

Medical Air Plant



Specifications:

- HTM 2022:1997/HTM 02-01 Medical Gas Pipeline System
- EN 737-3:1998 - Medical Gas Pipeline System
- C11 – NHS Estates Model Engineering Specification
- Wired to the current IEE regulations & BS7971

Introduction

WTK Medical Air Plants are designed and built to supply medical quality air for Respiration and Surgical needs. Medical and Surgical Air are used generally in Operation Theatres, Intensive and Coronary Care Units, Delivery, Neonatal and Emergency Departments.

WTK Medical Air Plants are built in accordance to HTM2022, C11, EN1441:1997, EN737 standards and types of Medical Air Plants are determined based on the circulation and requirements of HTM 2022 and EN 737 flow requirements.

Electrical Requirement for Medical Air Plants are depending upon the country used and all internal electrical wiring and cable connections are in accordance to IEE wiring regulations.

Description

WTK is offering Medical Air Plant Screw or Piston type for Simplex, Duplex, Triplex and QUaduplex Compressors. The Medical Air Plant consists of Air Compressor (Screw or Piston type), Heatless Desiccant type Dryer, Electrical Control Panel, Duplex Regulator Set (4-7 bar regulation), Filtration Group and Air Reservoir.

A choice of pressure is available from 10, 15, 20 or 30 bar.

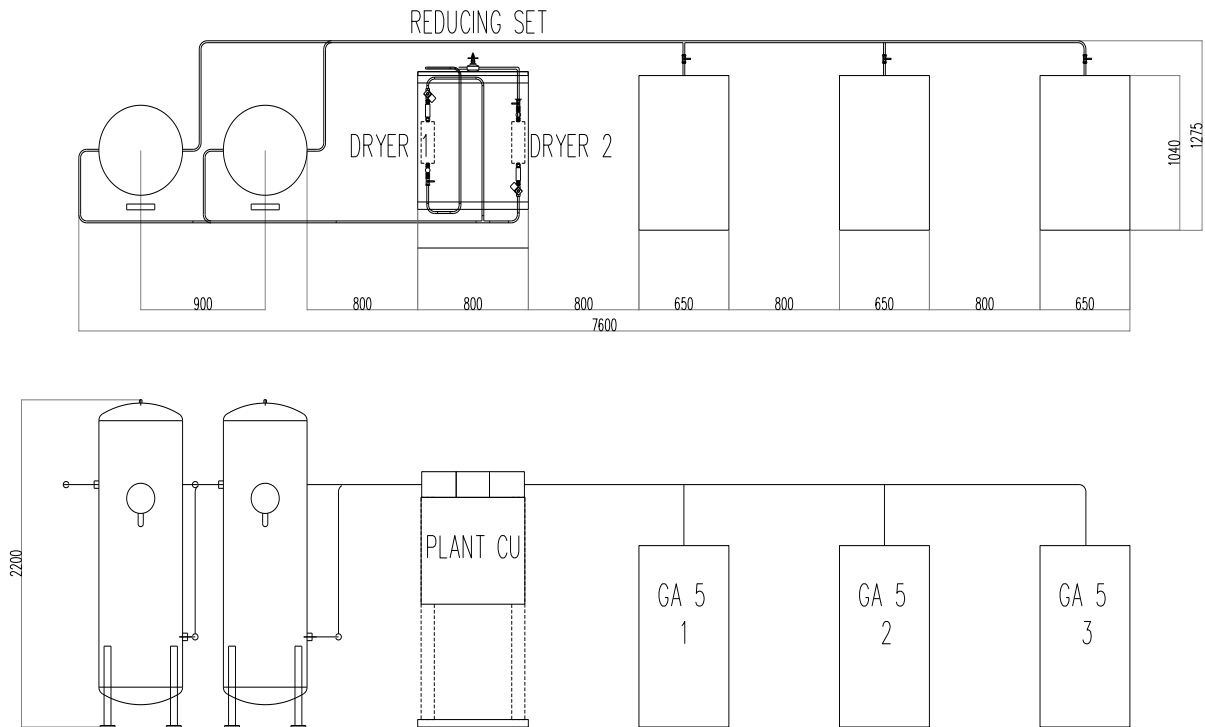
A choice of capacity for piston type compressor is available from 2.1 to 31.7 L/s (126 L/Min to 1902 L/Min).

A choice of capacity for screw type compressor is available from 8 to 222 L/s (480 L/Min to 13320 L/Min).

A choice of power is available from 1.5 to 45 kW.

Electrical control panel has been designed to control the plant up to maximum 4 compressors and operate and protect the electrical systems.

