mAIR Medical Air, cAIR Combined Air & sAIR Surgical Air Systems – EN ISO 7396-1/HTM 02-01 and HTM2022 EurPh 400V 50Hz, 380V 60Hz, 4 Bar, 7 Bar & 10 Bar Outlet- WUX

SPECIFICATION

Air Plant System

The Medical Air system shall conform to EN ISO 7396-1 and NHS Health Technical Memorandum HTM02-01 or HTM2022. Medical quality air to the European Pharmacopoeia monograph shall be delivered at pressures of 400 kPa (4 bar), 700kPa (7 bar) or 1000 kPa (10 bar) gauge for supply of the hospital medical or surgical air systems. The entire system shall be 'duplexed' such that any single functional component failure will not affect the integrity of the medical compressed air supply.

Surgical air systems shall have a simplex or duplex dryer system and a simplex compressor. Additional compressors shall be available to duplex the compressors, such that any single compressor failure will not affect the integrity of the air supply.

Sources Of Supply - HTM02-01/EN ISO 7396-1

Triplex or quadruplex compressor configurations will produce the primary supply with two compressors in standby. Each compressor will be capable of supplying the specified volumetric flow for duplex and triplex plant, and half flow for quadruplex. For duplex plant the secondary supply shall be from an automatic manifold capable of supplying at average demand for 4 hours. For triplex and quadruplex plant the standby compressors will form the secondary supply.

Sources Of Supply - HTM2022 EurPh

Duplex, triplex, quadruplex or pentaplex compressor configurations will produce the primary supply with one compressor on standby. A secondary supply shall be from an automatic manifold capable of supplying at average demand for 4 hours.

Control System

The central control system shall provide an intelligent human machine interface incorporating on board flash memory and real-time clock for recording operational parameters in the event log. The central control system shall operate at low voltage and include BMS connection for plant fault, plant emergency, reserve fault and pressure fault. Visualisation of plant inputs, outputs and status through a web browser, using a simple Ethernet connection shall be available. The central control unit shall incorporate a user friendly 5.7" high-definition colour display with clear pictograms and LED indicators, providing easy access to system operational information.

A mechanical back-up facility shall ensure continued operation in the event of a control system malfunction. The control system shall normally employ automatic rotation of the lead compressor to maximise life and ensure even wear.

Compressors

Compressors shall be Atlas Copco G MED oil injected rotary screw compressors suitable for both continuous and frequent start/stop operation at a nominal outlet pressure of 750 kPa (7.5 bar), 1000 kPa (10 bar) or 1300 kPa (13 bar) gauge. Compressors shall be supplied with a block and fin style after cooler with a dedicated quiet running fan to maximise cooling and efficiency. A multistage oil separator capable of achieving 3ppm oil carry over shall be fitted to minimise contamination and maintenance. IP55 class F electric motors shall be used and incorporate maintenance-free bearings.

Dryer/Filter/Regulator System

The duplexed filter and dryer module shall incorporate high efficiency water separators, oil coalescing general purpose & high efficiency filters, heatless regenerative desiccant dryers, activated carbon filters with hopcalite catalyst and bacterial filters. The performance of the filters shall be according to below specifications:

- Oil coalescing general purpose filter: mass efficiency of 99,3%, tested according to ISO 8573-2 & ISO 12500-1;
- Oil coalescing high efficiency filter: mass efficiency of 99,92%, tested according to ISO 8573-2 & ISO 12500-1;
- Activated carbon filter: max remaining total oil content of 0,003 mg/m³, tested according to ISO 8573-5 & ISO12500-2;
- Bacterial filter: particle count efficiency of 99,98% at MPPS=0.06µm, tested according to ISO 12500-3.

Contaminants in the delivered air downstream of the bacterial filters shall be maintained at levels below those shown in the following table:

Contaminant	Threshold
H2O	67 ppm v/v
Dry particulates	Free from visible particulates in a 75 litre sample
Oil (droplet or mist)	0.1 mg/m³
CO	5 ppm v/v
CO2	500 ppm v/v
SO2	1 ppm v/v
NO	2 ppm v/v
NO2	2 ppm v/v

Dryer Purge Control - Optional

The dryer control system shall incorporate a Purge Saver Energy Management system that freezes the regeneration of the desiccant once adequate dew point is reached in the inactive tower. Only when the dewpoint level in the active tower deteriorates to an unacceptable level will the intelligent controller switch towers. This shall be achieved by including an additional dew point sensor and associated software in the dryer controller to effectively manage the system as well as providing on screen measurements of purge savings.

Dew Point Monitoring

The dryer shall incorporate a dew point hygrometer with an accuracy of ±3° C in the range -20 to -80° C atmospheric dew point and 4-20mA analogue output. Aluminium oxide or palladium wire sensors are not acceptable. An alarm condition shall trigger on the dryer control panel if the dew point exceeds a -46° C atmospheric set point. The plant control unit shall incorporate a multifunctional LCD displaying, amongst other things, the dew point of the delivered air to enable monitoring of the air quality by the hospitals estates department. Voltage free contacts shall be included to enable the dew point alarm signal to be connected to a central medical gas alarm system and/or building management system (BMS). To enable periodic calibration of the dew point sensor element, the hygrometer shall be remotely connected downstream of the dryer via a micro-bore tube. It is not acceptable to install the sensor directly into the medical air supply pipeline.

Receiver Assembly

The air receiver shall be ML approved, supplied with relevant test certificates. Each air receiver shall be fitted with a zero loss electronic drain valve. Float type drain valves are not acceptable. The receiver assembly shall be fitted with a pressure safety valve, set at 10% receiver overpressure. The receiver shall further include a pressure gauge.

