use the "Refrigeration-circuit only" factors.

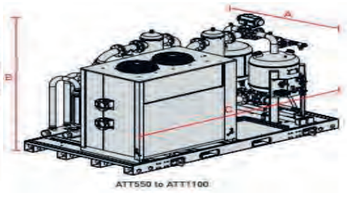
Example: model ATT260, at -20°C pdp and 50% load, working for 6000hr @0,1€/kWh, without by-pass -- (4,02+4,41)*0,92*0,82 = 6,36kW -- (6,36*6000*0,1)= 3.816€
Example: model ATT260, at 50% load, with activated by-pass, absorbs (4,02+4,41)*0,39*0,76 = 2,5kW
Example: model ATT260 working at 50% load, 4000hr with by-pass and 2000hr at -20°C pdp, @ 0,1€/kWh -- (6,36*4000+2,5*2000)*0,1= 3.044€ saving 772€ over 2000hr

ATT025 & ATT040

ATT060 & ATT090

ATT140

ATT260 & ATT340



ATT550 to ATT1100

HIGH PRESSURE DRYER
HDK series 25 and 50 bar

Standard scope of supply:
Fully automatic high pressure heatless adsorption dryer
with multitronic-plus control device
for supply voltage of 230 V, 50-60 Hz,
for drying compressed air,
including pre- and afterfilter.

CE mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for Fluid Group 2, module B+D.

Technical data and prices

Type				Capacity*1)	Dimensions mm			Connection	pressure	Weight	Order no.	Price	Order no.	Price
				m³/h	A	B	C	DIN ISO 228	bar max.	kg	*2)	*2)	*3)	*3)
HDK	18	/	25	25	675	925	400	G1/2	25	65	H18/25D0-G230M	5,295.05	H18/25D0-G230MT	7,393.76
HDK	40	/	25	50	735	1190	400	G1/2	25	78	H40/25D0-G230M	6,202.84	H40/25D0-G230MT	8,301.53
HDK	80	/	25	100	790	1290	400	G1/2	25	104	H80/25D0-G230M	7,192.65	H80/25D0-G230MT	9,291.73
HDK	120	/	25	125	786	1489	400	G1/2	25	113	H120/25D0-G230M	9,456.44	H120/25D0-G230MT	11,555.86
HDK	160	/	25	180	815	1489	400	G3/4	25	153	H160/25D0-G230M	11,231.63	H160/25D0-G230MT	13,329.66
HDK	210	/	25	240	840	1484	400	G3/4	25	182	H210/25D0-G230M	13,333.47	H210/25D0-G230MT	15,432.39
HDK	360	/	25	390	890	1576	400	G3/4	25	240	H360/25D0-G230M	15,046.33	H360/25D0-G230MT	17,146.70
HDK	550	/	25	600	945	1576	400	G3/4	25	390	H550/25D0-G230M	17,562.55	H550/25D0-G230MT	19,662.38
HDK	18	/	50	50	675	925	400	G1/2	50	65	H18/50D0-G230M	5,652.33	H18/50D0-G230MT	7,752.15
HDK	40	/	50	100	735	1190	400	G1/2	50	78	H40/50D0-G230M	6,707.30	H40/50D0-G230MT	8,807.12
HDK	80	/	50	200	790	1290	400	G1/2	50	104	H80/50D0-G230M	7,781.36	H80/50D0-G230MT	9,881.18
HDK	120	/	50	240	786	1489	400	G1/2	50	113	H120/50D0-G230M	9,877.81	H120/50D0-G230MT	11,975.75
HDK	160	/	50	360	815	1489	400	G3/4	50	153	H160/50D0-G230M	11,767.24	H160/50D0-G230MT	13,866.24
HDK	210	/	50	480	840	1484	400	G3/4	50	182	H210/50D0-G230M	14,029.47	H210/50D0-G230MT	16,128.89
HDK	360	/	50	780	890	1576	400	G3/4	50	240	H360/50D0-G230M	15,939.42	H360/50D0-G230MT	18,713.88
HDK	550	/	50	1180	945	1576	400	G3/4	50	390	H550/50D0-G230M	19,160.43	H550/50D0-G230MT	21,258.91

