

INSPI TAL



MEDICAL GAS SYSTEMS
2020









INSPIRAL Medical Gas Stations & Control Units

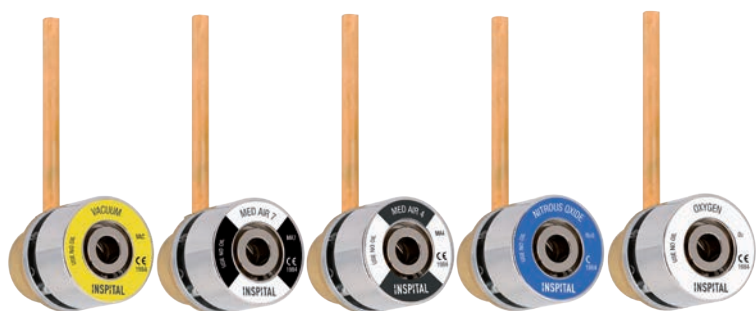
INSPIRAL offers complete solution for the medical gas system of hospitals. All the system consist of medical gas generators, manifolds, pipeline system, area control units, alarm systems, monitoring screens and the final gas outlets in Operating Theatres, ICU's and patient rooms



Medical Gas Outlets

| | |
|---------------------|---|
| Outlet Dia | : 45 mm |
| Copper Pipe Dia | : 10 mm |
| Production Standard | : BS 5682/EN ISO 9170-1 |
| Color Codes | : Oxygen – White Vacuum – Yellow Nitrous Oxide – Blue Compressed Air – Black & White |

| |  |  |  |  |  |  |
|-----|---|---|---|---|---|---|
| | Oxygen | Vacuum | Air 4 | Air 7 | N ₂ O | CO ₂ |
| DIN | PR80.01 | PR80.02 | PR80.03 | PR80.04 | PR80.05 | PR82.01 |
| BS | PR80.06 | PR80.07 | PR80.08 | PR80.09 | PR80.10 | - |



Medical Gas Outlets

| | |
|---------------------|---|
| Outlet Dia | : 49 mm |
| Copper Pipe Dia | : 10 mm |
| Production Standard | : BS 5682/EN ISO 9170-1 |
| Color Codes | : Oxygen – White Vacuum – Yellow Nitrous Oxide – Blue Compressed Air – Black & White |

| |  |  |  |  |  |  |
|-----------|---|---|---|---|---|---|
| | Oxygen | Vacuum | Air 4 | Air 7 | N ₂ O | CO ₂ |
| DIN-90° | PR80.11 | PR80.12 | PR80.13 | PR80.14 | PR80.15 | PR82.02 |
| BS-90° | PR80.16 | PR80.17 | PR80.18 | PR80.19 | PR80.20 | - |
| AFNOR-90° | PR80.21 | PR80.22 | PR80.23 | PR80.24 | PR80.25 | - |
| DIN-45° | PR82.11 | PR82.12 | PR82.13 | PR82.14 | PR82.15 | PR82.03 |
| BS-45° | PR82.16 | PR82.17 | PR82.18 | PR82.19 | PR82.20 | - |
| AFNOR-45° | PR82.21 | PR82.22 | PR82.23 | PR82.24 | PR82.25 | - |



Outlet Boxes, On Plaster/ Under Plaster

- Made of 304 quality S/S material
- Suitable to install on plaster / under plaster
- Several length and outlet standard alternatives

| On Plaster Model | Under Plaster Model | Length | Outlet Qty |
|------------------|---------------------|---------|------------|
| PR81.01 | PR81.07 | 310 mm | 2 |
| PR81.02 | PR81.08 | 460 mm | 3 |
| PR81.03 | PR81.09 | 610 mm | 4 |
| PR81.04 | PR81.10 | 760 mm | 5 |
| PR81.05 | PR81.11 | 910 mm | 6 |
| PR81.06 | PR81.12 | 1110 mm | 7 |

- Without outlets



Plastic Outlet Boxes, Under Plaster

- Made of durable plastic material
- Suitable for under plaster installation
- Several length and outlet standard alternatives

| Explanation | Length | Outlet Qty | Model No |
|---------------|--------|------------|----------|
| Under Plaster | 100 mm | 1 | PR81.17 |
| Under Plaster | 250 mm | 2 | PR81.18 |
| Under Plaster | 400 mm | 3 | PR81.19 |
| On Plaster | 100 mm | 1 | PR81.20 |

- Without outlets



Medical Gas Hoses

- Special hoses for medical gases
- Made of thermoplastic and rubber material
- Color coding according to EN 739 standard
- Suitable up to 20 bar pressure
- Inner dia: 6,7 mm Outer dia: 12 mm

| Hose Type | Model No |
|-------------|----------|
| O2, 250 cm | PR81.13 |
| N2O, 250 cm | PR81.14 |
| AIR, 250 cm | PR81.15 |
| VAC, 250 cm | PR81.16 |





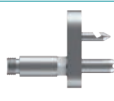

Medical Gas Outlets and Accessories



Probes

Inspital probes are produced according to international standards by using a special labelling for gases.. They are used to supply necessary gases from terminal units to the patient or medical equipments via hose connections or by direct connection to the equipment. Inspital Probes are manufactured in compliance with BS 5682:1992, DIN 13260, AFNOR NF S 90-116.