Typical Layout of Air Plant



TECHNICAL SPECIFICATION:

Designation:	Medical Air Plant
Dimensions	See Above Typical Layout
Standard:	All plants are designed and built to HTM 2022/HTM02-01 and C11
Specification:	<p>Compact and aesthetically designed, All interconnecting wiring and Pipework is included Flexible connections on compressor Pipework Anti-vibration mounts on compressor units Fail safe control system in event of power loss Each machines fitted with adjacent electrical isolator Control panel fitted with highly visible indicators Integral alarm system Interface Indicator Control includes full “operating and indicating” system Alarm and BMS outputs for remote status indication Line fault monitoring of standby pressure sensor wiring 400 kpa and 700 kpa output versions available All pressure switches and regulators are factory set All plants are tested and certified before dispatch Each plant is covered by a full warranty</p>



Model Number:

MODEL	FLOW LPM	KW	REC. FUSE PER COMP	H Max	L Max	D Max
DUPLEX						
WT26001	190	2X1.5	20 A	1850mm	3100mm	850mm
WT26002	250	2X2.2	20 A	1850mm	3100mm	850mm
WT26003	470	2X4.0	25 A	1850mm	3100mm	850mm
WT26004	600	2X5.5	32 A	1850mm	3100mm	850mm
WT26005	900	2X7.5	35 A	2200mm	3850mm	950mm
WT26006	1390	2X11.0	40 A	2400mm	3850mm	950mm
WT26007	1990	2X15.0	63 A	2400mm	4100mm	1500mm
WT26008	2500	2X18.0	80 A	2400mm	4100mm	1500mm
WT26009	2970	2X22.0	100 A	2600mm	4100mm	1500mm
WT26010	3990	2X30.0	125 A	2600mm	5600mm	1800mm
WT26011	4670	2X37.0	125 A	2800mm	5600mm	1800mm
WT26012	5920	2X45.0	145 A	2800mm	5600mm	1800mm
TRIPLEX (HTM2022)						
WT26021	380	3X1.5	20 A	1850mm	4100mm	850mm
WT26022	500	3X2.2	20 A	1850mm	4100mm	850mm
WT26023	940	3X4.0	25 A	1850mm	4100mm	850mm
WT26024	1200	3X5.5	32 A	1850mm	4100mm	850mm
WT26025	1800	3X7.5	35 A	2200mm	4850mm	950mm
WT26026	2780	3X11.0	40 A	2400mm	4850mm	950mm
WT26027	3980	3X15.0	63 A	2400mm	5100mm	1500mm
WT26028	5000	3X18.0	80 A	2400mm	5100mm	1500mm
WT26029	5940	3X22.0	100 A	2600mm	5100mm	1500mm
WT26030	7980	3X30.0	125 A	2600mm	7600mm	1800mm
WT26031	9340	3X37.0	125 A	2800mm	7600mm	1800mm
WT26032	11840	3X45.0	145 A	2800mm	7600mm	1800mm
TRIPLEX (HTM02-01)						
WT26041	190	3X1.5	20 A	1850mm	4100mm	850mm
WT26042	250	3X2.2	20 A	1850mm	4100mm	850mm
WT26043	470	3X4.0	25 A	1850mm	4100mm	850mm
WT26044	600	3X5.5	32 A	1850mm	4100mm	850mm
WT26045	900	3X7.5	35 A	2200mm	4850mm	950mm
WT26046	1390	3X11.0	40 A	2400mm	4850mm	950mm
WT26047	1990	3X15.0	63 A	2400mm	5100mm	1500mm
WT26048	2500	3X18.0	80 A	2400mm	5100mm	1500mm
WT26049	2970	3X22.0	100 A	2600mm	5100mm	1500mm
WT26050	3990	3X30.0	125 A	2600mm	7600mm	1800mm
WT26051	4670	3X37.0	125 A	2800mm	7600mm	1800mm
WT26052	5920	3X45.0	145 A	2800mm	7600mm	1800mm

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MODEL	FLOW LPM	KW	REC. FUSE PER COMP	H Max	L Max	D Max
QUADUPLEX						
WT26061	380	4X1.5	20 A	1850mm	5100mm	850mm
WT26062	500	4X2.2	20 A	1850mm	5100mm	850mm
WT26063	940	4X4.0	25 A	1850mm	5100mm	850mm
WT26064	1200	4X5.5	32 A	1850mm	5100mm	850mm
WT26065	1800	4X7.5	35 A	2200mm	5850mm	950mm
WT26066	2780	4X11.0	40 A	2400mm	5850mm	950mm
WT26067	3980	4X15.0	63 A	2400mm	6100mm	1500mm
WT26068	5000	4X18.0	80 A	2400mm	6100mm	1500mm
WT26069	5940	4X22.0	100 A	2600mm	6100mm	1500mm
WT26070	7980	4X30.0	125 A	2600mm	8600mm	1800mm
WT26071	9340	4X37.0	125 A	2800mm	8600mm	1800mm
WT26072	11840	4X45.0	145 A	2800mm	8600mm	1800mm



Digital Touchscreen Controller



Dryer & Filters Range

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