





CATALOGUE

SINCE 1958





Technology for safe and reliable healthcare

- WE ARE DEVELOPING 55 YEARS' MANUFACTURE EXPERIENCE AND BRAND NAME TRADITION IN THE FIELD OF MEDICAL GAS TECHNOLOGY
- WE ARE FOCUSING OUR PRODUCTION SCOPE ON INSTALLATION OF FINAL ELEMENTS TO MEDICAL GAS DISTRIBUTION SYSTEMS, INCLUDING GAS SOURCES AND GAS PIPELINE NETWORK
- WE OFFER ALL-INCLUSIVE OPTIONS LIKE PROJECT STUDY, INTERIOR DESIGN, BUILD-UP, MANUFACTURE, FINAL ASSEMBLY ON-SITE AS WELL AS AFTER-SALE SERVICES
- WE ARE EUROPEAN MANUFACTURERS HAVING A HIGH QUALITY OF PRODUCTS, PROFESSIONAL STAFF AND TOP EXPERIENCED EXPERTS
- WE HAVE STRONG AND FLEXIBLE TEAM OF DESIGNERS-ENGINEERS WHO ARE ABLE TO PROVIDE A FULL CUSTOMIZED SOLUTION
- WE GUARANTEE RELIABLE SHIPMENTS TO ALL CUSTOMERS IN A SHORT TIME
- WE DESIGN OUR PRODUCTS UPON CUSTOMERS' WISHES AND THEIR REQUESTS ON GLOBAL APPEARANCE OF INTERIOR
- WE COMPLY INTERNATIONAL DIRECTIVES AND RULES RELATED TO MEDICAL DEVICES CONCERNED AND MEDICAL GAS DISTRIBUTION SYSTEM
- WE USE FIRST-CLASS MATERIALS AND APPLY LATEST TECHNOLOGY IN PRODUCTION PROCESSING, WHICH CONTRIBUTES TO A PROTECTION OF ENVIRONMENT
- WE PROVIDE ALL-IN-ONE ASSISTANCE TO OUR CUSTOMERS THROUGH AUTHORIZED DEALERS LOCATED ON-SITE
- WE ARE RELIABLE AND LONG-TERM PARTNERS FOR HEALTHCARE PROFESSIONALS WORLDWIDE



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SWIVELLING AND TILTING CEILING PENDANTS









CELLING PENDANT TYPE →	OK07-57	OK07-55	OK07-28	OK07-16	OK07-05	PS07	VK07
horizontal setting	х	х	х	х			
single armed		х		х			
double armed	Х		х				
vertical setting	Х	Х					Х
source column A (head)	Х	Х	Х	Х	Х	Х	Х
source column L (head)	Х	Х	х	х	Х		
source column Z (head)			х	х	х		
rotary source column (head)	Х	х	х	х	х		











SWIVELLING AND TILTING CEILING PENDANTS

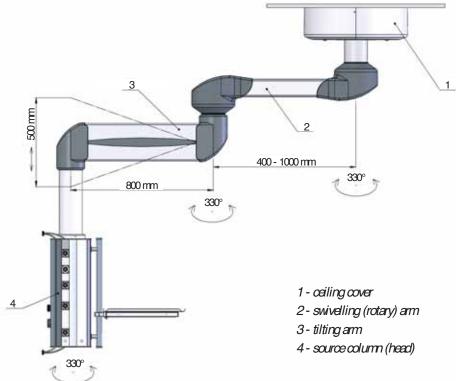




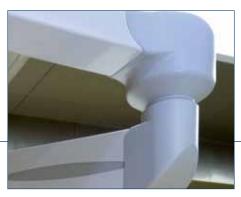
















SWIVELLING AND TILTING CEILING PENDANTS

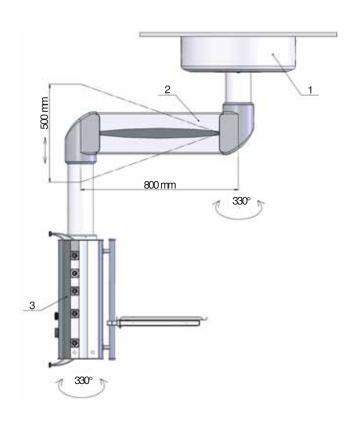
















- 1 œiling cover
- 2 tilting arm
- 3 source column (head)





SWIVELLING CEILING PENDANTS

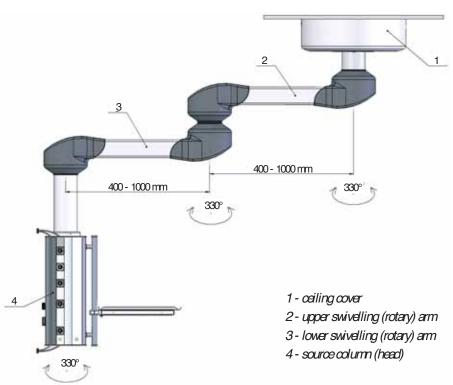




















SWIVELLING CEILING PENDANTS

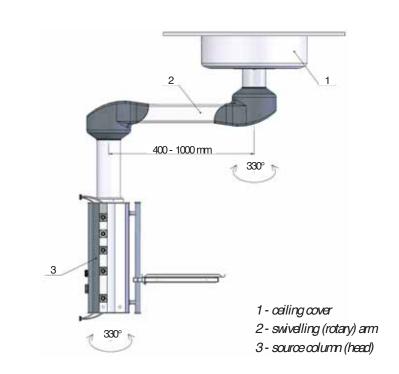




















STATIONARY CEILING PENDANTS PS07



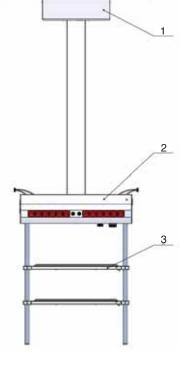


This type of calling pendant allows an installation of source column in a particularly specified place.