*1) calculated at 1 bar (abs.) and 20 °C, compressed to nominal pressure and 35 °C inlet temperature for press. dew-point - 40 °C
*2) multitronic plus, retrofittable with dew point sensor ZHM100
*3) Pressure dew-point control device - multitronic-plus with ZHM100 for reduction in purge-air consumption.

Higher capacities, operating pressures, inlet temperatures or lower pressure dew-points on request.

Conversion factor pressure/temp. for press. dew-point - 40 °C

Pressure	Temperature °C				
bar	30	35	40	45	50
	pmax = 25 bar				
17	0.69	0.68	0.53	0.41	0.33
21	0.86	0.84	0.66	0.50	0.40
25	1.02	1.00	0.78	0.60	0.48
	pmax = 50 bar				
25	0.53	0.52	0.41	0.31	0.26
38	0.78	0.76	0.59	0.46	0.36
50	1.02	1.00	0.78	0.60	0.48

Sizing example

Compressed air to be dried		
Flow Rate	100	m³/h
Operating Pressure	38	bar g
Inlet Temperature	40	°C
Pressure Dew-Point	-40	°C

$$\text{Dryer Capacity} = \frac{100}{0.59} = 169.5 \text{ m}^3/\text{h}$$

Selected HDK 80/50

HIGH PRESSURE DRYER
ecodry HDK-MT series 100 and 350 bar

Standard scope of supply:
Fully automatic high pressure heatless adsorption dryer
with multitronic-plus-ZHM100 press. dew-point control,
for supply voltage of 230 V, 50-60 Hz,
for drying compressed air,
including pre- and afterfilter of series GH.

CE mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for Fluid Group 2, module B+D.

Technical data and prices

Model	Capacity*1)	Dimensions mm			Connection	pressure	Weight	Order no.	Price	
	m³/h	A	B	C	DIN ISO 228	bar max.	kg			
HDK-MT 15 / 100	120	716	1045	340	G1/2	100	90	**H15/100D2-G230MT**	**19,557.42**	26
HDK-MT 20 / 100	180	716	1245	340	G1/2	100	105	**H20/100D2-G230MT**	**20,284.97**	26
HDK-MT 25 / 100	240	716	1445	340	G1/2	100	120	**H25/100D2-G230MT**	**21,320.43**	26
HDK-MT 30 / 100	300	716	1645	340	G1/2	100	130	**H30/100D2-G230MT**	**22,704.44**	26
HDK-MT 40 / 100	400	780	1645	340	G3/4	100	155	**H40/100D2-G230MT**	**27,082.61**	26
HDK-MT 50 / 100	520	780	1845	340	G3/4	100	170	**H50/100D2-G230MT**	**31,018.88**	26
HDK-MT 70 / 100	650	780	2145	340	G3/4	100	210	**H70/100D2-G230MT**	**33,025.97**	26
HDK-MT 15 / 350	200	716	1045	340	G1/2	350	140	**H15/350D2-G230MT**	**22,582.60**	26
HDK-MT 20 / 350	300	716	1245	340	G1/2	350	170	**H20/350D2-G230MT**	**24,254.09**	26
HDK-MT 25 / 350	400	716	1445	340	G1/2	350	205	**H25/350D2-G230MT**	**25,730.78**	26
HDK-MT 30 / 350	500	716	1645	340	G3/4	350	230	**H30/350D2-G230MT**	**27,571.90**	26
HDK-MT 40 / 350	780	780	1645	340	G3/4	350	280	**H40/350D2-G230MT**	**33,925.31**	26
HDK-MT 50 / 350	940	780	1845	340	G3/4	350	310	**H50/350D2-G230MT**	**37,185.67**	26
HDK-MT 70 / 350	1180	780	2145	340	G3/4	350	380	**H70/350D2-G230MT**	**41,787.53**	26

*1) calculated at 1 bar (abs.) and 20 °C, compressed to nominal pressure
and 35 °C inlet temperature for pressure dew-point - 40 °C

Higher capacities, operating pressures, inlet temperatures
or lower pressure dew-points on request.