Optional Items

There shall be the followings options available for enhanced operation of the air plant system:

- Phase sequence relays that prevent unintentional reverse operation of the compressors
- EWD zero loss electronic water drains for the dMED dryer including secure mounting to the dryer base
- Synthetic oil for increased compressor life
- QDT saturation indicators to give clear visual indication of oil carry over to the activated carbon tower (only up to 10bar)
- Tropical thermostatic sensors for countries with high humidity
- CO and CO2 monitors including full integration into the ES-MED central controller giving alarm warnings when unacceptable CO and CO2 levels are present

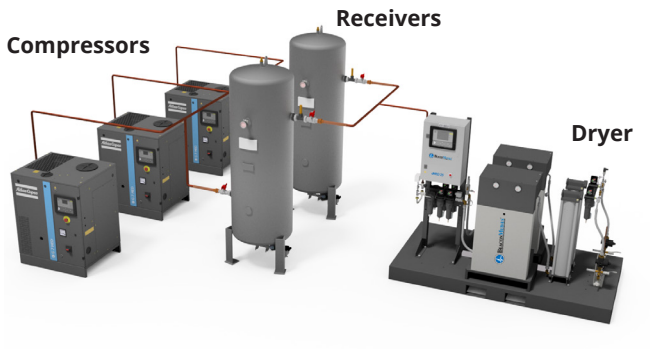
Condensate Management Options

Oil/water separator	
OSS 900/1500/1800 (L/min) at 20/25/35 degrees celcius - metric	8102046466
OSS 900/1500/1800 (L/min) at 20/25/35 degrees celcius - imperial	8102046458

* Suitable for smaller compressors G7-11

Oil/water separator	
OSC35 2100 (L/min)	8102 0452 45
OSC95 5700 (L/min)	8102 0452 52
OSC145 8700 (L/min)	8102 0452 60
OSC355 21300 (L/min)	8102 0452 78

Typical Layout



Note:

Interconnecting pipework (brown illustration) between components to be made on site and provided by the installer. Controller CAN cables are provided as a 10m assembly with each compressor which can be shortened on site if required.

Combined Air Plant Sizing Guide

In HTM02-01, the relative size of receiver capacity and compressor capacity on surgical air or combined medical/surgical air systems changes according to the design flow rate. In order to correctly calculate the receiver capacity and compressor capacity, both the medical and surgical design flow-rates (DF's) are required. It should be noted that for all combined air systems, an additional duplex regulating station (ordered separately) is needed to supply the medical air pipeline.

Surgical Air Compressors	
Design Flow (L/min)	**Value 'A' FAD (l)**
<500	0.33 x DF
500-3500	0.66 x DF
>3500	0.5 x DF

Table 1: Surgical Air Plant Flow Rate Multiplier Value 'A'

Example 1 - Small Day Treatment Centre (Upgrade)

Flow Rate and Dryer Sizing
Medical Air DF = 555 l/min (FAD) (4 Bar)
Surgical Air DF = 1138 l/min (FAD) (7 Bar)
Combined/total DF = 1693 l/min (FAD) (10 Bar high pressure system)

A dryer greater than 1693 l/min outlet flow should be selected
(outlet flow is the inlet flow minus purge losses)
= dMED25 inlet flow 2025 l/min, outlet flow 1746 l/min

Flow Rate and Compressor Sizing
From Table 1 surgical air DF is between 500-3500 l/min, so the multiplying factor 'A' = 0.66

Compressor flow rate = Med. DF + (Surg. DF x A)
= 555 + (1138 x 0.66)
= 555 + 751
= 1306 l/min

We also need to add the purge losses to the compressor output. For additional purge consumption use:-
dMED inlet - dMED outlet = purge losses lpm
= 2025 - 1746 = 279 l/min

Compressors should be selected with a flow rate greater than
1306 l/min + 279 l/min = 1585 l/min

Receiver Sizing
From Table 2 surgical air DF is between 500-2000 l/min, so the multiplying factor 'B' = 2 x 2/3

Capacity = (Med. DF x 0.5) + (Surg. DF x B)
= (555 x 0.5) + (1138 x 2 x 2/3)
= 278 + 1518
= 1796 litres

A combination of receivers with a minimum number of 2 should be selected

Selected receiver capacity = 2000 litres (2 x 1000 litre)

Plant System Selection
Selected plant part number = cAIR-1746-TGF10

If no standard model is available for selection from the standard range a bespoke configuration of dryer, compressors and receivers are available and can be quoted by our sales and sales support teams.

Surgical Air Receivers	
Design Flow (L/min)	**Value 'B' Receiver water capacity (l)**
<500	1 x 200% x DF
500-2000	2 x 66.6% x DF
2001-3500	2 x 50% x DF
>3500	3 x 33.3% x DF

Table 2: Surgical Air Receiver Multiplier Value 'B'.

Example 2 - Large District Hospital

Flow Rate and Dryer Sizing
Medical Air DF = 4920 l/min (FAD) (4 Bar)
Surgical Air DF =2888 l/min (FAD) (11 Bar)
Combined/total DF = 7808 l/min (FAD) (10 Bar high pressure system)

A dryer greater than 7808 l/min should be selected
(outlet flow is the inlet flow minus purge losses)
= dMED145 inlet flow 11745 l/min, outlet flow 10124 l/min

Flow Rate and Compressor Sizing
From Table 1 surgical air DF is between 500-3500 l/min, so the multiplying factor 'A' = 0.66

Plant flow rate = Med. DF + (Surg. DF x Value 'A')
= 4920 + (2888 x 0.66)
= 4920 + 1907
= 6827 l/min

We also need to add the purge losses to the compressor output. For additional purge consumption use:-

dMED inlet - dMED outlet = purge losses lpm
= 11745 - 10124 = 1621 l/min

Compressors should be selected with a flow rate greater than
6827 l/min + 1621 l/min = 8448 l/min
Receiver Sizing
From Table 2 surgical air DF is between 2001-3500 l/min, so the multiplying factor 'B' = 2 x 1/2

Capacity = (Med. DF x 0.5) + (Surg. DF x B)
= (4920 x 0.5) + (2888 x 2 x 1/2)
= 2460 + 2888
= 5348 litres

A combination of receivers with a minimum number of 2 should be selected

Selected receiver capacity = 6000 litres (3 x 2000 litre)

Plant System Selection
Selected plant part number = n/a - special configuration required

If no standard model is available for selection from the standard range a bespoke configuration of dryer, compressors and receivers are available and can be quoted by our sales and sales support teams.