- 1 œiling cover
- 2 source column (head)
- 3 suspended shelf system







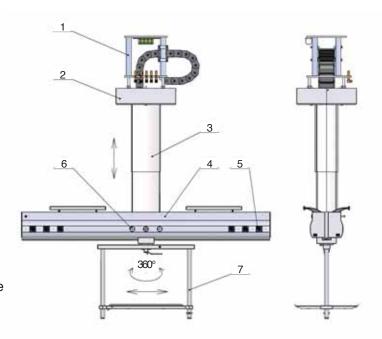


HEIGHT- ADJUSTABLE CEILING PENDANTS VK07

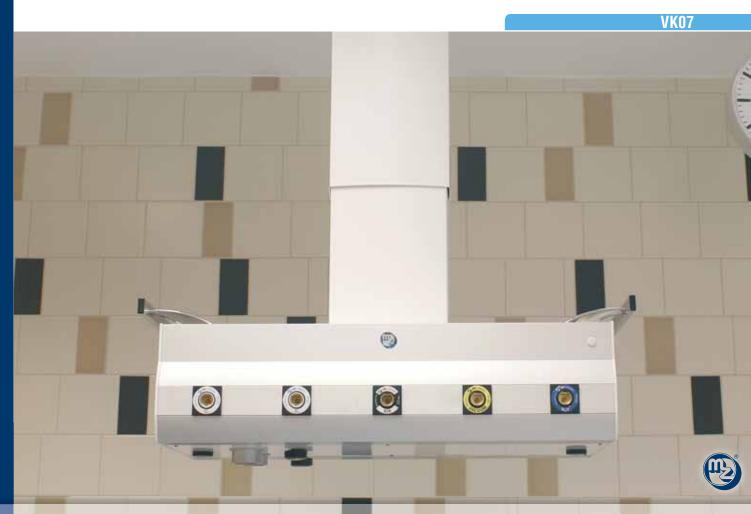




This type of ceiling pendant allows an installation of source column in a particularly specified place and its setting in a vertical position.



- 1 fault ceiling part
- 2 œiling cover
- 3 retractable stem
- 4 source column (head)
- 5 medical gas outlet
- 6 inspection (control) gauges
- 7 roller with shelves



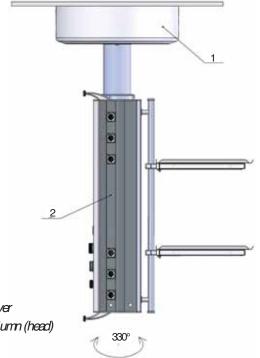


STATIONARY CEILING PENDANTS 0K07-05



This type of ceiling pendant allows an installation of source column in a particularly specified place and its own axis rotation.





2 - source column (head)



WITH COMPACT SPRING BALANCED ARMS SPR10, SPR11

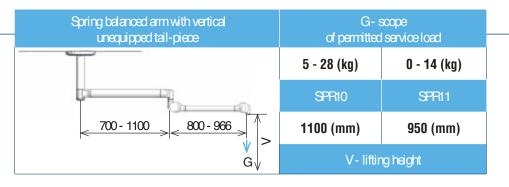








The ceiling pendants with compact spring balanced, tilting and swivelling (rotary) arms manufactured in types SPR10 or/and SPR11 and their combinations, are carriers of medical accessories - operating lights, cameras, monitors, X-ray protective barriers and others.















SOURCE COLUMNS →	L06	L10	L15	А	Z
length of rods to shelves and accessories (mm)		1000	1500	400 - 1000	0
recommended number of shelves		2	4	1	Х
tread depth				Х	
tread depth free	Х	Х	Х		Х
usually for anaestheologist workplace				Х	Х
usually for surgeon workplace	Х	Х	Х		
usually for surgical intervention operating theatres	Х			Х	









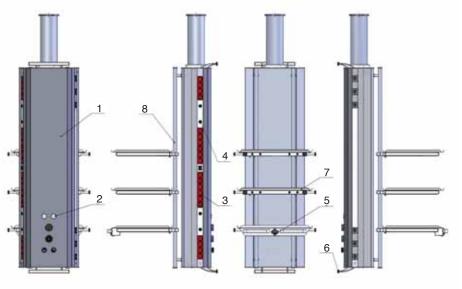






- 1 back column cover
- 2 air motor outlet and AGSS outlet
- 3 high-voltage electrical outlet
- 4 jack bushes (earthing)
- 5 arm motion control
- 6 medical rail
- 7 shelf
- 8 rod for shelves and other accessories











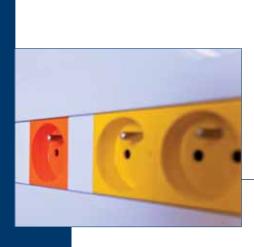


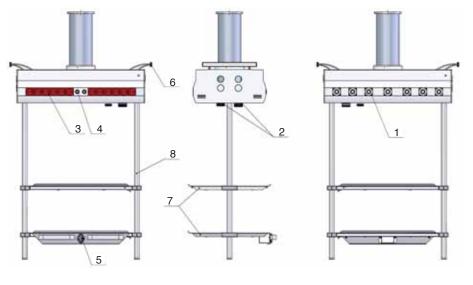






- 1 medical gas quick outlets
- 2 air motor outlet and AGSS outlet
- 3 high-voltage electric sockets
- 4 jack bushes (earthing)
- 5 arm motion control
- 6 medical rail
- 7 shelf
- 8 rod for shelves and other accessories