- Manufactured according to BS, DIN & AFNOR standard
- Special connections for O₂, N₂O, AIR 4 and AIR 7
- Special labeling for each gas type
- Safe hose connection
- Made of chrome plated brass material or Stainless Steel

| | |  BS |  DIN |  AFNOR |  DISS |  CHEMETRON |  OHMEDA |
|------------------|-----------------|---|--|--|--|--|---|
| Oxygen | Stainless Steel | JK90.50 | JK90.51 | JK90.52 | JK90.53 | JK90.54 | JK90.55 |
| | Brass | JK90.56 | JK90.57 | JK90.58 | — | — | — |
| Vacuum | Stainless Steel | JK90.60 | JK90.61 | JK90.62 | JK90.63 | JK90.64 | JK90.65 |
| | Brass | JK90.66 | JK90.67 | JK90.68 | — | — | — |
| Air 4 | Stainless Steel | JK90.70 | JK90.71 | JK90.72 | JK90.73 | JK90.74 | JK90.75 |
| | Brass | JK90.76 | JK90.77 | JK90.78 | — | — | — |
| Air 7 | Stainless Steel | JK90.80 | JK90.81 | JK90.82 | | | |
| | Brass | JK90.86 | JK90.87 | JK90.88 | — | — | — |
| N ₂ O | Stainless Steel | JK90.90 | JK90.91 | JK90.92 | JK90.93 | JK90.94 | JK90.95 |
| | Brass | JK90.96 | JK90.97 | JK90.98 | — | — | — |
| CO ₂ | Stainless Steel | JK91.10 | JK91.11 | JK91.12 | | | |
| | Brass | JK91.16 | JK91.17 | JK91.18 | — | — | — |



Flowmeters

Insipital offers different models of flowmeters according to their gas flow scale, connection types and humidity jars that can be used with oxygen.

Flowmeters can be either connected to medical gas outlets directly or attached on rail system and connected to the outlets by flexible hoses.

| | |
|---------------------|--|
| Size (LxWxH) | : 80 x 48 x 145 mm |
| Inlet | : Whitworth GAS 1/8" |
| Pressure | : 4.2 Kgs/cm ² – 60 psi – 414 kPa |
| Flow Rate | : 0 - 15 L/min |
| Humidifier capacity | : 200 ml |

| Flowmeters L/min | Without Adaptor |  |  |  |  |  |  |
|---------------------|--------------------|---|---|---|---|---|---|
| Oxygen | | | | | | | |
| Wall type | FM20.11 | FM20.21 | FM20.31 | FM20.41 | FM20.51 | FM20.61 | FM20.71 |
| Rail type | FM20.12 | FM20.22 | FM20.32 | FM20.42 | FM20.52 | FM20.62 | FM20.72 |
| Dual wall type | FM20.13 | FM20.23 | FM20.33 | FM20.43 | FM20.53 | FM20.63 | FM20.73 |
| Dual rail type | FM20.14 | FM20.24 | FM20.34 | FM20.44 | FM20.54 | FM20.64 | FM20.74 |
| Air | | | | | | | |
| Wall type | FM20.15 | FM20.25 | FM20.35 | FM20.45 | FM20.55 | FM20.65 | FM20.75 |
| Rail type | FM20.16 | FM20.26 | FM20.36 | FM20.46 | FM20.56 | FM20.66 | FM20.76 |
| Dual wall type | FM20.17 | FM20.27 | FM20.37 | FM20.47 | FM20.57 | FM20.67 | FM20.77 |
| Dual rail type | FM20.18 | FM20.28 | FM20.38 | FM20.48 | FM20.58 | FM20.68 | FM20.78 |



Oxygen Therapy Device

Inspital Oxygen Therapy Device is appropriate to use in hospitals, emergency services and homecare units. This device is designed to adjust and control the oxygen flow.

- Chrome plated brass trunk
- High resistant polycarbonate humidifier bottle suitable for sterilization
- Maximum gas supply pressure : 200 bar
- Regulator Outlet Pressure : 3.5 - 4 bar
- Adjustable Flow : 0 - 15 L/min
- Pressure Gauge Range : 0 - 315 bar
- Sterilization Method : 121 °C

| | Bull Nose | DIN | PIN INDEX |
|----------|-----------|---------|-----------|
| Model No | FM21.86 | FM21.87 | FM21.88 |



Oxygen Therapy Device Calibrated

- Max. gas supply pressure : 200 bar
- Regulator Outlet Pressure : 3.5 - 4 bar
- Adjustable Flow : 0 - 15 L/min
- Pressure Gauge Range : 0 - 315 bar
- Pressure reducer assy : Double stage with shutter system
- Flow setting data : 1013 mbar 23 °C
- Side gas outlet connection

| | Bull Nose | DIN | PIN INDEX |
|----------|-----------|---------|-----------|
| Model No | FM21.69 | FM21.79 | FM21.89 |



Oxygen Therapy Device

Inspital Oxygen Therapy Device is appropriate to use in hospitals, emergency services and homecare units. This device is designed to adjust and control the oxygen flow.

- Chrome plated brass trunk
- High resistant polycarbonate humidifier bottle suitable for sterilization
- Maximum gas supply pressure : 200 bar
- Regulator Outlet Pressure : 3.5 - 4 bar
- Adjustable Flow : 0 - 15 L/min
- Inlet Pressure Gauge Range : 0 - 315 bar

| | Bull Nose | DIN | PIN INDEX |
|-----------------|-----------|---------|-----------|
| Model No | FM21.96 | FM21.97 | FM21.98 |



Laboratory S/S Regulator

- Line groups with body valve
- Inlet pressure : 0 - 40 bar
- Outlet Connection : R 3/8"
- Adjustable Pressure : 0-10 bar & Argon 1,5 bar
- Stainless diaphragm

| Model No | Gas type | Gas flow | Inlet Connetion |
|----------|---------------|----------------------|-----------------|
| GZ70.80 | Oxygen | 70 m ³ /h | R 1/4 NPT |
| GZ70.81 | Nitrogen | 70 m ³ /h | R 1/4 NPT |
| GZ70.82 | N2O | 70 m ³ /h | R 1/4 NPT |
| GZ70.83 | Argon 1,5 bar | 15 m ³ /h | R 1/4 NPT |
| GZ70.84 | CO2 | 12 m ³ /h | R 1/4 NPT |
| GZ70.85 | Helium | 40 m ³ /h | R 1/4 NPT |
| GZ70.86 | Hydrogen | 55 m ³ /h | R 1/4 NPT |
| GZ70.87 | Dyr Air | 15 m ³ /h | R 1/4 NPT |
| GZ70.88 | Mixed | 60 m ³ /h | R 1/4 NPT |