Receiver Selection Table

Steel, powder coated ML Approval

Receiver Capacity (litres)	300	500	1000	1500	2000	3000
Maximum working pressure (bar)	11	11	11	11	11	11
Individual Receiver Dimensions (diameter, height, mm)	500/1750	590/1982	800/2480	900/2872	1000/3075	1200/3548
Receiver Weight (kg)	155	178	380	600	800	1000
Receiver pipe size (mm)	28	28	42	42	42	42
Receiver Part Number	4109500506	4109500507	4109500508	4109500531	4109500509	4109500528
Receiver Accessory Kit	4109400407	4109400408	4109400409	4109400436	4109400410	4109400434

Receiver Capacity (litres)	300	500	1000	1500	2000	3000
Maximum working pressure (bar)	14	14	14	14	14	14
Individual Receiver Dimensions (diameter, height, mm)	500/1750	590/1982	800/2480	900/2872	1000/3075	1200/3548
Receiver Weight (kg)	155	178	380	600	800	1000
Receiver pipe size (mm)	28	28	42	42	42	42
Receiver Part Number	4109500526	4109500527	4109500524	4109500532	4109500525	4109500529
Receiver Accessory Kit	4109400430	4109400431	4109400432	4109400437	4109400433	4109400435

* Accessory kit for medical air receiver complete with data plate, pressure safety valve, zero-loss electronic drain valve (with isolation and bypass valve), pressure gauge (with isolation valve), copper inlet and outlet connection pipes (each with isolation valve).

Compressor Selection Table - Fixed Speed 50Hz

Model Name	G7 MED	G11 MED	G15 MED	G18 MED	G22 MED
Output flow (L/min) 7.5bar Variant*	1218	1746	2622	3318	3750
Output flow (L/min) 10bar Variant*	1014	1458	2166	2742	3108
Output flow (L/min) 13bar Variant*	786	1200	1830	2250	2700
Footprint LxWxH (mm)	767 x 623 x 972	767 x 623 x 972	1002 x 750 x 1175	1002 x 750 x 1175	1002 x 750 x 1175
Compressor Weight(kg)	221	238	378	406	421
Service Connection(mm)	22	22	28	28	28
Noise level/pump (dB[A])	66	67	71	71	72
Max ambient temperature(° C)	46	46	46	46	46
Supply voltage (v)	400	400	400	400	400
Supply frequency (Hz)	50	50	50	50	50
Nominal motor rating (kW)	7	11	15	18	22
Full load current per compressor (A)	20.4	29.4	43.8	54.8	63.3
Approx. starting current (A)	61	88	110	138	180
Customer fuse rate** (A)	25	40	50	63	80
Cooling air flow per compressor(m^3/s)	0.8	1	0.5	0.7	1.1
Part Number - 7.5 bar ML	4109000100	4109000103	4109000106	4109000109	4109000112
Part Number - 10 bar ML	4109000101	4109000104	4109000107	4109000110	4109000113
Part Number - 13 bar ML	4109000102	4109000105	4109000108	4109000111	4109000114
Drawing Number	4109950033	4109950033	4109950034	4109950034	4109950034

* Output flow stated at reference conditions ** Fuse type aM is recommended, but gG/gL type is also allowed

Compressor Selection Table - Fixed Speed 60 Hz

Model Name	G7 MED	G11 MED	G15 MED	G18 MED	G22 MED
Output flow (L/min) 7.5bar Variant*	1218	1746	2622	3318	3750
Output flow (L/min) 10bar Variant*	1014	1458	2166	2742	3108
Output flow (L/min) 13bar Variant*	786	1200	1830	2250	2700
Footprint LxWxH (mm)	767 x 623 x 972	767 x 623 x 972	1002 x 750 x 1175	1002 x 750 x 1175	1002 x 750 x 1175
Compressor Weight(kg)	221	238	378	406	421
Service Connection(mm)	22	22	28	28	28
Noise level/pump (dB[A])	67	68	72	72	73
Max ambient temperature(° C)	46	46	46	46	46
Supply voltage (v)	380	380	380	380	380
Supply frequency (Hz)	60	60	60	60	60
Nominal motor rating (kW)	7.5	11	15	18.5	22
Full load current per compressor (A)	22.3	32.6	47.7	61.2	70.9
Approx. starting current (A)	106	146	104	125	164
Customer fuse rate** (A)	40	50	63	63	80
Cooling air flow per compressor(m^3/s)	0.8	1	0.6	0.7	1
Part Number - 7.5 bar ML	4109000160	4109000163	4109000166	4109000169	4109000172
Part Number - 10 bar ML	4109000161	4109000164	4109000167	4109000170	4109000173
Part Number - 13 bar ML	4109000162	4109000165	4109000168	4109000171	4109000174
Drawing Number	4109950033	4109950033	4109950034	4109950034	4109950034

* Output flow stated at reference conditions ** Fuse type aM is recommended, but gG/gL type is also allowed