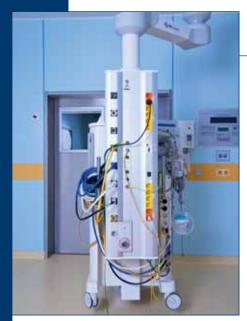






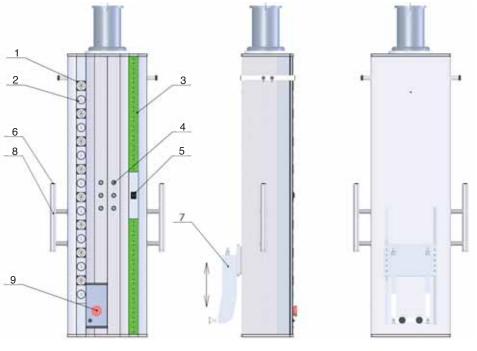






- 1 medical gas quick outlets
- 2 gauges
- 3 high-voltage electric sockets
- 4 jack bushes (earthing)
- 5 lift control of machine holder
- 6 arm motion control
- 7 holder of anesthesiology machine
- 8 handle with control button
- 9 air motor outlet and AGSS outlet









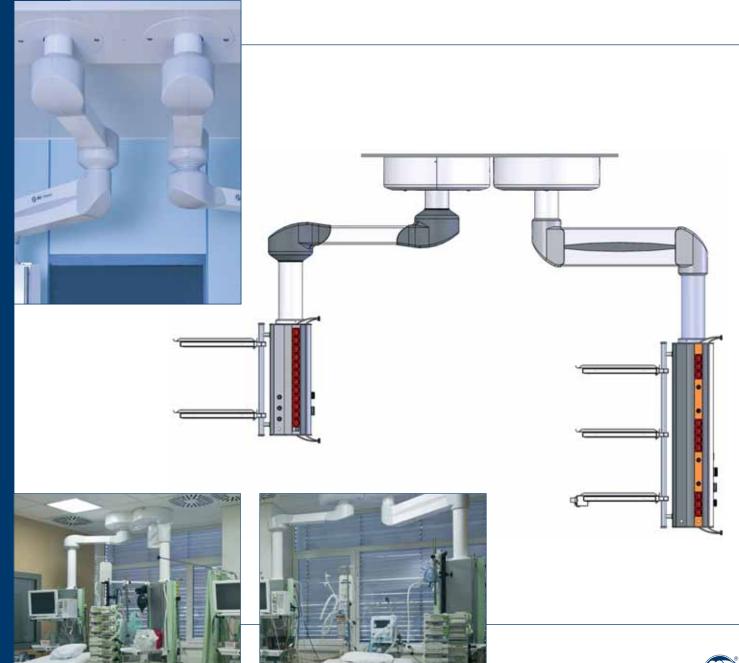
TANDEM OPTION OF CEILING PENDANTS









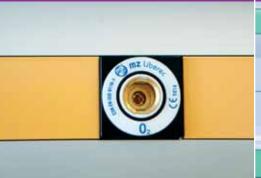




BED HEAD UNITS

BED HEAD UNITS









BED HEAD UNIT TYPE →	DN0	DN1	DN2	DN3	DN3-Z	ZS07
horizontal installation	х	х	х	Х	Х	-
vertical installation						Х
direct and night lighting	Х	х	Х			
indirect lighting	Х	Х	Х			Х
fitting to medical gases		х	Х	Х	Х	Х
for in-patient wards	Х	х	Х		Х	
for ICU			Х	Х	Х	Х
wall built-in					х	
multiple-bed options	Х	Х	Х	Х		