Pressure Regulators

- Double stage stainless
- Inlet pressure : 0 - 230 bar
- Outlet Connection : R 3/8"
- Adjustable Pressure : 0-10 bar Argon 1,5 bar
- Stainless diaphragm,

| Single Model | Double Model | Gas type | Gas flow | Inlet Connection |
|--------------|--------------|----------|----------|-------------------|
| GZ70.60 | GZ70.70 | Oxygen | 30 m³/h | R 3/8" |
| GZ70.61 | GZ70.71 | Nitrogen | 30 m³/h | R 5/8" Inner |
| GZ70.62 | GZ70.72 | Argon | 30 m³/h | R 5/8" Inner |
| GZ70.63 | GZ70.73 | CO2 | 11 m³/h | W21, 80X1/14 |
| GZ70.64 | GZ70.74 | Helium | 70 m³/h | R 5/8" Inner |
| GZ70.65 | GZ70.75 | Hydrogen | 90 m³/h | W21, 80X1/14 Left |
| GZ70.66 | GZ70.76 | Dyr Air | 30 m³/h | R 3/8" |
| GZ70.67 | GZ70.77 | N2O | 30 m³/h | R 3/8" |

Ventilator Regulators

Design to use with ventilator and direct oxygen supply at emergency, ICU and ambulances.



- Maximum gas supply pressure : 200 bar
- Regulator Outlet Pressure : 3.5 - 4 bar
- Pressure Gauge Range : 0 - 315 bar

| | Bull Nose | DIN | PIN INDEX |
|----------|-----------|---------|-----------|
| Model No | FM21.91 | FM21.92 | FM21.93 |

Suction Accessories



| Model No | Explanation |
|----------|--|
| AT80.10 | Suction Liner, 1 L |
| AT80.20 | Suction Liner, 2 L |
| AT80.30 | Suction Liner, 3 L |
| AT80.11 | Suction Liner With Antifoam, 1 L |
| AT80.22 | Suction Liner With Antifoam, 2 L |
| AT80.33 | Suction Liner With Antifoam, 3 L |
| AT80.91 | Suction Liner With Solidifying Agents, 1 L |
| AT80.92 | Suction Liner With Solidifying Agents, 2 L |
| AT80.93 | Suction Liner With Solidifying Agents, 3 L |

Suction Liner

- No contact with patient.
- Liner and lid are made of durable plastic.
- Liners are flexible
- In bags, optionally, disinfectant, foam inhibitor and Solidifying agents are available.

The canisters are made in three sizes, to be used according to the effective requirements about the volumes expected to be suctioned, and they are manufactured in three different versions: suction liner, antifoam, solidifying agents.

Suction liner with solidifying allow us to avoid from liquid decontamination. Suction liner with antifoam finish all foam on liquid and that take advantage to use liner more efficiency.



Suction Liner Manometer Probe

- That allows to open and close to suction from top of suction liner.
- Manometer and without manometer options



Rail Attachment

| Explanation | Model No |
|--------------------|----------|
| For 25 x 5 mm Rail | AT20.37 |



Silicone / PVC Tube

| Explanation | Model No |
|----------------------|----------|
| 8 x 14 mm (silicone) | AT20.47 |
| 6 x 11 mm (silicone) | AT20.46 |
| 8 x 12 mm (PVC) | AT20.44 |
| 10 x 14 mm (PVC) | AT20.45 |



Yankauer Tipped Hose

| Explanation | Model No |
|---------------------|----------|
| 1,8 Meter Hose | AT20.40 |
| Suction Cannula tip | AT20.41 |



Wall Attachment

| Explanation | Model No |
|-----------------|----------|
| Wall Attachment | AT20.50 |



Vacuum Control Connector

| Explanation | Model No |
|-------------------|----------|
| Control Connector | AT20.54 |



Suction Cannula, Plastic

| Explanation | Model No |
|-------------|----------|
| Non-Sterile | AT20.55 |



Suction Liner Manometer Probe

| Explanation | Model No |
|-------------------|----------|
| Manometer | AT20.78 |
| Without Manometer | AT20.79 |



Tube Connector

| Explanation | Model No |
|-------------|----------|
| Non-Sterile | AT20.52 |



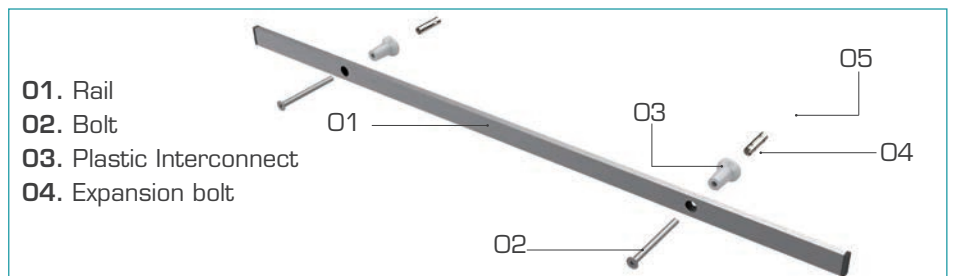
Kapkon Connector

| Explanation | Model No |
|------------------|----------|
| Kapkon Connector | AT20.53 |



Rail

| Explanation | Model No |
|-------------|----------|
| 1 meter | AT20.56 |



INSPITAL

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EC Certificate

Full Quality Assurance System according to Medical Devices Directive 93/42/EEC Annex-II Section 3

Certificate Number: 1984-MDD-18-535

We hereby declare that an examination of the under mentioned full quality assurance system has been carried out following the requirements of the national legislation to which the undersigned is subjected, transposing annex II (with the exemption of section 4) of the Directive 93/42/EEC on medical devices. We certify that the full quality assurance system conforms with the relevant provisions of the aforementioned directive.