Dryer Selection Table

Model Name	dMED7	dMED15	dMED25	dMED35	dMED45	dMED65	dMED80	dMED100	dMED145
Inlet flow at 7.5 bar (L/min)	420	900	1500	2100	2700	3900	4800	6000	8700
Output flow (L/min) at 4 bar line pressure *	342	733	1222	1711	2200	3178	3912	4860	7090
Inlet flow at 10 bar (L/min)	504	1080	1800	2520	3240	4680	5760	7200	10440
Output flow (L/min) at 7 bar line pressure *	426	914	1523	2132	2741	3959	4873	6091	8832
Inlet flow at 13 bar (L/min)	567	1215	2025	2835	3645	5265	6480	8100	11745
Output flow (L/min) at 10 bar line pressure *	489	1047	1746	2444	3142	4538	5586	6982	10124
Footprint L x W x H (mm)	2120 x 1130 x 1590	2120 x 1130 x 1590	2120 x 1130 x 1590	2120 x 1130 x 1590	2120 x 1130 x 1590	2120 x 1130 x 1760	2120 x 1470 x 1590	2120 x 1470 x 1610	2120 x 1470 x 2060
Dryer weight (kg)	434	436	448	450	502	607	724	793	919
Inlet and outlet connections (mm)	15	15	15	28	28	28	28	42	42
Supply voltage (v)	230	230	230	230	230	230	230	230	230
Supply frequency (Hz)	50	50	50	50	50	50	50	50	50
Central control supply - single phase (mm2/Amps)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)
Part Number - dryer at 4 bar outlet + QDT hopcolite filter for EurPh	8102 3701 84 0000 0203 58	8102 3701 60 0000 0203 58	8102 3701 63 0000 0203 71	8102 3701 66 0000 0203 71	8102 3701 69 0000 0203 72	8102 3701 72 0000 0203 73	8102 3701 75 0000 0203 73	8102 3701 78 0000 0203 74	8102 3701 81 0000 0203 75
Part Number - dryer at 7 bar outlet + QDT hopcolite filter for EurPh	8102 3701 85 0000 0203 58	8102 3701 61 0000 0203 58	8102 3701 64 0000 0203 71	8102 3701 67 0000 0203 71	8102 3701 70 0000 0203 72	8102 3701 73 0000 0203 73	8102 3701 76 0000 0203 73	8102 3701 79 0000 0203 74	8102 3701 82 0000 0203 75
Part Number - dryer at 10 bar outlet + QDT hopcolite filter for EurPh	8102 3701 86 0000 0203 58	8102 3701 62 0000 0203 58	8102 3701 65 0000 0203 71	8102 3701 68 0000 0203 71	8102 3701 71 0000 0203 72	8102 3701 74 0000 0203 73	8102 3701 77 0000 0203 73	8102 3701 80 0000 0203 74	8102 3701 83 0000 0203 75
Drawing Number	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28	2212 0205 28

* Output flow stated includes calculated purge lost during the regeneration process of between 15-19% depending on model and inlet pressure.

Notes on plant:

- Design flow in terms of free air delivered after losses at working pressure with the reserve compressor(s) on standby. Tolerance ±5%.
- Component dimensions supplied do not include maintenance access space, and are provided to allow customer to arrange plant components within plant room. Complete installation drawings are available on request. Quote the drawing number required.
- Duplex systems must be installed with a manifold as the third source of supply for HTM02-01 compliance.
- Mean sound level in accordance with ISO 2151.
- Electrical details are provided for guidance only. Site conditions may impose a larger cable size. For exact cable sizing and fuse/MCB ratings, consult a qualified electrical engineer.

Dryer Options

Purge Saver for dMED Air Purifier	0000 0203 52

CO and CO2 sensors for dMED Air Purifier	0000 0203 69
CO sensor for dMED Air Purifier	0000 0203 56
CO2 sensor for dMED Air Purifier	0000 0203 57

EWD on WSD and filters	0000 0203 70

QDT saturation indicator	0000 0203 59

* Only up to 10bar

QDT13 dMED7-13 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 58
QDT35 dMED25-35 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 71
QDT50 dMED50 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 72
QDT80 dMED70-80 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 73
QDT100 dMED100 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 74
QDT145 dMED145 Hopcolite catalyst - carbon monoxide filter for 100% guaranty of EurPh level of air purity	0000 0203 75

* T0he QDT Option is included as standard with all pre-configured air plant systems using oil flooded compressors, in order to Guaranty compliance with european pharmocopheia air quality standard. For regions with good air quality this option may not be required - your sales representative can provide a discount to leave out this option upon request.

** If this option is not installed in the factory it can easily be upgraded in the field at a future date if required by replacing the spring with the hopcolite bag (see picture opposite).

*** This option is only required for HTM02-01 and HTM2022 EurPh (where HTM2022 only recommended EurPh air quality rather than stating it was required). For HTM2022 only this option can be removed if air quality conditions are good - your sales representative can provide a discount to leave out this option.

QDT TOWER ILLUSTRATING OPTION TO REMOVE THE HOPCOLITE FILTER

Standard Models 50 Hz

HTM02-01 Medical Air 4 bar – 50 Hz
G MED Fixed Speed Screw Compressors

Model Number	mAIR-940-TGF4 HTM02-01 50Hz WUX	mAIR-1357-TGF4 HTM02-01 50Hz WUX	mAIR-2122-TGF4 HTM02-01 50Hz WUX	mAIR-2596-TGF4 HTM02-01 50Hz WUX	mAIR-3032-TGF4 HTM02-01 50Hz WUX	mAIR-4000-QGF4 HTM02-01 50Hz WUX	mAIR-5026-QGF4 HTM02-01 50Hz WUX	mAIR-5897-QGF4 HTM02-01 50Hz WUX	mAIR-6256-PGF4 HTM02-01 50Hz WUX
Design Flow (L/min) *	940	1357	2122	2596	3032	4000	5026	5897	6256
Compressor Model	G7 MED 7.5 bar	G11 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar
Number of Compressors	3	3	3	3	3	4	4	4	5
Dryer Model	dMED25 7.5-4	dMED35 7.5-4	dMED45 7.5-4	dMED65 7.5-4	dMED65 7.5-4	dMED100 7.5-4	dMED145 7.5-4	dMED145 7.5-4	dMED145 7.5-4
Vessel Size (L)	300	500	1000	1000	1000	1000	1500	1500	2000
Number of Vessels	2	2	2	2	2	2	2	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM02-01 Combined Medical & Surgical Air 7 bar – 50 Hz
G MED Fixed Speed Screw Compressors

