e-MIXTEL

Functions:

- Primary gases: Nitrogen EP and Oxygen EP
- Available with following max flows: 30 – 60 – 120 – 200 – 500 Sm^3/h
- Local and remote monitoring for measurements, alarms, status and timer
- Wide touchscreen VGA display LED backlighted
- Yellow and red alarm lights for Emergency and Operative alarm status
- Acoustic alarm signal
- Alarm recovery time adjustable from 1 to 15 minutes
- Programming by pushbuttons on touch screen display panel
- Visual indication of communication in progress and fault conditions
- Automatic sensors calibration
- Remote programming parameters through CrioSystemSupervisor telemetry platform (MOD-COM modem required)
- Scheduled maintenance expiration warning
- System restart by remote
- Self-checking system for automatic controls
- Auxiliary output switches for external cumulative alarm indicator or hooter
- USB connector to download events log file
- Proprietary network protocol CRIONet
- Visual and acoustic indication alarm in accordance with European standard ISO EN 7396-1 and EN 60601-1-8

Synthetic Medical Air Production system for Hospital applications

REMOTE MONITORING

CE 0425

Compliant with 93/42/EEC Medical Devices Directive - Class IIb

TECHNICAL SPECIFICATIONS

Power supply	100-240 Vac 50/60Hz, Pmax 60VA, fuse 0.5A
Flow range	30 Smc/h, 60 Smc/h, 120 Smc/h, 200 Smc/h, 500 Smc/h
Visual indications	Backlit display VGA, Shutoff: 18x8 mm, red light indicator Alarm: 18x8 mm, yellow light indicator Fail: Ø 5 mm, red LED light Com: Ø 5 mm, green LED light
Alarm sound	Magnetic speaker, volume adjust up to 95dB @ 1 m (EN 60601-1-8
Automatic controls	O_2 analysis @ mixer and buffer tank outlet, input and output pressure, flow production, valves anomalies, wrong analysis

Input pressure range O_2 and N_2	12÷15 bar rel. – maximum pressure burst 40 bar rel. / minimum temperature inlet -20 °C
Delivery pressure range	5÷9 bar rel. (Pout)
Combined error	<±1% O_2 full range (25%)
Long term drift	<±0.2% O_2 on 5 years
O_2 analysers warm-up	5 minutes
Minimum pressure drop input-output	2,5 bar
Auxiliary output switch	Vmax=250 Vdc/Vac, Imax=100 mA, N.C. or N.O. operations
Housing (without buffer tank)	Metal cabinet RACK 19", dim. 600x1.950x600 mm, IP55 (MIXTEL 60,120, 200, 500) Metal cabinet RACK 19", dim. 600x1.200x600 mm, IP55 (MIXTEL 30)
Local network interface	Proprietary protocol CRIONet on insulated bidirectional RS485
Weight	e-MIXTEL 30 150 Kg, e-MIXTEL 60-120-200 Rack 200 Kg – Buffer Tank 500 l 200 Kg e-MIXTEL 500 Rack 300 Kg – Buffer Tank 5.000 l 570 Kg
Operating Temperature	0÷45 °C
Reference standards and directives	Directive 93/42/EEC as medical device II B class, PED 2014/68/EU as under device group I Category 4, 2014/30/EU EMC, 2014/35/EU, RoHS 2011/65/EU CE 0425

PRODUCT CODES

CODE	DESCRIPTION
0001-06-201	**e-MIXTEL 30:** Synthetic Medical Air production system for hospital applications 30 Sm^3/hour max flow with internal 50 l buffer tank
0001-06-202	**e-MIXTEL 60:** Synthetic Medical Air production system for hospital applications 60 Sm^3/hour max flow with external 500 l buffer tank
0001-06-203	**e-MIXTEL 120:** Synthetic Medical Air production system for hospital applications 120 Sm^3/hour max flow with external 500 l buffer tank
0001-06-204	**e-MIXTEL 200:** Synthetic Medical Air production system for hospital applications 200 Sm^3/hour max flow with external 500 l buffer tank
0001-06-205	**e-MIXTEL 500:** Synthetic Medical Air production system for hospital applications 500 Sm^3/hour max flow with external 5.000 l buffer tank
0050-01-005	**MOD-COM:** Modem MOD-COM GPRS 4G on CrioNET

Designed and developed in partnership with: TGE Techno Gas Equipment