BED HEAD UNITS

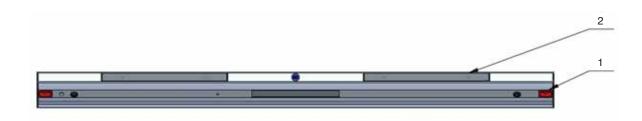






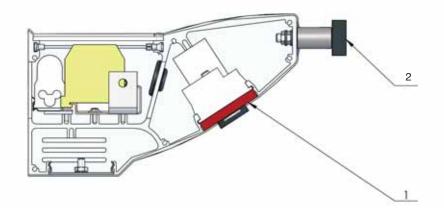






- 1 high-voltage electric sockets
- 2- medical rail









BED HEAD UNITS

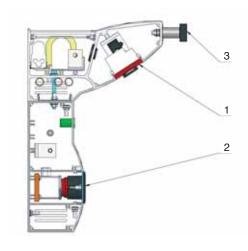


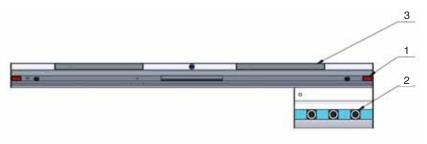












- 1 high-voltage electric sockets
- 2 medical gas quick outlets
- 3 medical rail









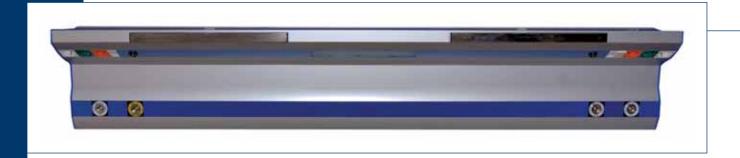
BED HEAD UNITS

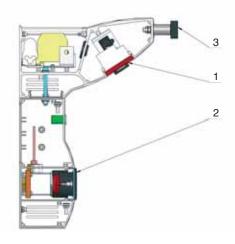


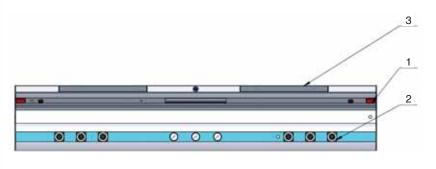










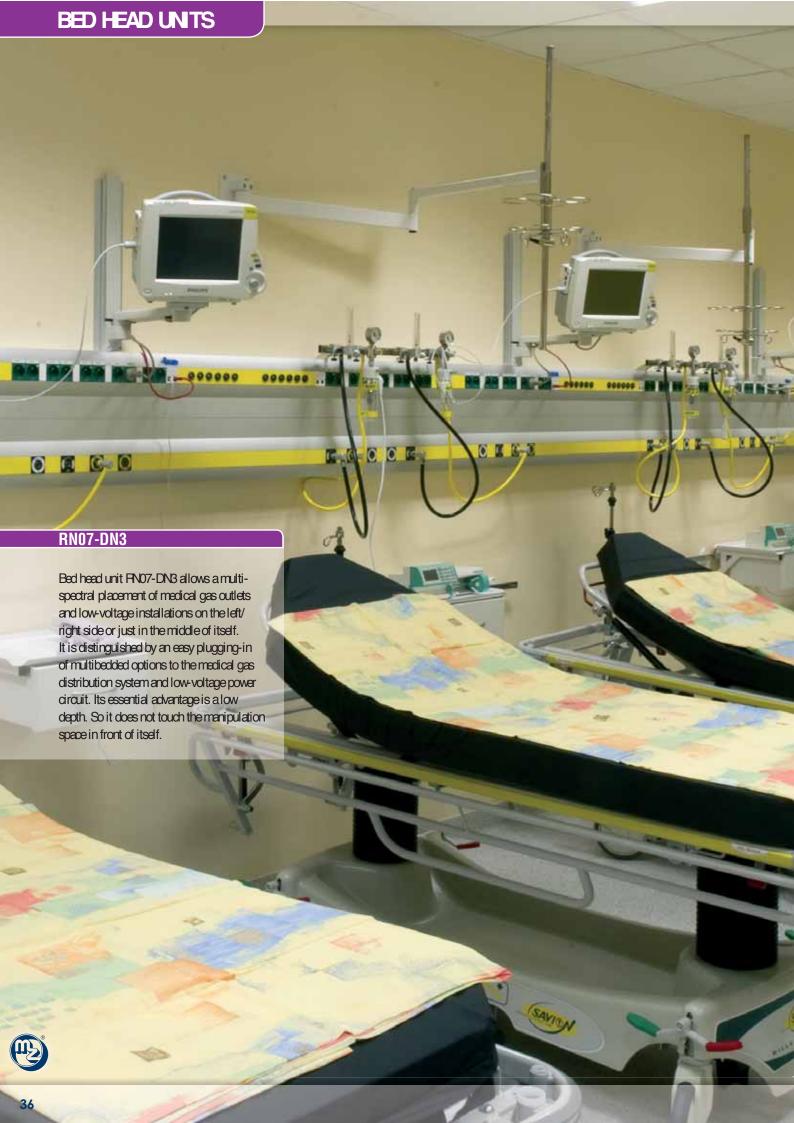


- 1 high-voltage electric sockets
- 2 medical gas quick outlets
- 3 medical rail



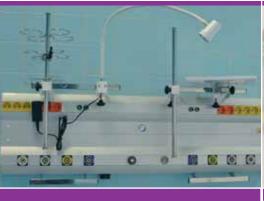






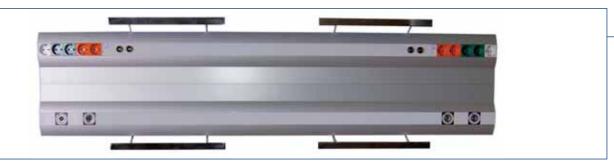
BED HEAD UNITS

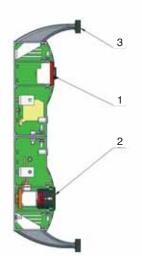


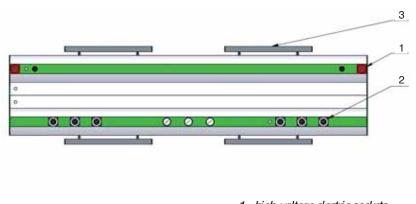












- 1 high-voltage electric sockets
- 2 medical gas quick outlets
- 3 medical rail







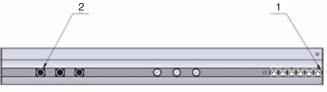


SINGLE-CHANNELLED RN07-DN3



Bed head unit FN07-DN3 is designed for standard patient wards with a need of medical gas outlets. It contains high-voltage and low-voltage installations. Medical rail and other optional accessories can be mounted on. Its essential advantage is a low depth. So it does not touch the manipulation space in front of itself.





- 1 high-voltage electric sockets
- 2 medical gas quick outlets



IN-BUILT RN07-DN3Z



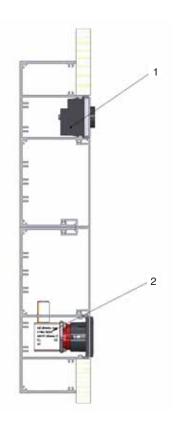




This bed head unit is designed for standard in-patient wards with the need for outlets of medical gases, high-voltage electricity and low-voltage installations.

Optional accessories can be mounted on bed head unit, too. Its main feature is the design intended for installation in the interior (part of a furniture set, behind a painting, etc.)

- 1 high-voltage electric sockets
- 2 medical gas quick outlets



RN07-DN3Z

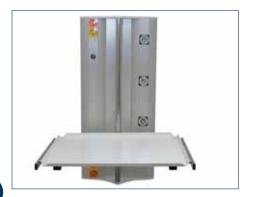


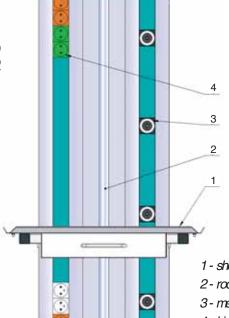


SUPPLY COLUMNS ZS07



Supply columns are mainly used in places where it is impossible to install bed head unit, i.e. between windows, glazed walls, support columns, etc. The rod mounted on th column foreside is intended for fixation of adjustable rotar shelves with medical rails and accessories.