Model Number	cAIR-914-TGF7 HTM02-01 50Hz WUX	cAIR-1423-TGF7 HTM02-01 50Hz WUX	cAIR-2131-TGF7 HTM02-01 50Hz WUX	cAIR-2705-TGF7 HTM02-01 50Hz WUX	cAIR-2741-TGF7 HTM02-01 50Hz WUX	cAIR-3959-QGF7 HTM02-01 50Hz WUX	cAIR-4873-QGF7 HTM02-01 50Hz WUX	cAIR-6091-QGF7 HTM02-01 50Hz WUX	cAIR-6171-PGF7 HTM02-01 50Hz WUX	cAIR-8832-PGF7 HTM02-01 50Hz WUX
Design Flow* (L/min)	914	1423	2131	2705	2741	3959	4873	6091	6171	8832
Actual Plant Flow	848	1181	1854.4	2245.4	2603	3765.8	4601.8	5095	5122.2	6625.2
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar
Number of Compressors	3	3	3	3	3	4	4	4	5	5
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED45 10-7	dMED65 10-7	dMED80 10-7	dMED100 10-7	dMED145 10-7	dMED145 10-7
Vessel Size (L)	1000	1000	1000	1500	1500	2000	2000	3000	3000	3000
Number of Vessels	2	2	2	2	2	2	2	2	2	3

* Plant based on a 50/50 split of medical and surgical air design flow

HTM02-01 Combined Medical & Surgical Air 10 bar – 50 Hz
G MED Fixed Speed Screw Compressors

Model Number	cAIR-929-TGF10 HTM02-01 50Hz WUX	cAIR-1047-TGF10 HTM02-01 50Hz WUX	cAIR-1746-TGF10 HTM02-01 50Hz WUX	cAIR-2183-TGF10 HTM02-01 50Hz WUX	cAIR-2444-TGF10 HTM02-01 50Hz WUX	cAIR-3142-QGF10 HTM02-01 50Hz WUX	cAIR-4538-QGF10 HTM02-01 50Hz WUX	cAIR-5333-QGF10 HTM02-01 50Hz WUX	cAIR-6775-PGF10 HTM02-01 50Hz WUX	cAIR-8718-PGF10 HTM02-01 50Hz WUX	cAIR-9823-HGF10 HTM02-01 50Hz WUX	cAIR-10124-HGF10 HTM02-01 50Hz WUX
Design Flow (L/min) *	929	1047	1746	2183	2444	3142	4538	5333	6775	8718	9823	10124
Actual Plant Flow	618	1032	1539.6	1856	2328.8	3134.2	3767	4545.6	5623	6538.4	7367	9258.2
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar
Number of Compressors	3	3	3	3	3	4	4	4	5	5	6	6
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED65 13-10	dMED80 13-10	dMED100 13-10	dMED145 13-10	dMED145 13-10	dMED145 13-10
Vessel Size (L)	1000	500	1000	1000	1500	1500	2000	2000	3000	3000	3000	3000
Number of Vessels	2	2	2	2	2	2	2	2	2	3	3	3

* Plant based on a 50/50 split of medical and surgical air design flow

HTM02-01 Surgical Air 7 bar – 50 Hz
G MED Fixed Speed Screw Compressors

Model Number	sAIR-914-SGF7 HTM02-01 50Hz WUX	sAIR-1117-SGF7 HTM02-01 50Hz WUX	sAIR-1502-SGF7 HTM02-01 50Hz WUX	sAIR-1620-SGF7 HTM02-01 50Hz WUX	sAIR-2131-SGF7 HTM02-01 50Hz WUX	sAIR-2741-SGF7 HTM02-01 50Hz WUX	sAIR-3000-SGF7 HTM02-01 50Hz WUX	sAIR-3959-SGF7 HTM02-01 50Hz WUX
Design Flow (L/min)	914	1117	1502	1620	2131	2741	3000	3959
Actual Plant Flow (L/min)	848	737	1181	1069	1854.4	2245.4	2023.4	2381
Compressor Model	G7 MED 10 bar	G7 MED 10 bar	G11 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	1	1	1	1	1	1	1	1
Dryer Model	dMED15 10-7	dMED25 10-7	dMED25 10-7	dMED35 10-7	dMED35 10-7	dMED45 10-7	dMED65 10-7	dMED65 10-7
Vessel Size (L)	1000	1000	1000	1500	1500	1500	1500	2000
Number of Vessels	2	2	2	2	2	2	2	2

HTM02-01 Surgical Air 10 bar – 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-936-SGF10 HTM02-01 50Hz WUX	sAIR-1047-SGF10 HTM02-01 50Hz WUX	sAIR-1395-SGF10 HTM02-01 50Hz WUX	sAIR-1746-SGF10 HTM02-01 50Hz WUX	sAIR-2163-SGF10 HTM02-01 50Hz WUX	sAIR-2444-SGF10 HTM02-01 50Hz WUX	sAIR-2642-SGF10 HTM02-01 50Hz WUX	sAIR-3142-SGF10 HTM02-01 50Hz WUX	sAIR-3986-SGF10 HTM02-01 50Hz WUX
Design Flow (L/min)	936	1047	1395	1746	2163	2444	2642	3142	3986
Actual Plant Flow (L/min)	618	1032	921	1527	1415	1841	1729	2197	1973
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G22 MED 13 bar
Number of Compressors	1	1	1	1	1	1	1	1	1
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED45 13-10	dMED65 13-10
Vessel Size (L)	1000	1000	1000	1500	1500	1500	1500	2000	2000
Number of Vessels	2	2	2	2	2	2	2	2	2

HTM 2022 Medical Air 4 bar - 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	mAIR-940-DGF4 HTM2022 50Hz WUX	mAIR-1357-DGF4 HTM2022 50Hz WUX	mAIR-2122-DGF4 HTM2022 50Hz WUX	mAIR-2596-DGF4 HTM2022 50Hz WUX	mAIR-3000-DGF4 HTM2022 50Hz WUX	mAIR-4000-TGF4 HTM2022 50Hz WUX	mAIR-5026-TGF4 HTM2022 50Hz WUX	mAIR-5897-TGF4 HTM2022 50Hz WUX	mAIR-6256-QGF4 HTM2022 50Hz WUX
Design Flow* (L/min)	940	1357	2122	2596	3000	4000	5026	5897	6256
Compressor Model	G7 MED 7.5 bar	G11 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar
Number of Compressors	2	2	2	2	2	3	3	3	4
Dryer Model	dMED25 7.5-4	dMED35 7.5-4	dMED45 7.5-4	dMED65 7.5-4	dMED65 7.5-4	dMED100 7.5-4	dMED145 7.5-4	dMED145 7.5-4	dMED145 7.5-4
Vessel Size (L)	500	1000	1500	1500	1500	2000	3000	3000	2000
Number of Vessels	1	1	1	1	1	1	1	1	2