Organization:

İNSPİTAL MEDİKAL TEKNOLOJİ ANONİM ŞİRKETİ

Karaoğlan Mahallesi Karaoğlan Küme Evleri No:745 Gölbaşı/ Ankara, Turkey

Products: Flowmeters, Anaesthetic Gas Scavenging (AGSS) System, Area Gas Control Panels, Pipelines and Stations for Medical Gases, Pipelines and Stations for Vacuum, Patient Bed Head Unit, Pendant Unit, Anaesthetic Gas Scavenging Terminal Unit and Probe, Jacks for Compressed Medical Gas, Medical Gas Outlet, Vacuum Outlet, Jacks for Vacuum, Pressure Regulator with Flowmeter, Manifold and Line Pressure Regulators, Pressure Regulator, Vacuum Regulator, Surgical Suction Unit, Central Vacuum System

The products defined at the enclosure which is the part of this certificate and contains seventeen pages. The certificate is valid till expiration date, subject to successful completion of periodical surveillance audits. Please contact Kiwa for details.

Report Number: M.5220.01
Expiry Date: 01 August 2021



02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE



Enclosure of the EC Certificate:

Page 1/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Flowmeters

| Types | Model Number |
|---------------------|--|
| Oxygen | FM20.11, FM20.21, FM20.31, FM20.41, FM20.51, FM20.61, FM20.71, FM20.12, FM20.22, FM20.32, FM20.42, FM20.52, FM20.62, FM20.72, FM20.13, FM20.23, FM20.33, FM20.43, FM20.53, FM20.63, FM20.73, FM20.14, FM20.24, FM20.34, FM20.44, FM20.54, FM20.64, FM20.74 |
| Air | FM20.15, FM20.25, FM20.35, FM20.45, FM20.55, FM20.65, FM20.75, FM20.16, FM20.26, FM20.36, FM20.46, FM20.56, FM20.66, FM20.76, FM20.17, FM20.27, FM20.37, FM20.47, FM20.57, FM20.67, FM20.77, FM20.18, FM20.28, FM20.38, FM20.48, FM20.58, FM20.68, FM20.78 |
| Variable Area | FM21.11, FM21.21, FM21.31, FM21.41, FM21.51, FM21.61, FM21.71, FM21.12, FM21.22, FM21.32, FM21.42, FM21.52, FM21.62, FM21.72, FM21.13, FM21.23, FM21.33, FM21.43, FM21.53, FM21.63, FM21.73, FM21.14, FM21.24, FM21.34, FM21.44, FM21.54, FM21.64, FM21.74 |
| Calibrated Orifices | FM21.15, FM21.25, FM21.35, FM21.45, FM21.55, FM21.65, FM21.75, FM21.16, FM21.26, FM21.36, FM21.46, FM21.56, FM21.66, FM21.76, FM21.17, FM21.27, FM21.37, FM21.47, FM21.57, FM21.67, FM21.77, FM21.18, FM21.28, FM21.38, FM21.48, FM21.58, FM21.68, FM21.78 |

02 August 2018, Istanbul, Turkey

Head of Notified Body



Enclosure of the EC Certificate:

Page 2/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Anaesthetic Gas Scavenging (AGSS) System

| Types | Model Number |
|---|--------------|
| Anaesthetic Gas Scavenging System 68 m ³ /h | VK50.01 |
| Anaesthetic Gas Scavenging System 120 m ³ /h | VK50.02 |
| Anaesthetic Gas Scavenging System 2X68 m ³ /h | VK50.03 |
| Anaesthetic Gas Scavenging System 2X120 m ³ /h | VK50.04 |

Product: Area Gas Control Panels

| Types | Model Number |
|---|--------------|
| Area Gas Control Panels 1 Gas W/O Alarm-Under Plaster | GZ71.58 |
| Area Gas Control Panels 1 Gas Alarm-Under Plaster | GZ71.59 |
| Area Gas Control Panels 2 Gas W/O Alarm-Under Plaster | GZ71.60 |
| Area Gas Control Panels 2 Gas Alarm-Under Plaster | GZ71.61 |
| Area Gas Control Panels 3 Gas W/O Alarm-Under Plaster | GZ71.62 |
| Area Gas Control Panels 3 Gas Alarm-Under Plaster | GZ71.63 |
| Area Gas Control Panels 4 Gas W/O Alarm-Under Plaster | GZ71.64 |
| Area Gas Control Panels 4 Gas Alarm-Under Plaster | GZ71.65 |
| Area Gas Control Panels 5 Gas W/O Alarm-Under Plaster | GZ71.66 |
| Area Gas Control Panels 5 Gas Alarm-Under Plaster | GZ71.67 |
| Area Gas Control Panels 1 Gas W/O Alarm-On Plaster | GZ71.68 |
| Area Gas Control Panels 1 Gas Alarm-On Plaster | GZ71.69 |
| Area Gas Control Panels 2 Gas W/O Alarm-On Plaster | GZ71.70 |
| Area Gas Control Panels 2 Gas Alarm-On Plaster | GZ71.71 |
| Area Gas Control Panels 3 Gas W/O Alarm-On Plaster | GZ71.72 |
| Area Gas Control Panels 3 Gas Alarm-On Plaster | GZ71.73 |
| Area Gas Control Panels 4 Gas W/O Alarm-On Plaster | GZ71.74 |



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Head of Notified Body



Enclosure of the EC Certificate:

Page 3/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Area Gas Control Panels

| Types | Model Number |
|---|--------------|
| Area Gas Control Panels 4 Gas Alarm-On Plaster | GZ71.75 |
| Area Gas Control Panels 5 Gas W/O Alarm-On Plaster | GZ71.76 |
| Area Gas Control Panels 5 Gas Alarm-On Plaster | GZ71.77 |
| Digital Alarm Panels - Single Gas | GZ71.78 |
| Digital Alarm Panels - Double Gas | GZ71.79 |
| Digital Alarm Panels - Triple Gas | GZ71.80 |
| Digital Alarm Panels - Five Gas | GZ71.81 |
| Area Gas Control Panels - Stainless Steel - W 1 Gas - Under Plaster | GZ71.83 |
| Area Gas Control Panels - Stainless Steel - W 2 Gas - Under Plaster | GZ71.84 |
| Area Gas Control Panels - Stainless Steel - W 3 Gas - Under Plaster | GZ71.85 |
| Area Gas Control Panels - Stainless Steel - W 4 Gas- Under Plaster | GZ71.86 |
| Area Gas Control Panels - Stainless Steel - W 5 Gas - Under Plaster | GZ71.87 |
| Area Gas Control Panels - Stainless Steel - W 1 Gas - On Plaster | GZ71.88 |
| Area Gas Control Panels - Stainless Steel - W 2 Gas - On Plaster | GZ71.89 |
| Area Gas Control Panels - Stainless Steel - W 3 Gas - On Plaster | GZ71.90 |
| Area Gas Control Panels - Stainless Steel - W 4 Gas - On Plaster | GZ71.91 |
| Area Gas Control Panels - Stainless Steel - W 5 Gas - On Plaster | GZ71.92 |
| Central Alarm Panels | GZ71.93 |



