



COMPRESSORS & PNEUMATIC  
SYSTEMS LTD

# Treatment

## TAH - TCH Refrigerant Dryers

Model	Capacity at 7 bar		Power Absorbed kW	Pipe Size		Compressor Model Match	Price £
	m <sup>3</sup> /min	cfm		Air	Drain		
TAH 4	0.35	12.4	0.22	3/4"	1/4"	SX3	757
TAH 6	0.6	21.2	0.28	3/4"	1/4"	SX4/SX6	824
TBH 9	0.8	28.3	0.28	3/4"	1/4"	SX8/SM9	937
TBH 13	1.2	42.4	0.30	3/4"	1/4"	SM12	1,049
TCH 22	2.2	77.7	0.46	1"	1/4"	SM15/SK22	1,326
TCH 26	2.6	91.8	0.48	1"	1/4"	SK25/ASK27	1,491
TCH 32	3.15	111.2	0.64	1"	1/4"	ASK32/ASD32	1,753
TCH 35	3.5	123.6	0.66	1"	1/4"	ASK35	1,843

Capacities: The drying capacity of +2°C to +3°C dewpoint is based on an air inlet pressure of 7 bar (100psi) and inlet temperature of 35°C, Ambient Temp 25°C.  
\*Care must be taken when matching compressor and dryer. For non-standard applications a correction factor may have to be used to help select the appropriate dryer.

## PST Large Refrigerant Dryers

Model	Capacity at 7 bar		Power Absorbed kW	Pipe Size		Compressor Model Match	Price £
	m <sup>3</sup> /min	cfm		Air	Drain		
PST 180	18	636	1.46	2"	1/2"	CSDX165/DSD172	7,088
PST 220	22	777	1.68	2 1/2"	1/2"	DSD202	8,918
PST 260	26	918	2.19	2 1/2"	1/2"	DSD238/DSDX243	9,300
PST 300	30	1065	2.41	2 1/2"	1/2"	DSDX302	11,046
PST 350	35	1236	3.06	2 1/2"	1/2"	DSDX302	11,658
PST 460	46	1624	3.14	DN100	1/2"	ESD352/ESD442	13,249
PST 520	52	1836	3.54	DN100	1/2"	FSD471	14,094
PST 630	63	2225	4.64	DN100	1/2"	FSD571	15,954
PST 750	75	2649	5.73	DN150	1/2"	HSD711	18,039

**Please note:** The TAH-TCH & SECOTEC Series of dryers have a maximum working pressure of 16bar, the PST range has a maximum working pressure of 14bar.

## SECOTEC & Large Refrigerant Dryers

Please note that most SECOTEC dryer models qualify for ECAs\*  
(ECA = Enhanced Capital Allowance - Models currently excluded are TA5, TA8, TB26 and TC31)

Model	Capacity at 7 bar		Power Absorbed kW	Pipe Size		Compressor Model Match	Price £
	m <sup>3</sup> /min	cfm		Air	Drain		
TA 5	0.6	21	0.25	3/4"	DN6	SX3/SX4/SX6	1,074
TA 8	0.85	30	0.25	3/4"	DN10	SX8/SM9	1,291
TA 11	1.25	44	0.28	3/4"	DN10	SM12	1,452
TB 19	2.10	74	0.43	1"	DN10	SM15/SK22	1,893
TB 26	2.55	90	0.61	1"	DN10	SK25/ASK27	2,165
TC 31	3.20	113	0.73	1 1/4"	DN10	ASK32/ASD32	2,566
TC 36	3.9	138	0.80	1 1/4"	DN10	ASK35/ASD37	2,695
TC 44	4.70	166	0.90	1 1/4"	DN10	ASD47	3,096
TD 51	5.65	199	0.86	1 1/2"	DN10	ASD57/BSD62	3,906
TD 61	7.00	247	1.10	1 1/2"	DN10	BSD72	4,259
TD 76	8.25	291	1.40	2"	DN10	BSD81/CSD85	4,884
TE 91	10.15	358	1.15	2"	2x DN10	CSD105	6,660
TE 121	12.70	448	1.45	2"	2x DN10	CSD125	7,611
TE 141	14.30	505	1.60	2"	2x DN10	CSDX140/DSD142	9,137
TF 173	17.00	600	2.10	DN65	2x 1/4"	CSDX165/DSD172	11,560
TF 203	21.00	742	2.20	DN80	2x 1/4"	DSD202	13,356
TF 251	25.00	883	2.50	DN80	2x 1/4"	DSD238/DSDX243	14,199
TG 301	30.8	1088	3.1	DN80	2x R3/4"	DSDX302	16,488
TH 371	37.5	1324	4.3	DN100	2x R3/4"	ESD 352	18,787
TH 451	45.0	1589	5.9	DN100	2x R3/4"	ESD442	20,957
TI 521	52.5	1854	6.7	DN150	2x R3/4"	FSD471	23,773
TI 601	60.0	2119	7.5	DN150	2x R3/4"	FSD571	27,056
TI 751	75.0	2649	9.4	DN150	2x R3/4"	HSD711	30,929
TI 901	90.0	3178	11.5	DN150	2x R3/4"	HSD731/HSD861	34,036