* Actual plant flow is equal to Design Flow (DF)

HTM 2022 Combined Medical and Surgical Air 7 bar - 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-848-DGF7 HTM2022 50Hz WUX	cAIR-1181-DGF7 HTM2022 50Hz WUX	cAIR-1854-DGF7 HTM2022 50Hz WUX	cAIR-2245-DGF7 HTM2022 50Hz WUX	cAIR-2603-DGF7 HTM2022 50Hz WUX	cAIR-3765-TGF7 HTM2022 50Hz WUX	cAIR-4601-TGF7 HTM2022 50Hz WUX	cAIR-5095-TGF7 HTM2022 50Hz WUX	cAIR-5621-QGF7 HTM2022 50Hz WUX	cAIR-6625-QGF7 HTM2022 50Hz WUX	cAIR-7698-QGF7 HTM2022 50Hz WUX
Design Flow* (L/min)	848	1181	1854	2245	2603	3766	4602	5095	5621	6625	7698
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	2	2	2	2	2	3	3	3	4	4	4
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED45 10-7	dMED65 10-7	dMED80 10-7	dMED100 10-7	dMED100 10-7	dMED145 10-7	dMED145 10-7
Vessel Size (L)	500	1000	1000	1500	1500	2000	3000	3000	3000	2000	2000
Number of Vessels	1	1	1	1	1	1	1	1	1	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM 2022 Combined Medical and Surgical Air 10 bar - 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-600-DGF10 HTM2022 50Hz WUX	cAIR-1000-DGF10 HTM2022 50Hz WUX	cAIR-1540-DGF10 HTM2022 50Hz WUX	cAIR-1856-DGF10 HTM2022 50Hz WUX	cAIR-2329-DGF10 HTM2022 50Hz WUX	cAIR-3134-TGF10 HTM2022 50Hz WUX	cAIR-3767-TGF10 HTM2022 50Hz WUX	cAIR-4546-TGF10 HTM2022 50Hz WUX	cAIR-5623-QGF10 HTM2022 50Hz WUX	cAIR-6982-QGF10 HTM2022 50Hz WUX	cAIR-7367-PGF10 HTM2022 50Hz WUX
Design Flow* (L/min)	600	1000	1540	1856	2329	3134	3767	4546	5623	6982	7367
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G15 MED 13 bar	GA18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar
Number of Compressors	2	2	2	2	2	3	3	3	4	4	5
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED65 13-10	dMED80 13-10	dMED100 13-10	dMED100 13-10	dMED145 13-10
Vessel Size (L)	300	500	1000	1000	1500	2000	2000	3000	3000	2000	2000
Number of Vessels	1	1	1	1	1	1	1	1	1	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM2022 Surgical Air 7 bar - 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-848-SGF7 HTM2022 50Hz WUX	sAIR-1181-SGF7 HTM2022 50Hz WUX	sAIR-1854-SGF7 HTM2022 50Hz WUX	sAIR-2245-SGF7 HTM2022 50Hz WUX	sAIR-2603-SGF7 HTM2022 50Hz WUX
Design Flow* (L/min)	848	1181	1854.4	2245.4	2603
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	1	1	1	1	1
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED45 10-7
Vessel Size (L)	500	1000	1000	2000	2000
Number of Vessels	1	1	1	1	1

* Actual plant flow is equal to Design Flow (DF)

HTM2022 Surgical Air 10 bar - 50 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-600-SGF10 HTM2022 50Hz WUX	sAIR-1000-SGF10 HTM2022 50Hz WUX	sAIR-1540-SGF10 HTM2022 50Hz WUX	sAIR-1856-SGF10 HTM2022 50Hz WUX	sAIR-2329-SGF10 HTM2022 50Hz WUX
Design Flow* (L/min)	600	1000	1539.6	1856	2328.8
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar
Number of Compressors	1	1	1	1	1
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10
Vessel Size (L)	300	500	1000	1000	2000
Number of Vessels	1	1	1	1	1

* Actual plant flow is equal to Design Flow (DF)