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Enclosure of the EC Certificate:

Page 4/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
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Concerned medical devices;

Product: Pipelines and Stations for Medical Gases

| Types | Model Number |
|---|--------------|
| Oxygen Station 40 M3/H - Double Chain | GZ71.01 |
| Oxygen Station 40 M3/H - Triple Chain | GZ71.02 |
| Oxygen Station 40 M3/H - Five Chain | GZ71.03 |
| Oxygen Station 150 M3/H - Five | GZ71.04 |
| Oxygen Station 150 M3/H - Four | GZ71.05 |
| Oxygen Station 150 M3/H - Five Chain - 4 Pieces | GZ71.06 |
| Oxygen Station 150 M3/H - Five Chain - 6 Pieces | GZ71.07 |
| Oxygen Station 150 M3/H - Five Chain - 8 Pieces | GZ71.08 |
| Oxygen Station 40 M3/H | GZ71.09 |
| Nitrousoxide Station 40 M3/H - Double Chain | GZ71.10 |
| Nitrousoxide Station 40 m3/h - Triple Chain | GZ71.11 |
| Nitrousoxide Station 40 m3/h - Five Chain | GZ71.12 |
| Nitrousoxide Station 150 m3/h - Five Chain | GZ71.13 |
| Nitrousoxide Station 150 m3/h - Four Chain | GZ71.14 |
| Nitrousoxide Station 150 m3/h - Five Chain - 4 pieces | GZ71.15 |
| Nitrousoxide Station 150 m3/h - Five Chain - 6 pieces | GZ71.16 |
| Nitrousoxide Station 150 m3/h - Five Chain - 8 pieces | GZ71.17 |
| Nitrousoxide Station 40 m3/h | GZ71.18 |



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Enclosure of the EC Certificate:

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Pipelines and Stations for Vacuum

| Types | Model Number |
|---|--------------|
| Central Vacuum Station 47X2 | VK40.02 |
| Central Vacuum Station 47X3 | VK40.03 |
| Central Vacuum Station 100X2 | VK40.04 |
| Central Vacuum Station 100X3 | VK40.05 |
| Central Vacuum Station 200X2 | VK40.06 |
| Central Vacuum Station 200X3 | VK40.07 |
| Central Vacuum Station 47X2 Horizontal | VK40.08 |
| Central Vacuum Station 47X3 Horizontal | VK40.09 |
| Central Vacuum Station 100X2 Horizontal | VK40.10 |
| Central Vacuum Station 100X3 Horizontal | VK40.11 |
| Central Vacuum Station 200X2 Horizontal | VK40.12 |
| Central Vacuum Station 200X3 Horizontal | VK40.13 |
| Mini Vacuum Station (25) | VK40.14 |
| Mini Vacuum Station (2X10) | VK40.15 |

Product: Pendant Unit

| Types | Model Number |
|--|--------------|
| Pendant with Monitor Shelves | FX40.05 |
| Single Joint Pendant with Double Shelves | FX40.10 |
| Double Joint Pendant with Double Shelves | FX40.15 |
| Multi movement Pendant with Shelves | FX40.20 |
| Multi movement Pendant with Double Shelves | FX40.25 |



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Enclosure of the EC Certificate:

Page 6/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
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Concerned medical devices;

Product: Patient Bed Head Unit

| Types | Model Number |
|--|--------------|
| Patient Bed- Three Channels and Double Lamp-Single Bed - 3 Pcs | GB22.10 |
| Patient Bed- Three Channels and Double Lamp-Double Bed - 6 Pcs | GB22.20 |
| Patient Bed- Three Channels and Double Lamp-Single Bed - 4 Pcs | GB22.30 |
| Patient Bed- Three Channels and Double Lamp-Double Bed - 8 Pcs | GB22.40 |
| Patient Bed- Double Channels and Double Rail-Single Bed - 6 Pcs-Wall | GB22.01 |
| Patient Bed- Double Channels and Double Rail-Double Bed - 12 Pcs-Wall | GB22.02 |
| Patient Bed- Double Channels and Double Rail-Single Bed - 6 Pcs-Ceiling | GB22.03 |
| Patient Bed- Double Channels and Double Rail-Double Bed - 12 Pcs-Ceiling | GB22.04 |

Product: Anaesthetic Gas Scavenging Terminal Unit and Probe

| Types | Model Number |
|--|--------------|
| AGSS Teminal Units BS | PR80.26 |
| AGSS Teminal Units BS | PR80.27 |
| AGSS Teminal Units/ DIN (Ventury Type) on Plaster | PR80.28 |
| AGSS Teminal Units/ DIN (Ventury Type) under Plaster | PR80.29 |



02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE



Enclosure of the EC Certificate:

Page 7/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Anaesthetic Gas Scavenging Terminal Unit and Probe

| Types | Model Number |
|--|--------------|
| AGSS Teminal Units/ DIN (Ventury Type) | PR80.30 |
| AGSS Teminal Units/ DIN | PR80.31 |
| AGSS Prob-Stainless Steel/ BS | JK91.20 |
| AGSS Prob- Stainless Steel/ DIN | JK91.21 |
| AGSS Prob- Stainless Steel/ AFNOR | JK91.22 |
| AGSS Prob- Stainless Steel/ DISS | JK91.23 |
| AGSS Prob- Stainless Steel/ CHEMETRON | JK91.24 |
| AGSS Prob- Stainless Steel/ OHMEDA | JK91.25 |
| AGSS Prob- Brass/ BS | JK91.26 |
| AGSS Prob- Brass/ DIN | JK91.27 |
| AGSS Prob- Brass/ AFBOR | JK91.28 |