- 2 rod for shelves and other accessories
- 3 medical gas quick outlets
- 4 high-voltage electric sockets



SUPPLY COLUMNS ZS07L





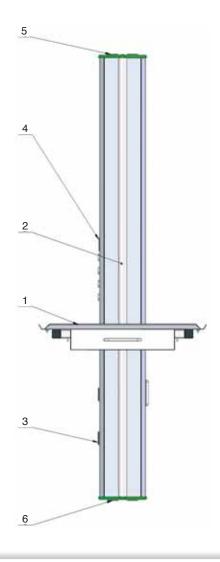




These vertical supply columns are primarily fitted in such a space where bed head units cannot be wall-mounted, i.e. between windows, on glass-walled areas, on supporting pillars etc.. In the front side of supply column there is a rod used for fixation of height-adjustable and adaptive shelves equipped with medical rails and accessories.

- 1 shelf
- 2 rod for shelves and other accessories
- 3 medical gas quick outlets
- 4 high-voltage electric sockets
- 5,6 indirect lighting









MEDICAL BEAM



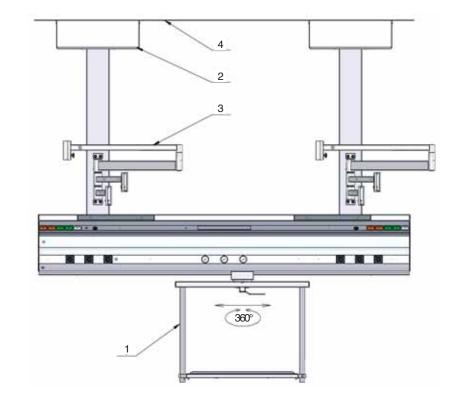








- 1 rotary roller with shelf
- 2 ceiling cover
- 3 arms for accessories
- 4 suspended ceiling depth









MEDICAL BEAMS



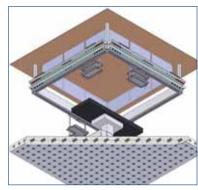
LAMINAR ZMP07



Laminar medical beam ZMP07 is used wherever a laminar air-flow coming from ceiling to be streamlined., namely in supra-aseptic environment. It is available in U- or L-shaped options, too.



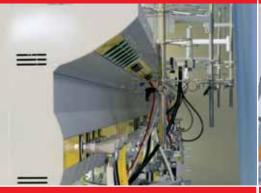






DOUBLE-SIDED ZMP07

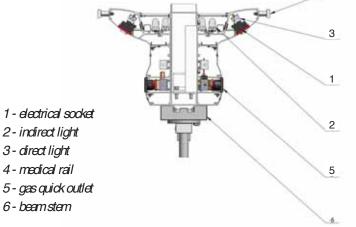








This type of medical beam is used wherever medical gas outlets and high/low-voltage installations to be fitted both module sides.







COMPRESSOR STATIONS



Compressor station provides (in automatic mode) the required pressure and the planned flow of medical compressed air, in a quality complied with European Directives as well as other standards valid worldwide. They are stationary units available in several options, e.g. oilfree-oil, spiral-piston, differing each other by cooling substance, type of drive, etc. Standard compressor stations are supplied with an output of 2.2 to 608 Nm²/hour.









VACUUM STATIONS









It provides (in automatic mode) the required suction and the planned flow of medical vacuum for needs of vacuum suction. A very important part is treatment and cleaning of contamined exhaust air. Therefore, it is necessary to equip each vacuum station in automatic mode with perfect antibacterial filter and dirt arrester.

Standard range of vacuum stations with capacities from 6.4 to 632 Nm³/hour is supplied.



MEDICAL GAS SOURCE STATIONS



CYLINDER STATIONS



Oylinder solution is the oldest, the most proven and also the cheapest investment method how to arrange the medical gas supply. However its great disadvantage consists in a difficult handling with heavy cylinders and in a costly maintenance. We supply cylinder sources with automatic, semi-automatic and manual switches. The designed flow is 15 m³/hr to 300 m³/hr.









OXYGEN CONCENTRATORS









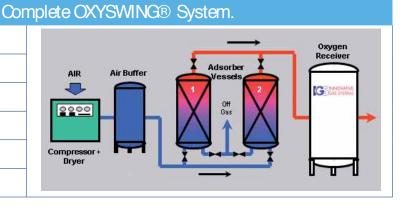
Air Compressor Refrigerated Dryer

Air Buffer Tank

PSA Concentrator

Oxygen Receiver

Sterile Filters



Oxygen concentrator is based on the use of molecular sieves being able to separate nitrogen from oxygen because of different size of molecules. This equipment is able to produce oxygen-enriched air with 93-95% oxygen. This gas may replace medical oxygen in case all required features are observed. Oxygen concentrator is available in six different volumes with a production capacity from 3 to 48 Nm²/hr 0₃.





