

Manifold System

The WTK manifold system has been designed and manufactured according to strictest international requirement. It has the superior performance in providing the necessary airflow and warning requirement to the hospital. Manifolds for medical gases are used where continuity of supply is essential and the supply system requires monitoring to the standards.



Emergency Supply Manifold

Description

WTK Automatic Manifold consists of a central control panel flanked by two-cylinder headers complete with cylinder tailpipes. Gas cylinders are attached to each side and the panel will select the first bank until inlet pressure falls below pre-set figure when the panel will switch to the second bank and initiate an alarm signal.

Automatic Manifold is pneumatically controlled by the service gas and continues to function in the event of a failure of the electricity supply. The manifold panel is available to supply gas at either 400 kPa or 1000 kPa



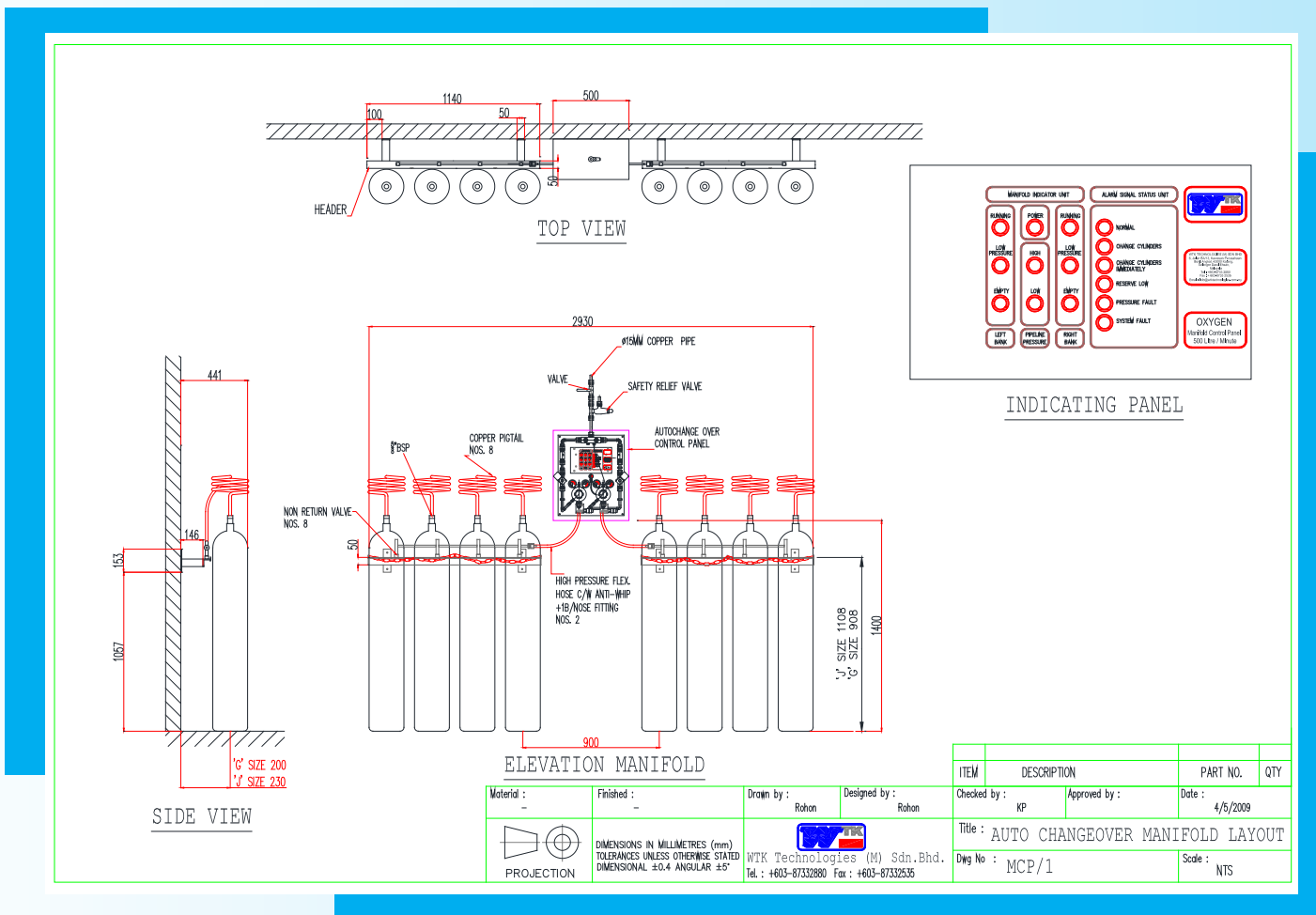
VIE Control Panel

The manifold has the following characteristics :