Conversion factors for HDK-MT PN100

Korrekturfaktor CFT für Temperatur

°C	30	35	40	45	50	55
CFT	**1**	**1**	**1.29**	**1.67**	**2.08**	**2.68**

Korrekturfaktor CFP für Druck

bar_e	50	75	100
CFP	**2.00**	**1.33**	**1**

Conversion factors for HDK-MT PN350

Correction Factor for Temperature

°C	30	35	40	45	50	55
CFT	**1**	**1**	**1.32**	**1.68**	**2.15**	**2.8**

Correction Factor for Pressure

bar(g)	100	150	200	250	300	350
CFP	**3.57**	**2.33**	**1.75**	**1.41**	**1.16**	**1**

Sizing example

Druckluft soll getrocknet werden:
Compressed air to be dried:

flow rate	100	m³/h
operating pressure	200	bar g
inlet temperature	45	°C
press.dew point	-40	°C

Requested dryer capacity

100 m³/h x 1,75 x 1,68 = 294 m³/h

selected HDK-MT 20/350

All correction factors valid for press. dew-points of -25 up to -40 °C.

ADSORPTION DRYER
concept WVM series

Standard scope of supply:
Fully automatic adsorption dryer
with vacuum regeneration for drying compressed air.
Heat regeneration without purge air requirement.
Processor-control-device: ZDMC2
Including dew-point depending control.

CE mark in accordance with the Pressure Equipment Directive 97/23/EC
(PED) for Fluid Group 2, module B+D.