\*IMPORTANT - Please Note: 15 bar RM, SXC,  
AIRCENTER and AIRCENTER SFC models are on application

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# Treatment Desiccant Dryers

## MIDAS Point of Use Dryers

Dryer Model	Capacity at 7 bar		Dryer In/Out BSP	Dryer Price £	Recomm- ended Inlet Filter	Filter Price £	Total Price £
	m <sup>3</sup> /min	cfm					
DAS 1	0.09	3	3/8"	1,071.19	AO-010B	156.78	1,227.97
DAS 2	0.14	5	3/8"	1,156.78	AO-010B	156.78	1,313.56
DAS 3	0.23	8	3/8"	1,270.34	AO-010B	156.78	1,427.12
DAS 4	0.28	10	3/8"	1,363.56	AO-010B	156.78	1,520.34
DAS 5	0.37	13	3/8"	1,422.03	AO-010B	156.78	1,578.81
DAS 6	0.43	15	3/8"	1,588.47	AO-010B	156.78	1,715.25
DAS 7	0.57	20	3/8"	1,811.02	AO-010B	156.78	1,967.80

Maximum Operating Pressure 12 bar  
MIDAS dryers are supplied electronic as standard 230/1/50

## Maxi Heat Regenerative

Dryer Model	Capacity* at 7 bar		Dryer & Filter Pipe Size BSP	Recomm- ended Pre-Filter per bank	Pre-Filter per bank Price £	Dryer Price £
	m <sup>3</sup> /min	cfm				
DHS 102	3.97	140	2"	AO-040H	929.66	POA
DHS 104	7.95	280	2"	AO-040H	929.66	POA
DHS 106	11.92	420	2 1/2"	AO-040H	1,338.14	POA
DHS 108	15.88	560	2 1/2"	AO-050I	1,338.14	POA
DHS 110	19.86	700	2 1/2"	AO-050I	1,338.14	POA
DHS 208	31.76	1120	2x 2 1/2"	AO-050I	1,338.14	POA
DHS 210	39.71	1400	2x 2 1/2"	AO-050I	1,338.14	POA
DHS 308	47.65	1679	3x 2 1/2"	AO-050I	1,338.14	POA
DHS 310	59.57	2100	3x 2 1/2"	AO-050I	1,338.14	POA
DHS 408	63.53	2239	4x 2 1/2"	AO-050I	1,338.14	POA
DHS 410	79.43	2779	3x 2 1/2"	AO-050I	1,338.14	POA

\*Capacities are calculated on an inlet temperature of +35°C, inlet pressure of 7 bar (100 psi). Maximum Operating Pressure 13 bar – All Maxi Dryers supplied as a package are complete with AA inlet filters. AR outlet filters and flexible couplings. Pre-filters must be installed upstream of the Maxi Dryers otherwise warranty may be invalid. Maxi Heatless & Heat Regenerative models include 'SMART' Controller – 'Advanced' electronic controller is available as an option, please refer to HPC for full details.





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# Treatment Desiccant Dryers

## Mini/Midi Desiccant Dryers

Dryer Model	Capacity at 7 bar		Dryer In/Out BSP	Dryer Price £	Inlet Filter	Filter Price £	Outlet Filter	Filter Price £	Total Price £
	m <sup>3</sup> /min	cfm							
DME 012	0.68	24	½"	1,668.64	AA-020D	283.90	AR-020D	283.90	2,236.44
DME 015	0.91	32	½"	1,939.83	AA-020D	283.90	AR-020D	283.90	2,507.63
DME 020	1.19	42	½"	2,194.92	AA-020D	283.90	AR-020D	283.90	2,762.72
DME 025	1.50	53	½"	2,372.88	AA-020D	283.90	AR-020D	283.90	2,940.68
DME 030	1.84	65	½"	2,867.90	AA-020D	283.90	AR-020D	283.90	3,435.60
DME 040	2.49	88	¾"	3,411.86	AA-025D	376.27	AR-025D	376.27	4,164.40
DME 050	3.01	106	1"	3,876.27	AA-025E	376.27	AR-025E	376.27	4,628.81
DME 060	3.69	130	1"	4,463.56	AA-030E	559.32	AR-030E	559.32	5,582.20
DME 080	4.99	176	1"	4,991.53	AA-030E	559.32	AR-030E	559.32	6,110.17

\*Capacities are calculated on an inlet temperature of +35°C, inlet pressure of 7 bar (100 psi).  
Standard DME dryers –40°C pressure dewpoint. –70°C PDP available on request. Please refer to HPC for full details and prices.