1. Includes gauges monitoring both cylinder banks and outgoing pressure.
2. All cylinder connections are gas-specific.
3. Non-return valves are located in the manifold headers at each cylinder location.
4. Panel includes manifold 'status monitoring' and 'status indicator'.
5. Monitoring includes 'manifold to alarm system interface and indicator'
6. Panel includes monitoring contents of remote emergency standby manifold.
7. Includes pressure relief and isolation valve.

Innovative Design in Medical Engineering

Typical Layout Of Manifold Control / Header



Technical Specification

MS 2675-1:2017 Medical gas systems
HTM 2022:1997/HTM02-01 – Medical Gas Pipeline system
HTM 2020 – Electrical Safety Low Voltage System
C11 – NHS Estates Model Engineering Specification
EN737-3: 1998 – Medical Gas Pipeline System
EN ISO 7396-1 – Medical gas pipeline systems

Designation : Autochangeover Manifold / Manual Manifold / ESM
Dimension : Varies
Material : Brass Block, copper tail pipes & fitting, High grade steel
Finishing : Epoxy Powder Coatings / Natural Finish
Electronics : PCB indicator with membrane finish
Power Rating : 240VAC input, 50/60 Hz

Model Number

WT19001-6 Control Panel – 500 LPM Automatic Changeover (O2, N2O, ENT, MA4, SA7, N2)
WT19007-12 Control Panel – 1,000/1,500 LPM Automatic Changeover (O2, N2O, ENT, MA4, SA7, N2)
WT19012-18 Control Panel – 500 LPM Manual Changeover (O2, N2O, ENT, MA4, SA7, N2)
WT19019-21 Control Panel – 1,000/1,500 LPM Manual Changeover (O2, N2O, ENT, MA4, SA7, N2)
WT19025/35 Manifold Header c/w Rack – Bullnose connection 2 x 1 (O2, N2O, ENT, MA4, SA7, N2)
WT19026/36 Manifold Header c/w Rack – Bullnose connection 2 x 2 (O2, N2O, ENT, MA4, SA7, N2)
WT19027/37/47/57/67/77 Manifold Header c/w Rack – Bullnose connection 2 x 3 (O2, N2O, ENT, MA4, SA7, N2)
WT19028/38 Manifold Header c/w Rack – Bullnose connection 2 x 4 (O2, N2O, ENT, MA4, SA7, N2)
WT19029/39/49/59/69/79 Manifold Header c/w Rack – Bullnose connection 2 x 5 (O2, N2O, ENT, MA4, SA7, N2)
WT19030/40/50/60/70/80 Manifold Header c/w Rack – Bullnose connection 2 x 6 (O2, N2O, ENT, MA4, SA7, N2)

WT19031/41/51/61/71/81 Manifold Header c/w Rack – Bullnose connection 2 x 8 (O2, N2O, ENT, MA4, SA7, N2)
WT19032/42/52/62/72/82 Manifold Header c/w Rack – Bullnose connection 2 x 10 (O2, N2O, ENT, MA4, SA7, N2)
WT19033/43/53/63/73/83 Manifold Header c/w Rack – Bullnose connection 2 x 12 (O2, N2O, ENT, MA4, SA7, N2)
WT19091/2/3/4/5 Emergency Supply Manifold 2 x 1, 2 x 2, 2 x 3, 2 x 4, 2 x 5 * Gas to specify
WT19101/2/3/4/5 Spare Rack 1 x 2, 1 x 3, 1 x 4, 1 x 5, 1 x 6
WT19110 Tools Holder
WT19120S-1 Pressure Reducing Set, Simplex, 1000 LPM
WT19120S-3 Pressure Reducing Set, Simplex, 3000 LPM
WT19120S-5 Pressure Reducing Set, Simplex, 5000 LPM
WT19120D-1 Pressure Reducing Set, Duplex, 1000 LPM
WT19120D-3 Pressure Reducing Set, Duplex, 3000 LPM
WT19120D-5 Pressure Reducing Set, Duplex, 5000 LPM
WT19130 VIE Control Panel 1,000 / 3,000 / 5,000 LPM