Technical data and prices

Type	Capacity	Capacity	Dimensions mm			Connection	Pressure	Weight	power	power	Order no.	Price	Order no.	Price
	m³/h *1)	m³/h *2)	A	B	C	EN 1092-1	bar max.	kg	kW *3)	kWh/h *4)	*5)	*5)	*6)	*6)
WVM 40	420	406	1140	2230	990	40	10	570	5.55	3.0	**W40/10VM4-F400CT**	**POA**	**W40/10VM4-F400CT/I**	**POA**
WVM 50	510	486	1140	2230	990	40	10	600	5.55	3.6	**W50/10VM4-F400CT**	**POA**	**W50/10VM4-F400CT/I**	**POA**
WVM 65	640	630	1260	2300	1110	50	10	770	9.7	4.6	**W65/10VM4-F400CT**	**POA**	**W65/10VM4-F400CT/I**	**POA**
WVM 85	850	830	1260	2300	1110	50	10	800	9.7	6.1	**W85/10VM4-F400CT**	**POA**	**W85/10VM4-F400CT/I**	**POA**
WVM 120	1180	1160	1460	2690	1160	80	10	1150	13.4	7.9	**W120/10VM4-F400CT**	**POA**	**W120/10VM4-F400CT/I**	**POA**
WVM 150	1500	1470	1540	2700	1200	80	10	1300	18.2	10.7	**W150/10VM4-F400CT**	**POA**	**W150/10VM4-F400CT/I**	**POA**
WVM 200	1980	1940	1605	2750	1405	80	10	1650	23.7	11.8	**W200/10VM4-F400CT**	**POA**	**W200/10VM4-F400CT/I**	**POA**
WVM 235	2350	2300	2025	2870	1490	100	10	2000	36.7	16.0	**W235/10VM4-F400CT**	**POA**	**W235/10VM4-F400CT/I**	**POA**
WVM 300	2930	2870	2050	2890	1565	100	10	2250	36.7	19.9	**W300/10VM4-F400CT**	**POA**	**W300/10VM4-F400CT/I**	**POA**
WVM 355	3550	3480	2160	2960	1750	100	10	2650	43.7	23.9	**W355/10VM4-F400CT**	**POA**	**W355/10VM4-F400CT/I**	**POA**
WVM 410	4100	4020	2430	3230	1710	150	10	3250	43.7	27.8	**W410/10VM4-F400CT**	**POA**	**W410/10VM4-F400CT/I**	**POA**
WVM 475	4740	4650	2490	3260	1710	150	10	3650	48.7	29.6	**W475/10VM4-F400CT**	**POA**	**W475/10VM4-F400CT/I**	**POA**
WVM 525	5250	5150	2550	3265	1775	150	10	4050	63.2	31.2	**W525/10VM4-F400CT**	**POA**	**W525/10VM4-F400CT/I**	**POA**
WVM 620	6210	6090	2570	3540	1865	150	10	4700	73.2	43.2	**W620/10VM4-F400CT**	**POA**	**W620/10VM4-F400CT/I**	**POA**
WVM 710	7100	6960	2635	3560	1900	150	10	5050	84.2	46.6	**W710/10VM4-F400CT**	**POA**	**W710/10VM4-F400CT/I**	**POA**
WVM 800	8000	7840	3085	3625	2110	200	10	6450	89.2	55.1	**W800/10VM4-F400CT**	**POA**	**W800/10VM4-F400CT/I**	**POA**
WVM 920	9200	9020	3125	3645	2235	200	10	7500	114.2	62.3	**W920/10VM4-F400CT**	**POA**	**W920/10VM4-F400CT/I**	**POA**
WVM 1080	10800	10580	3225	3710	2285	200	10	8700	125.2	71.1	**W1080/10VM4-F400CT**	**POA**	**W1080/10VM4-F400CT/I**	**POA**
WVM 1230	12300	12050	3475	4050	2350	250	10	11500	151.2	83.3	**W1230/10VM4-F400CT**	**POA**	**W1230/10VM4-F400CT/I**	**POA**
WVM 1450	14500	14210	3500	4200	2380	250	10	13500	172.2	97.5	**W1450/10VM4-F400CT**	**POA**	**W1450/10VM4-F400CT/I**	**POA**

*1) calculated at 1 bar (abs.) and 20 °C, compressed to 7 bar g
and 35 °C inlet temperature, for pressure dew-point -25 °C
*2) calculated at 1 bar (abs.) and 20 °C, compressed to 7 bar g
and 35 °C inlet temperature, for pressure dew-point -40 °C
*3) installed power at 400 V, 50 Hz for pressure dew-point -25/-40 °C
*4) Averaged nominal power consumpftion for pressure dew-point -25/-40 °C
*5) Pressure dew-point control device ZDMC2 with dew point-sensor ZHM100
*6) with additional insulation of vessel shell and protection against contact
*7) Prices, higher capacities, operating pressures, inlet temperatures
or lower pressure dew-points on request.

Conversion factor pressure/temperature

pressure	inlet temperature			
bar	30	35	40	°C
4	0.69	0.44	0.28	
5	0.80	0.62	0.42	
6	0.90	0.80	0.59	
7	1.02	1.00	0.70	
8	1.06	1.05	0.79	
9	1.17	1.16	0.88	
10	1.29	1.28	0.96	

at Tamb = 25 °C and rel. humidity 60 %

Sizing Example

Compressed air has to be dried:

actual flow rate	4095	m³/h
operating pressure, min.	9	bar g
inlet temperature, max.	30	°C

$$\text{Nominal Capacity} = \frac{4095}{1.17} = 3500 \text{ m}^3/\text{h}$$

Selected for pdp -25 °C WVM 355

Selected for pdp -40 °C WVM 410

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