Desiccant dryers are supplied without a filter fixing kit. Maximum Operating Pressure: Models DME012 to 040 is 16 bar, DME050 to 080 is 13 bar.

## KAESER DC Heatless

Dryer Model	Capacity* at 7 bar		Dryer Price £
	m <sup>3</sup> /min	cfm	
DC 12 (E)	1.17	41.3	POA
DC 18 (E)	1.83	64.6	POA
DC 27 (E)	2.67	94.3	POA
DC 33 (E)	3.33	117.6	POA
DC 50 (E)	5.00	176.6	POA
DC 75 (E)	7.50	264.9	POA
DC 108 (E)	10.83	382.5	POA
DC 133 (E)	13.33	470.7	POA
DC 169 (E)	16.88	596.1	POA
DC 215 (E)	21.47	758.2	POA
DC 266 (E)	26.62	940.1	POA
DC 323 (E)	32.33	1141.7	POA
DC 386 (E)	38.63	1364.2	POA

Std DC dryers –40°C p. dewpoint. –20°C & –70°C PDP available on request. Please refer to HPC for full range, details and price.

## Maxi Heatless

Dryer Model	Capacity* at 7 bar		Dryer Price £
	m <sup>3</sup> /min	cfm	
MXS 102C	6.81	240	POA
MXS 103C	10.22	360	POA
MXS 103	12.78	450	POA
MXS 104	17.03	600	POA
MXS 105	21	750	POA
MXS 106	26	900	POA
MXS 107	30	1050	POA
MXS 108	34	1200	POA
MXS 205	43	1500	POA
MXS 206	51	1800	POA
MXS 207	60	2100	POA
MXS 208	68	2400	POA
MXS 306	77	2700	POA

Std MXS dryers –40°C p. dewpoint. –20°C & –70°C PDP available on request. Please refer to HPC for full range, details and price.



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# Treatment Evolution Air Filters

Filter Model	Flow Rates* cfm	Price £
AO-010 (A/B/C) HPC AA-010 (A/B/C) HPC ACS-010 (A/B/C) HPC	21	156.78 156.78 158.47
AO-015 (B/C) HPC AA-015 (B/C) HPC ACS-015 (B/C) HPC	42	193.22
AO-020 (C/D/E) HPC AA-020 (C/D/E) HPC ACS-020 (C/D/E) HPC	64	283.90
AO-025 (D/E) HPC AA-025 (D/E) HPC ACS-025 (D/E) HPC	127	376.27
AO-030 (E/F/G) HPC AA-030 (E/F/G) HPC ACS-030 (E/F/G) HPC	233	559.32
AO-035 (F/G) HPC AA-035 (F/G) HPC ACS-035 (F/G) HPC	339	622.03
AO-040 (G/H) HPC AA-040 (G/H) HPC ACS-040 (G/H) HPC	466	929.66
AO-045 (H) HPC AA-045 (H) HPC ACS-045 (H) HPC	699	1,094.07
AO-050 (I/J) HPC AA-050 (I/J) HPC ACS-050 (I/J) HPC	911	1,338.14
AO-055 (I/J) HPC AA-055 (I/J) HPC ACS-055 (I/J) HPC	1314	1,526.27
AO-060 (K) HPC AA-060 (K) HPC ACS-060 (K) HPC	2119	2,527.12
AO-150 (N) HPC AA-150 (N) HPC ACS-150 (N) HPC	911	1,867.80
AO-200 (N) HPC AA-200 (N) HPC ACS-200 (N) HPC	1314	2,422.03
AO-250 (O) HPC AA-250 (O) HPC ACS-250 (O) HPC	2119	3,851.69
AO-300 (O) HPC AA-300 (O) HPC ACS-300 (O) HPC	2755	4,567.80
AO-350 (P) HPC AA-350 (P) HPC ACS-350 (P) HPC	4132	5,431.36

Filter Model	Flow Rates* cfm	Price £
AO-400 (Q) HPC AA-400 (Q) HPC ACS-400 (Q) HPC	6887	9,717.80
AO-450 (R) HPC AA-450 (R) HPC ACS-450 (R) HPC	11,019	13,116.10
AO-500 (S) HPC AA-500 (S) HPC ACS-500 (S) HPC	16,528	18,094.92

Filter Grade	Particle Removal (Microm)	Remaining Oil content (PPM)	Air Quality
AO	1	0.5	ISO 8873.1: 2001: Class 3 Dirt, 3 Oil
AA	0.01	0.01	ISO 8873.1: 2001: Class 2 Dirt, 2 Oil
ACS	-	0.003	ISO 8873.1: 2001: Class - Dirt, 1 Oil



\*IMPORTANT - Please Note: 15 bar RM, SXC,  
AIRCENTER and AIRCENTER SFC models are on application

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