Product: Jacks for Compressed Medical Gas

| Types | Model Number |
|--|--------------|
| Probes - Oxygen - Stainless Steel/ BS | JK90.50 |
| Probes - Oxygen - Stainless Steel/ DIN | JK90.51 |
| Probes - Oxygen - Stainless Steel/ AFNOR | JK90.52 |
| Probes - Oxygen - Stainless Steel/ DISS | JK90.53 |
| Probes - Oxygen - Stainless Steel/ CHEMETRON | JK90.54 |
| Probes - Oxygen - Stainless Steel/ OHMEDA | JK90.55 |
| Probes - Oxygen - Brass/ BS | JK90.56 |
| Probes - Oxygen - Brass/ DIN | JK90.57 |

02 August 2018, Istanbul, Turkey

Head of Notified Body



Enclosure of the EC Certificate:

Page 8/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Jacks for Compressed Medical Gas

| Types | Model Number |
|---|--------------|
| Probes - Oxygen - Brass/ AFNOR | JK90.58 |
| Probes - Vacuum - Stainless Steel/ BS | JK90.60 |
| Probes - Air 4 - Stainless Steel/ BS | JK90.70 |
| Probes - Air 4 - Stainless Steel/ DIN | JK90.71 |
| Probes - Air 4 - Stainless Steel/ AFNOR | JK90.72 |
| Probes - Air 4 - Stainless Steel/ DISS | JK90.73 |
| Probes - Air 4 - Stainless Steel/ CHEMETRON | JK90.74 |
| Probes - Air 4 - Stainless Steel/ OHMEDA | JK90.75 |
| Probes - Air 4 - Brass/ BS | JK90.76 |
| Probes - AIR 4 - Brass/ DIN | JK90.77 |
| Probes - AIR 4 - Brass/ AFNOR | JK90.78 |
| Probes - Air 7 - Stainless Steel/ BS | JK90.80 |
| Probes - Air 7 - Stainless Steel/ DIN | JK90.81 |
| Probes- Air 7 - Stainless Steel/ AFNOR | JK90.82 |
| Probes- Air 7 - Stainless Steel/ DISS | JK90.83 |
| Probes- Air 7 - Stainless Steel/ CHEMETRON | JK90.84 |
| Probes- Air 7 - Stainless Steel/ OHMEDA | JK90.85 |
| Probes- Air 7 - Brass/ BS | JK90.86 |
| Probes- Air 7 - Brass/ DIN | JK90.87 |
| Probes- Air 7 - Brass / AFNOR | JK90.88 |
| Probes- N2O - Stainless Steel / BS | JK90.90 |
| Probes- N2O - Stainless Steel/ DIN | JK90.91 |
| Probes- N2O - Stainless Steel/ AFNOR | JK90.92 |
| Probes- N2O - Stainless Steel/ DISS | JK90.93 |



02 August 2018, Istanbul, Turkey

Head of Notified Body

Enclosure of the EC Certificate:

Page 9/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Jacks for Compressed Medical Gas

| Types | Model Number |
|--|--------------|
| Probes- N2O - Stainless Steel/ CHEMETRON | JK90.94 |
| Probes- N2O - Stainless Steel/ OHMEDA | JK90.95 |
| Probes- N2O - Brass/ BS | JK90.96 |
| Probes- N2O - Brass/ DIN-1 | JK90.97 |
| Probes- N2O - Brass/ AFNOR | JK90.98 |
| Probes- CO2 - Stainless Steel/ BS | JK91.10 |
| Probes- CO2 - Stainless Steel/ DIN | JK91.11 |
| Probes- CO2 - Stainless Steel/ AFNOR | JK91.12 |
| Probes- CO2 - Stainless Steel/ DISS | JK91.13 |
| Probes- CO2 - Stainless Steel/ CHEMETRON | JK91.14 |
| Probes- CO2 - Stainless Steel/ OHMEDA | JK91.15 |
| Probes- CO2 - Brass / BS | JK91.16 |
| Probes- CO2 - Brass/ DIN | JK91.17 |
| Probes- CO2 - Brass/ AFNOR | JK91.18 |

Product: Medical Gas Outlet

| Types | Model Number |
|--|--------------|
| Medical Gas Outlets Oxygen - 10 MM / DIN | PR80.01 |
| Medical Gas Outlets Air 4 - 10 MM / DIN | PR80.03 |
| Medical Gas Outlets Air 7 - 10 MM / DIN | PR80.04 |
| Medical Gas Outlets N2O - 10 MM / DIN | PR80.05 |
| Medical Gas Outlets Oxygen - 10 MM / BS | PR80.06 |



02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE



Enclosure of the EC Certificate:

Page 10/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Medical Gas Outlet

| Types | Model Number |
|---|--------------|
| Medical Gas Outlets Air 4 - 10 MM / BS | PR80.08 |
| Medical Gas Outlets Air 7 - 10 MM / BS | PR80.09 |
| Medical Gas Outlets N2O - 10 MM / BS | PR80.10 |
| Medical Gas Outlets Oxygen - 8 MM / DIN | PR80.11 |
| Medical Gas Outlets Air 4 - 8 MM / DIN | PR80.13 |
| Medical Gas Outlets Air 7 - 8 MM / DIN | PR80.14 |
| Medical Gas Outlets N2O - 8 MM / DIN | PR80.15 |
| Medical Gas Outlets Oxygen - 8 MM / BS | PR80.16 |
| Medical Gas Outlets Air 4 - 8 MM / BS | PR80.18 |
| Medical Gas Outlets Air 7 - 8 MM / BS | PR80.19 |
| Medical Gas Outlets N2O - 8 MM / BS | PR80.20 |
| Medical Gas Outlets Oxygen - 8 MM / AFNOR | PR80.21 |
| Medical Gas Outlets Air 4 - 8 MM / AFNOR | PR80.23 |
| Medical Gas Outlets Air 7 - 8 MM / AFNOR | PR80.24 |
| Medical Gas Outlets N2O - 8 MM / AFNOR | PR80.25 |
| Medical Gas Outlets Oxygen - 10 MM / DIN | PR82.01 |
| Medical Gas Outlets Air 4 - 10 MM / DIN | PR82.03 |
| Medical Gas Outlets Air 7 - 10 MM / DIN | PR82.04 |
| Medical Gas Outlets N2O - 10 MM / DIN | PR82.05 |
| Medical Gas Outlets Oxygen - 10 MM / BS | PR82.06 |
| Medical Gas Outlets Air 4 - 10 MM / BS | PR82.08 |
| Medical Gas Outlets Air 7 - 10 MM / BS | PR82.09 |
| Medical Gas Outlets N2O - 10 MM / BS | PR82.10 |
| Medical Gas Outlets Oxygen - 8 MM / DIN | PR82.11 |

02 August 2018, Istanbul, Turkey

Head of Notified Body



Enclosure of the EC Certificate:

Page 11/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Medical Gas Outlet

| Types | Model Number |
|---|--------------|
| Medical Gas Outlets Air 4 - 8 MM / DIN | PR82.13 |
| Medical Gas Outlets Air 7 - 8 MM / DIN | PR82.14 |
| Medical Gas Outlets N2O - 8 MM / DIN | PR82.15 |
| Medical Gas Outlets Oxygen - 8 MM / BS | PR82.16 |
| Medical Gas Outlets Air 4 - 8 MM / BS | PR82.18 |
| Medical Gas Outlets Air 7 - 8 MM / BS | PR82.19 |
| Medical Gas Outlets N2O - 8 MM / BS | PR82.20 |
| Medical Gas Outlets Oxygen - 8 MM / AFNOR | PR82.21 |
| Medical Gas Outlets Air 4 - 8 MM / AFNOR | PR82.23 |
| Medical Gas Outlets Air 7 - 8 MM / AFNOR | PR82.24 |
| Medical Gas Outlets N2O - 8 MM / AFNOR | PR82.25 |

Product: Vacuum Outlet

| Types | Model Number |
|---|--------------|
| Medical Gas Outlets Vacuum - 10 MM / DIN | PR80.02 |
| Medical Gas Outlets Vacuum - 10 MM / BS | PR80.07 |
| Medical Gas Outlets Vacuum - 8 MM / DIN | PR80.12 |
| Medical Gas Outlets Vacuum - 8 MM / BS | PR80.17 |
| Medical Gas Outlets Vacuum - 8 MM / AFNOR | PR80.22 |
| Medical Gas Outlets Vacuum - 10 MM / DIN | PR82.02 |
| Medical Gas Outlets Vacuum- 10 MM / BS | PR82.07 |



02 August 2018, Istanbul, Turkey

Head of Notified Body

Enclosure of the EC Certificate:

Page 12/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Vacuum Outlet

| Types | Model Number |
|--|--------------|
| Medical Gas Outlets Vacuum- 8 MM / DIN | PR82.12 |
| Medical Gas Outlets Vacuum- 8 MM / BS | PR82.17 |
| Medical Gas Outlets Vacuum- 8 MM / AFNOR | PR82.22 |

Product: Jacks for Vacuum

| Types | Model Number |
|--|--------------|
| Probes - Vacuum - Stainless Steel/ BS | JK90.60 |
| Probes - Vacuum - Stainless Steel/ DIN | JK90.61 |
| Probes - Vacuum - Stainless Steel/ AFNOR | JK90.62 |
| Probes - Vacuum - Stainless Steel/ DISS | JK90.63 |
| Probes - Vacuum - Stainless Steel/ CHEMETRON | JK90.64 |
| Probes - Vacuum - Stainless Steel/ OHMEDA | JK90.65 |
| Probes - Vacuum - Brass / BS | JK90.66 |
| Probes - Vacuum - Brass / DIN | JK90.67 |
| Probes - Vacuum - Brass / AFNOR | JK90.68 |

Product: Manifold and Line Pressure Regulators

| Types | Model Number |
|--|--------------|
| Manifold Sys. W. Double Regulator W/O Alarm 40 m ³ /h | GZ71.20 |
| Manifold Sys. W. Double Regulator With Alarm 40 m ³ /h | GZ71.21 |
| Manifold Sys. W. Double Regulator W/O Alarm 150 m ³ /h | GZ71.22 |
| Manifold Sys. W. Double Regulator with Alarm 150 m ³ /h | GZ71.23 |



02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE



Enclosure of the EC Certificate:

Page 13/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Manifold and Line Pressure Regulators

| Types | Model Number |
|---|--------------|
| H.P.R. Single Regulator 100 m ³ W/O Alarm | GZ70.10 |
| H.P.R. Single Regulator 100 m ³ With Alarm | GZ70.20 |
| H.P.R. Single Regulator 35-40 m ³ W/O Alarm | GZ70.30 |
| H.P.R. Single Regulator 35-40 m ³ With Alarm | GZ70.40 |
| H.P.R. Single Regulator 150 m ³ | GZ70.50 |

Product: Pressure Regulator

| Types | Model Number |
|--|--------------|
| Regulator (Without Adaptor)/ Oxygen | FG50.10 |
| Regulator (Without Adaptor)/ Nitrous Oxide | FG50.20 |
| Regulator (Without Adaptor)/ Vacuum | FG50.30 |
| Regulator (Without Adaptor)/ Medical Air 4 | FG50.40 |
| Regulator (Without Adaptor)/ Medical Air 7 | FG50.50 |
| Regulator Oxygen/ BS | FG50.11 |
| Regulator Nitrous Oxide/ BS | FG50.21 |
| Regulator Vacuum/ BS | FG50.31 |
| Regulator Medical Air 4/ BS | FG50.41 |
| Regulator Medical Air 7/ BS | FG50.51 |
| Regulator Oxygen/ DIN | FG50.12 |
| Regulator Nitrous Oxide/ DIN | FG50.22 |
| Regulator Vacuum/ DIN | FG50.32 |
| Regulator Medical Air 4/ DIN | FG50.42 |
| Regulator Medical Air 7/ DIN | FG50.52 |
| Regulator Oxygen/ AFNOR | FG50.13 |