Standard Models 60 Hz

HTM02-01 Medical Air 4 bar – 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	mAIR-940-TGF4 HTM02-01 60Hz WUX	mAIR-1357-TGF4 HTM02-01 60Hz WUX	mAIR-2110-TGF4 HTM02-01 60Hz WUX	mAIR-2398-TGF4 HTM02-01 60Hz WUX	mAIR-3094-TGF4 HTM02-01 60Hz WUX	mAIR-4000-QGF4 HTM02-01 60Hz WUX	mAIR-4630-QGF4 HTM02-01 60Hz WUX	mAIR-6000-QGF4 HTM02-01 60Hz WUX	mAIR-6220-PGF4 HTM02-01 60Hz WUX
Design Flow* (L/min)	940	1357	2110	2398	3094	4000	4630	6000	6220
Compressor Model	G7 MED 7.5 bar	G11 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar
Number of Compressors	3	3	3	3	3	4	4	4	5
Dryer Model	dMED25 7.5-4	dMED35 7.5-4	dMED45 7.5-4	dMED65 7.5-4	dMED65 7.5-4	dMED100 7.5-4	dMED145 7.5-4	dMED145 7.5-4	dMED145 7.5-4
Vessel Size (L)	300	500	1000	1000	1000	1000	1500	1500	2000
Number of Vessels	2	2	2	2	2	2	2	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM02-01 Combined Medical & Surgical Air 7 bar – 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-914-TGF7 HTM02-01 60Hz WUX	cAIR-1423-TGF7 HTM02-01 60Hz WUX	cAIR-2090-TGF7 HTM02-01 60Hz WUX	cAIR-2572-TGF7 HTM02-01 60Hz WUX	cAIR-3129-TGF7 HTM02-01 60Hz WUX	cAIR-3959-QGF7 HTM02-01 60Hz WUX	cAIR-4873-QGF7 HTM02-01 60Hz WUX	cAIR-6091-QGF7 HTM02-01 60Hz WUX	cAIR-8392-PGF7 HTM02-01 60Hz WUX	cAIR-8832-PGF7 HTM02-01 60Hz WUX
Design Flow* (L/min)	914	1423	2090	2572	3129	3959	4873	6091	8392	8832
Actual Plant Flow	848	1181	1735	2135	2597	3527	4381	5527	6294	8346
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15P MED 10 bar	G18 MED 10 bar	G22P MED A 10 ML 380V60Hz FM	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	3	3	3	3	3	4	4	4	5	5
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED65 10-7	dMED65 10-7	dMED80 10-7	dMED100 10-7	dMED145 10-7	dMED145 10-7
Vessel Size (L)	1000	1000	1000	1500	1500	2000	2000	3000	3000	3000
Number of Vessels	2	2	2	2	2	2	2	2	3	3

* Plant based on a 50/50 split of medical and surgical air design flow.

HTM02-01 Combined Medical & Surgical Air 10 bar – 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-929-TGF10 HTM02-01 60Hz WUX	cAIR-1047-TGF10 HTM02-01 60Hz WUX	cAIR-1746-TGF10 HTM02-01 60Hz WUX	cAIR-2218-TGF10 HTM02-01 60Hz WUX	cAIR-2444-TGF10 HTM02-01 60Hz WUX	cAIR-2647-TGF10 HTM02-01 60Hz WUX	cAIR-3142-QGF10 HTM02-01 60Hz WUX	cAIR-4502-QGF10 HTM02-01 60Hz WUX	cAIR-5429-QGF10 HTM02-01 60Hz WUX	cAIR-6720-PGF10 HTM02-01 60Hz WUX	cAIR-8639-PGF10 HTM02-01 60Hz WUX	cAIR-9743-HGF10 HTM02-01 60Hz WUX	cAIR-10124-HGF10 HTM02-01 60Hz WUX
Design Flow (L/min)	929	1047	1746	2218	2444	2647	3142	4502	5429	6720	8639	9743	10124
Actual Plant Flow	618	1032	1527	1841	2309	2197	3109	3737	4506	5578	6479	7307	9179
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G22 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar
Number of Compressors	3	3	3	3	3	3	4	4	4	5	5	6	6
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED45 13-10	dMED65 13-10	dMED80 13-10	dMED100 13-10	dMED145 13-10	dMED145 13-10	dMED145 13-10
Vessel Size (L)	1000	500	1000	1500	1500	1500	1500	2000	3000	3000	3000	3000	3000
Number of Vessels	2	2	2	2	2	2	2	2	2	2	3	3	3

* Plant based on a 50/50 split of medical and surgical air design flow.

HTM02-01 Surgical Air 7 bar – 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-914-SGF7 HTM02-01 60Hz WUX	sAIR-1117-SGF7 HTM02-01 60Hz WUX	sAIR-1502-SGF7 HTM02-01 60Hz WUX	sAIR-1620-SGF7 HTM02-01 60Hz WUX	sAIR-2131-SGF7 HTM02-01 60Hz WUX	sAIR-2462-SGF7 HTM02-01 60Hz WUX	sAIR-2741-SGF7 HTM02-01 60Hz WUX	sAIR-2898-SGF7 HTM02-01 60Hz WUX	sAIR-3959-SGF7 HTM02-01 60Hz WUX
Design Flow (L/min)	914	1117	1502	1620	2131	2462	2741	2898	3959
Actual Plant Flow	848	737	1181	1069	1735	1625	2135	1913	2597
Compressor Model	G7 MED 10 bar	G7 MED 10 bar	G11 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	1	1	1	1	1	1	1	1	1
Dryer Model	dMED15 10-7	dMED25 10-7	dMED25 10-7	dMED35 10-7	dMED35 10-7	dMED45 10-7	dMED45 10-7	dMED65 10-7	dMED65 10-7
Vessel Size (L)	1000	1000	1000	1500	1500	1500	1500	1500	2000
Number of Vessels	2	2	2	2	2	2	2	2	2

HTM02-01 Surgical Air 10 bar – 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-936-SGF10 HTM02-01 60Hz WUX	sAIR-1047-SGF10 HTM02-01 60Hz WUX	sAIR-1395-SGF10 HTM02-01 60Hz WUX	sAIR-1746-SGF10 HTM02-01 60Hz WUX	sAIR-2144-SGF10 HTM02-01 60Hz WUX	sAIR-2444-SGF10 HTM02-01 60Hz WUX	sAIR-2620-SGF10 HTM02-01 60Hz WUX	sAIR-3142-SGF10 HTM02-01 60Hz WUX	sAIR-3946-SGF10 HTM02-01 60Hz WUX
Design Flow (L/min)	936	1047	1395	1746	2144	2444	2620	3142	3946
Actual Plant Flow (L/min)	618	1032	921	1527	1415	1841	1729	2197	1973
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G22 MED 13 bar
Number of Compressors	1	1	1	1	1	1	1	1	1
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED45 13-10	dMED65 13-10
Vessel Size (L)	1000	1000	1000	1500	1500	1500	1500	2000	2000
Number of Vessels	2	2	2	2	2	2	2	2	2