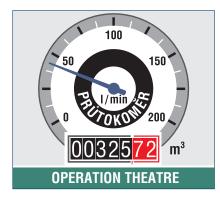
GAS PRESSURE WARNING MZU 010 / II

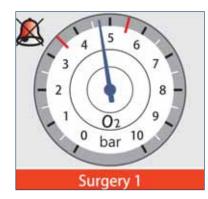


MZU 010 / II

Monitoring device MZU with touchscreen is designed for clinical and operational status warning in medical gas pipeline and distribution resources. Its purpose is either to warn the staff by means of light or/and sound alarm that something unusual with gas pressure, flow or supply happened, or to send a status information to external devices. MZU can be built-in or wall-mounted, its setting is always done in menu using a touchscreen. The pre-setting of the monitored parameters is done in device menu through touchscreen directly at the place of installation







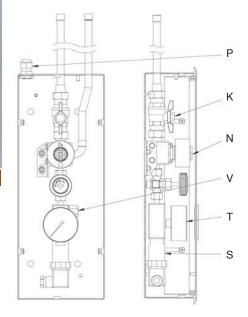


GROUP ISOLATORS









Group isolator is intended for stopping the gas flow to the next distribution area. It serves solely for emergency purposes and for maintenance, not for routine use. Its pressure sensors are designed for warning because of non-standard pressure in the distribution area concerned. They are configured for upto 5 gases, including any combination of your own choice.

K-branch closing (*ball cocks with selected parameters)

V-drains

N-emergency inputs: DN4, PN 10 medical gas quick outlets

T- output pressure gauges *

S - pressure sensors* (for signalling systems)

P-signalling wire passage



GAS DISTRIBUTION ELEMENTS



WALL-MOUNTED PANELS



UR.17 B

Wall-mounted panels is connecting point to the medical gas distribution network. It can be equipped either with a medical gas quick outlet specified for gas concerned or with a pressure gauge. They are manufactured in two options - either with surgical instruments drive - air engine or with exhaust system adapted to exhale mixtures of anaestethic gases - AGSS. It can be built-in or wall-mounted.









GAS QUICK OUTLETS









Cas quick outlet is intended for easy connection and disconnection of two distribution sections. When connected with the counter-piece in question, the tough and tight circuit is created. In case of disconnection it works like a self-acting stopper with separation valve. The gas quick outlet is available in several options that differ each other with a kind of mounting on mother board and way of connection to the central distribution network. It is immutable for certain gases and manufactured in colour-distinguishable media options. The adaptors are placed into the gas quick outlets and such a connection becomes a functional unit.

Gas	Colour
$O_{\!\scriptscriptstyle 2}$	white
$N_2^{}O$	blue
air	black & white
negative pressure	yellow & black
$\infty_{\!\scriptscriptstyle 2}$	grey
	O ₂ N ₂ O air







FLOWMETERS DISPENSERS-HUMIDIFIERS



They are intended for oxygen dosage from central distribution network and simultaneously for its efficacious humidification. The relative oxygen humidity is 80 pct at least. They can be easily linked up to other oxygen distribution sealings with gas quick outlets. Their flow can be adjusted in two levels - 1 to 5 l/min and/or 2 to 20l/min.









VACUUM REDUCTION VALVE



55







RV.02 is a special low-pressure reduction valve intended for manual pressure adjustment of passing-through fluid media. Its connectable to all (formerly or temporarily) manufactured gas quick outlets. Input pressure is 300 - 1000 kPa, output pressure is 20 - 700 kPa

Vacuum reduction valve type VP01 is intended for a reduction of underpressure coming from central distribution underpressure circuit. It is connectable to all underpressure distribution sealings with gas quick outlets. The underpressure adjustment is achieved by turning the regulation knob located in the valve body axis. It is equipped with a vacuum meter that may check the output underpressure in a range from 0 up to 100 kPa.

RV.02

VR.01

VR.01

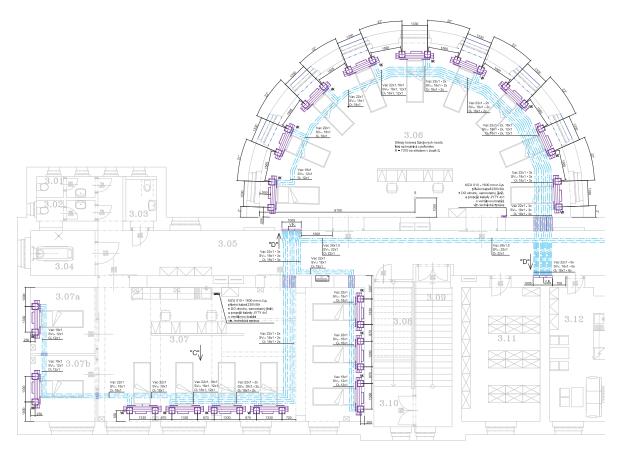
VR.01

VR.01

PROJECT ENGINEERING

The company is fully certified for all its project engineering activities. The team of designers is ready to give a turn-key project solution, i.e. gas sources, pipeline distribution network and source column supply units of medical as well as technical gases included. Any project engineering services are provided in a full compliance with EN 7396 or local norms (if requested). We are able to satisfy any customers, starting from small projects through huge hospital deals. The top-class project study is always tailor-made and trying to meet all client's possible and/or impossible dreams.







PROJECT ENGINEERING, ASSEMBLY, SERVICE & MAINTENANCE

ASSEMBLY

Our experienced and permanently well-trained staff provides an high-quality assembly of the supplied medical gas devices on-site, both in the Czech republic and in abroad. These assembly services are done in a conformity to EN 7396. The assembly period is tailored to the customers' requests and notions.



SERVICE AND MAINTENANCE

We offer a wide range of services that may seriously reduce the standard user's risks. Such services are provided within a guarantee period or/and thereafter, general overhauls included. Furthermore the safety and functionality testing (like regular safety technical controls), check-ups, inspections, drawing-ups of operational documents, status reports (including rectification proposals) are realized as well.

On the territory of the Czech republic we are entitled to provide and to offer quality check-ups of medical gases as per European Pharmacopoeia. Our laboratory has been appointed for that business by the State Institute of Drug Control in Prague.