02 August 2018, Istanbul, Turkey

Head of Notified Body

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Enclosure of the EC Certificate:

Page 14/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Pressure Regulator

| Types | Model Number |
|------------------------------------|--------------|
| Regulator Nitrous Oxide/ AFNOR | FG50.23 |
| Regulator Vacuum/ AFNOR | FG50.33 |
| Regulator Medical Air 4/ AFNOR | FG50.43 |
| Regulator Medical Air 7/ AFNOR | FG50.53 |
| Regulator Oxygen/ DISS | FG50.14 |
| Regulator Nitrous Oxide/ DISS | FG50.24 |
| Regulator Vacuum/ DISS | FG50.34 |
| Regulator Medical Air 4/ DISS | FG50.44 |
| Regulator Medical Air 7/ DISS | FG50.54 |
| Regulator Oxygen/ CHEMETRON | FG50.15 |
| Regulator Nitrous Oxide/ CHEMETRON | FG50.25 |
| Regulator Vacuum/ CHEMETRON | FG50.35 |
| Regulator Medical Air 4/ CHEMETRON | FG50.45 |
| Regulator Medical Air 7/ CHEMETRON | FG50.55 |
| Regulator Oxygen/ OHMEDA | FG50.16 |
| Regulator Nitrous Oxide/ OHMEDA | FG50.26 |
| Regulator Vacuum/ OHMEDA | FG50.36 |
| Regulator Medical Air 4/ OHMEDA | FG50.46 |
| Regulator Medical Air 7/ OHMEDA | FG50.56 |



02 August 2018, Istanbul, Turkey

Head of Notified Body

Enclosure of the EC Certificate:

Page 15/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Pressure Regulator with Flowmeter

| Types | Model Number |
|---|--------------|
| Oxygen Therapy Device (Without Adaptor) | FM21.85 |
| Oxygen Therapy Device Bull Nose | FM21.86 |
| Oxygen Therapy Device Din | FM21.87 |
| Oxygen Therapy Device Pin Index | FM21.88 |

Product: Vacuum Regulators

| Types | Model Number |
|------------------------------------|--------------|
| Regulator Vacuum (Without Adaptor) | FG50.30 |
| Regulator Vacuum BS | FG50.31 |
| Regulator Vacuum DIN | FG50.32 |
| Regulator Vacuum NF | FG50.33 |
| Regulator Vacuum DISS | FG50.34 |
| Regulator Vacuum CHEMETRON | FG50.35 |
| Regulator Vacuum OHMEDA | FG50.36 |
| Vacuum Regulator (Without Adaptor) | FG51.01 |
| Vacuum Regulator BS | FG51.02 |
| Vacuum Regulator DIN | FG51.03 |
| Vacuum Regulator NF | FG51.04 |
| Vacuum Regulator DISS | FG51.05 |
| Vacuum Regulator CHEMETRON | FG51.06 |
| Vacuum Regulator OHMEDA | FG51.07 |



02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE



Enclosure of the EC Certificate:

Page 16/17

**Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535**

Concerned medical devices;

Product: Vacuum Regulators

| Types | Model Number |
|--|--------------|
| Vacuum Regulator New (Without Adaptor) | FG52.01 |
| Vacuum Regulator New BS | FG52.02 |
| Vacuum Regulator New DIN | FG52.03 |
| Vacuum Regulator New NF | FG52.04 |
| Vacuum Regulator New DISS | FG52.05 |
| Vacuum Regulator New OHMEDA | FG52.06 |
| Vacuum Regulator Standard (Without Adaptor) | FG52.10 |
| Vacuum Regulator Standard BS | FG52.11 |
| Vacuum Regulator Standard DIN | FG52.12 |
| Vacuum Regulator Standard NF | FG52.13 |
| Vacuum Regulator Standard DISS | FG52.14 |
| Vacuum Regulator Standard Ohmeda | FG52.15 |
| Ventury System Suction Units (Without Adaptor) | FG53.01 |
| Ventury System Suction Units BS | FG53.02 |
| Ventury System Suction Units DIN | FG53.03 |
| Ventury System Suction Units NF | FG53.04 |
| Ventury System Suction Units DISS | FG53.05 |
| Ventury System Suction Units OHMEDA | FG53.06 |
| Ventury System Suction Units (Without Adaptor) | FG53.10 |
| Ventury System Suction Units BS | FG53.11 |
| Ventury System Suction Units DIN | FG53.12 |
| Ventury System Suction Units NF | FG53.13 |
| Ventury System Suction Units DISS | FG53.14 |
| Ventury System Suction Units OHMEDA | FG53.15 |

02 August 2018, Istanbul, Turkey

Head of Notified Body



CERTIFICATE

Enclosure of the EC Certificate:

Page 17/17

Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-18-535

Concerned medical devices;

Product: Surgical Suction Unit

| Types | Model Number |
|---|--------------|
| Surgical Suction Units | SU60 |
| Surgical Suction Units 2 X 3 L Vacuum Jar | SU60.10 |
| Surgical Suction Units 2 X 5 L Vacuum Jar | SU60.15 |
| Surgical Suction Units 2 X 2 Lt Vacuum Jar | SU60.22 |
| Surgical Suction Units 2 X 3 Lt Vacuum Jar | SU60.33 |
| Surgical Suction Units 2 X 3 L Reusable Vacuum Jar, Extractor | SU60.05 |

Product: Central Vacuum System

| Types | Model Number |
|-----------------------|--------------|
| Central Vacuum System | AT20.75 |

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02 August 2018, Istanbul, Turkey

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