HTM 2022 Medical Air 4 bar - 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	mAIR-940-DGF4 HTM2022 60Hz WUX	mAIR-1357-DGF4 HTM2022 60Hz WUX	mAIR-2110-DGF4 HTM2022 60Hz WUX	mAIR-2398-DGF4 HTM2022 60Hz WUX	mAIR-3000-DGF4 HTM2022 60Hz WUX	mAIR-4000-TGF4 HTM2022 60Hz WUX	mAIR-4630-TGF4 HTM2022 60Hz WUX	mAIR-6000-TGF4 HTM2022 60Hz WUX	mAIR-6220-QGF4 HTM2022 60Hz WUX
Design Flow* (L/min)	940	1357	2110	2398	3000	4000	4630	6000	6220
Compressor Model	G7 MED 7.5 bar	G11 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar	G18 MED 7.5 bar	G22 MED 7.5 bar	G15 MED 7.5 bar
Number of Compressors	2	2	2	2	2	3	3	3	4
Dryer Model	dMED25 7.5-4	dMED35 7.5-4	dMED45 7.5-4	dMED65 7.5-4	dMED65 7.5-4	dMED100 7.5-4	dMED145 7.5-4	dMED145 7.5-4	dMED145 7.5-4
Vessel Size (L)	500	1000	1500	1500	1500	2000	3000	3000	2000
Number of Vessels	1	1	1	1	1	1	1	1	2

* Actual plant flow is equal to Design Flow (DF)

HTM 2022 Combined Medical and Surgical Air 7 bar - 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-848-DGF7 HTM2022 60Hz WUX	cAIR-1181-DGF7 HTM2022 60Hz WUX	cAIR-1735-DGF7 HTM2022 60Hz WUX	cAIR-2135-DGF7 HTM2022 60Hz WUX	cAIR-2597-DGF7 HTM2022 60Hz WUX	cAIR-3527-TGF7 HTM2022 60Hz WUX	cAIR-4381-TGF7 HTM2022 60Hz WUX	cAIR-5527-TGF7 HTM2022 60Hz WUX	cAIR-6294-QGF7 HTM2022 60Hz WUX	cAIR-8346-QGF7 HTM2022 60Hz WUX	cAIR-8832-PGF7 HTM2022 60Hz WUX
Design Flow* (L/min)	848	1181	1735	2135	2597	3527	4381	5527	6294	8346	8832
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar	G18 MED 10 bar
Number of Compressors	2	2	2	2	2	3	3	3	4	4	5
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED65 10-7	dMED65 10-7	dMED80 10-7	dMED100 10-7	dMED145 10-7	dMED145 10-7	dMED145 10-7
Vessel Size (L)	500	1000	1000	1500	1500	2000	3000	3000	2000	3000	3000
Number of Vessels	1	1	1	1	1	1	1	1	2	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM 2022 Combined Medical and Surgical Air 10 bar - 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	cAIR-600-DGF10 HTM2022 60Hz WUX	cAIR-1000-DGF10 HTM2022 60Hz WUX	cAIR-1527-DGF10 HTM2022 60Hz WUX	cAIR-1841-DGF10 HTM2022 60Hz WUX	cAIR-2309-DGF10 HTM2022 60Hz WUX	cAIR-3000-TGF10 HTM2022 60Hz WUX	cAIR-3737-TGF10 HTM2022 60Hz WUX	cAIR-4506-TGF10 HTM2022 60Hz WUX	cAIR-5578-QGF10 HTM2022 60Hz WUX	cAIR-6982-QGF10 HTM2022 60Hz WUX	cAIR-7307-PGF10 HTM2022 60Hz WUX	cAIR-9179-PGF10 HTM2022 60Hz WUX
Design Flow* (L/min)	600	1000	1527	1841	2309	3000	3737	4506	5578	6982	7307	9179
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar
Number of Compressors	2	2	2	2	2	3	3	3	4	4	5	5
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10	dMED45 13-10	dMED65 13-10	dMED80 13-10	dMED100 13-10	dMED100 13-10	dMED145 13-10	dMED145 13-10
Vessel Size (L)	300	500	1000	1000	1500	1500	2000	3000	3000	2000	2000	3000
Number of Vessels	1	1	1	1	1	1	1	1	1	2	2	2

* Actual plant flow is equal to Design Flow (DF)

HTM2022 Surgical Air 7 bar - 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-848-SGF7 HTM2022 60Hz WUX	sAIR-1181-SGF7 HTM2022 60Hz WUX	sAIR-1735-SGF7 HTM2022 60Hz WUX	sAIR-2135-SGF7 HTM2022 60Hz WUX	sAIR-2597-SGF7 HTM2022 60Hz WUX
Design Flow* (L/min)	848	1181	1735	2135	2597
Compressor Model	G7 MED 10 bar	G11 MED 10 bar	G15 MED 10 bar	G18 MED 10 bar	G22 MED 10 bar
Number of Compressors	1	1	1	1	1
Dryer Model	dMED15 10-7	dMED25 10-7	dMED35 10-7	dMED45 10-7	dMED65 10-7
Vessel Size (L)	500	1000	1000	2000	2000
Number of Vessels	1	1	1	1	1

* Actual plant flow is equal to Design Flow (DF)

HTM2022 Surgical Air 10 bar - 60 Hz
G MED Fixed Speed Screw Compressors

Plant Model	sAIR-600-SGF10 HTM2022 60Hz WUX	sAIR-1000-SGF10 HTM2022 60Hz WUX	sAIR-1540-SGF10 HTM2022 60Hz WUX	sAIR-1856-SGF10 HTM2022 60Hz WUX	sAIR-2329-SGF10 HTM2022 60Hz WUX
Design Flow* (L/min)	600	1000	1539.6	1856	2328.8
Compressor Model	G7 MED 13 bar	G11 MED 13 bar	G15 MED 13 bar	G18 MED 13 bar	G22 MED 13 bar
Number of Compressors	1	1	1	1	1
Dryer Model	dMED15 13-10	dMED15 13-10	dMED25 13-10	dMED35 13-10	dMED35 13-10
Vessel Size (L)	300	500	1000	1000	2000
Number of Vessels	1	1	1	1	1

* Actual plant flow is equal to Design Flow (DF)

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