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQS hereby certify that the organization

MZ Liberec, a.s. U Nisy 362/6, 460 01 Liberec 3, Czech Republic Premise Rudnik

for the following processes

for the following processes
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has implemented and mentains a

Quality Management System

ISO 9001: 2008

Issued on: 2010 - 00 - 24 Validity date: 2013 - 98 - 24 Registration Number: CZ - 2242/2010

-IQNet -

Normer

Violatinir Filial President of CQS

CQS

René Wasmer President of IQNet

AMNUE Spain APRUE Cordination France AID-Visiones Institution Dispain AINCE Mexico AICER Persipal CINQ Ralg COC Thins COM Chain COM Chain College Control Institution Dispain AINCE Mexico AICER Persipal CINQ Ralg COC Thins COM Chain COM Chain College Control Institution College College



CERTIFICATE

THE INTERNATIONAL CERTIFICATION NETWORK

IQNet and CQS hereby certify that the organization

MZ Liberec, a.s. U Nisy 362/6, 460 01 Liberec 3, Czech Republic Premise Rudnik

FEBTISE PRODUCTS

For the Sifowing processes

Inchaleing, developing, see, including and service, vol. Serving or specifing personnel and management

- including and subcompare processes.

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Quality Management System

which fulfills the requirements of thefollowing standard

ISO 13 485: 2003

Issued on: 2010 - 05 - 24 Validity date: 2013 - 48 - 24

Registration Number: CZ - 174/2010

- IQNet -

Ch. Wohner

CQS Inline

René Wasmer President of IQNet Viodimir Filial President of CQS

ADOM Jawa AFROR Certification, Prenze AIB-Vicques International Judgium ARCE Macine ARCER Perinquis CDIQ Judgi CQC China CQM Chem CQG Chem Jaqualle Control Counts Del Judgium ARCE Macine ARCER Perinquis CDIQ Judgi CQC China CQM Chem CQG Chem Jaqualle Control Counts Del Judgium ARCE Armony DR Demonstra Excit Chemos AM Judgium PANDON/GRAN Vicesconia INSCAA None MCS Changes Parked ARS Jurings SIAN Jobies PERC Perind Quality Austria Austria RE Buccie III Junea CQC Sincerca (RIBM QAS International Malaysis SQS Bustrachud SIAN Judgium ARCE Armony IIII ARCE ARCEN A

CQS - Czech Association for Quality Certification Pod Lisem 129, 171 02 Fraha 8 - Troja Czech Republic

CQS is the Certification Body accredited according to Standard BN (SQREC 17021.2007 by the Czech Institute for Accreditation under the registration No 3029 for the Certification of Quality Management Systems





CERTIFICATE

No.: CQS 174/2010

CQS - Czech Association for Quality Certification - certifies that the Quality Management System of

MZ Liberec, a.s.

U Nisy 362/6, 460 01 Liberec 3, Czech Republic

has been assessed and found to be in conformity with the require

EN ISO 13485 : 2003

with respect to the following scope. Technical areas are presented in the audit report dated 23.06.2012 obet planning, purchase, development, production, sale, instalation and service of non-active and active me devices:

L, purchase, development, production, east, instruction are alrended from cattering and development development.
Grad gas central distribution and AUSS systems according to the standard CSN EN 737 and their components, inc. medical supply units according to CSN EN ISO 1197 and gas souther components.
— distributions of technical gases and their components in the connection of distributions systems (counterparts of quick couplings, doeing meters of gas, organ humidifient).

— eightor excump inputs, regulation of measure and secours atc.
— reduction to medical supply units and to distributions of medical gases for example holders or action pumps and enhancement of medical gases for example holders or action pumps and enhancement and examines to the standard or second enhancement of the standard or second enhancement or the standard connection to pressure bottles.

The certificate is valid until: 24. 06. 2013
Certification decision: 24. 06. 2010
Date of sause: 24. 08. 2010
Date of change: 23. 08. 2012
Date of granting the first certificate: 10. 06. 2004







CQS Members*
Estembers/cqs (substitution, s.p., Fysikanik fachocky student sales, s.p., septiminis fachocky student sales, s.p., Technolog a student class state (Final, s.p., s.p.) — solitopry planet—2024, Technologist substitution of the trans of the central substitution of the trans of the sales of the central sales of the transit of the sales of the central sales of the central sales of the central sales of the sales of the central sales of the central sales of the central sales of the sales of the central sales of the sales of t

CQS - Czech Association for Quality Certification Pod Lisem 129, 171 02 Praha 8 - Troja Czech Republic





CERTIFICATE

No.: CQS 2242/2010

CGS - Cosch Association for Quality Certification - certifies that the Quality Management System of

MZ Liberec, a.s. U Nisy 362/6, 460 01 Liberec 3, Crech Republic Premise Rudnik

EN ISO 9001 : 2008

The certificate is valid untit. 24.08.2013 Certification decision: 24.08.2010 Date of issue: 24.08.2010 Date of granting the first certificate: 10.06.2004

- IQNet -









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ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV



ELECTROTECHNICAL TESTING INSTITUTE - CZECH REPUBLIC
ELEKTROTECHNISCHE PRÜFANSTALT - TSCHECHISCHE REPUBLIK
INSTITUT ELECTROTECHNIQUE D'ESSAIS - RÉPUBLIQUE TCHÉQUE
JJEKTPOTECHNIQUECKSŐ HICTILITATEJBAHSÍÐ HICTHTYT - VEIJICKAR PECTYKJENKA

Pod Lisem 129, 171 02 Praha 8 - Troja

CE - CERTIFICATE

of full quality assurance system

No.: MED 090049

The Electrotechnical Testing Institute, Notified Body No. 1014, has decided that Quality System applied by

manufacturer

MZ Liberec, a.s.

U Nisy 362/6, 460 01 Liberec 3, Czech Republic

for design, manufacture and final inspection of medical devices

Medical devices (of categories IIa IIb):

- medical source units in accordance with ČSN EN ISO 11197 and their components (gas outlets, ejectors, gas seals).
- items, attachable to outputs of gas distribution and AGSS systems (gas outlets counterparts, gas dispensers, humidifiers, ejector suction bottles, pressure and vacuum regulators),
- reducing valves, attachable to cylinders, determinated for medical gases applications and their accessories.

complies with provisions of Annex 2 section 3 of Governmental Order No. 336/2004 Coll. (Annex II section 3 of the Council Directive 93/42/EEC) incl. amendments.

This decision is based on the results presented in report No. 901161-01 of: 19.05.2009

In accordance with Art. 5 of Governmental Order No. 336/2004 (Art. 17 of Directive 93/42/EEC), incl. amendments the above specified medical device must be labelled CE 1014.

The certified manufacturer is subject to a surveillance audit by the notified body in accordance with section 5 of Annex 2 of Governmental Order No. 336/2004 Coll. (Annex II section 5 of Directive 93/42/EEC) incl. amendments, and validity of the Certificate is subject to regular supervision. The manufacturer must inform the notified body about any intention resulting in significant modification of quality system or scope of included medical products. In the event that the conditions under which the Certificate has been issued are violated, the notified body may suspend the Certificate's validity or cancel the Certificate.

The validity of Certificate is limited to: 28.5.2014

29.5.2009

Prague

Gillhark

Miroslav Sedláček Certification and Inspection Manager



Stamp



901161-01



COUNTRY HOSPITAL/CLINIC

COUNTRY HOSPITAL/CLINIC

ALBANIA	SALUZ HOSPITAL TIRANA	KAZAKHSTAN	CARDIOLOGIC CENTRE KARAGANDY
AZERBAIJAN	MTN HOSPITAL BAKU	KAZAKHSTAN	PRENATAL CENTRE CHIMKENT
BELGIUM	MILITARY HOSPITAL REINE ASTRID	LEBANON	RIZK HOSPITAL BEIRUT
	IN NEDER-OVER-HEMBEECK BRUSSELS	LIBYA	JAMIL HOSPITAL
BELGIUM	REHABILITATION HOSPITAL VALIDA	LITHUANIA	HOSPITAL TRAKAJ CITY
	IN BERCHEM-STE-AGATHE BRUSSELS	LITHUANIA	REGIONAL CLINIC KLAJPEDA
CAMEROON	HOSPITAL CENTER PANAFRICAIN GSA DOUALA	LITHUANIA	FAMILY CLINIC SHAULIAJ
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CZECH REPUBLIC	INSTITUTE FOR CLINICAL	LITHUANIA	CITY HOSPITAL SANTORISHKE
	AND EXPERIMENTAL MEDICINE PRAGUE	POLAND	HOSPITAL KAMIENNA GORA
CZECH REPUBLIC	UNIVERSITY HOSPITAL BRNO	POLAND	HOSPITAL-OIOM-PULTUSK
CZECH REPUBLIC	HOSPITAL NA FRANTIŠKU PRAGUE	POLAND	HOSPITAL SW.RAFALA KRAKOW
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	PRAGUE	PORTUGAL	HOSPITAL LISBOA
CZECH REPUBLIC	THOMAYER HOSPITAL PRAGUE	ROMANIA	INEU TOWN HOSPITAL
CZECH REPUBLIC	LIBEREC REGIONAL HOSPITAL	ROMANIA	DR.GEORGE TRIFON TOWN HOSPITAL
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CZECH REPUBLIC	HOSPITAL CARLSBAD	ROMANIA	FOISOR HOSPITAL BUCHAREST
CZECH REPUBLIC	MASARYK HOSPITAL IN ÚSTÍ NAD LABEM	ROMANIA	ST.STEFAN HOSPITAL BUCHAREST
CZECH REPUBLIC	HOSPITAL JINDŘICHÚV HRADEC	ROMANIA	COUNTY EMERGENCY HOSPITAL TIMIŞOARA
CZECH REPUBLIC	HOSPITAL CHEB	ROMANIA	VICTOR GOMOIU HOSPITAL BUCHAREST
CZECH REPUBLIC	HOSPITAL "PODHORSKÁ" BRUNTÁL	RUSSIA	MATERNAL HOSPITAL OMSK
CZECH REPUBLIC	UNIVERSITY HOSPITAL ST. ANNA BRNO	RUSSIA	MATERNAL HOSPITAL SALAVAT
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FINLAND	HELSINKI UNIVERSITY HOSPITAL	RUSSIA	CITY HOSPITAL NOJABRSK
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GEORGIA	SACHKERE MEDICAL CENTER	RUSSIA	RUSSIAN FINNISH CLINIC SCANDINAVIA
GERMANY	HOSPITAL FRANKFURT AM MAIN		ST.PETERSBURG
HUNGARY	HOSPITAL DEBRECEN	SAUDI ARABIA	ZAHRAN AL-JANOUB HOSPITAL RIYADH
IRELAND	CORK UNIVERSITY HOSPITAL	SUDAN	HOSPITAL MADANI
ITALY	EUROPEAN HOSPITAL ROMA	SUDAN	SOBA UNIVERSITY HOSPITAL KHARTOUM
ITALY	POLICLINICO PORTUENSE ROMA	SYRIA	DR.SHAMI HOSPITAL DAMASCUS
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KAZAKHSTAN	EMERGENCY HOSPITAL ALMATY		TASHKENT
KAZAKHSTAN	CHILDREN HOSPITAL ALMATY	YEMEN	IBN SINA HOSPITAL AL MUKALLA























MZ Liberec, a.s.

Czech Republic

Phone: +420 488 040 375 Fax: +420 488 040 326 E-mail: export@mzliberec.cz

www.mzliberec.cz

