



HEALTHCARE

UK Catalogue

GCE[®]
MEDICAL

GCE[®]
Healthcare

Ohio Medical


THERAPY EQUIPMENT

AMVEX

GCE GROUP OVERVIEW

The GCE Group has an extensive product range to service customers within Industrial, Medical, High Purity and Speciality gas applications. The GCE Group can offer local sales and supply companies in the following locations: Austria, Benelux, Czech Republic, France, Germany, Hungary, Italy, Poland, Portugal, Romania, Spain, Sweden, Switzerland, United Kingdom, United States, China and Russia. In addition, GCE has recently opened new sales offices in India, Middle East (Dubai), Panama and Mexico and has its main production facilities based in the Czech Republic. GCE has one central distribution centre based in Kladno, just north of Prague.

MARKET LEADERS

The GCE Group is today Europe's leading company in the field of gas control and is involved in the development and manufacturing of all types of equipment for pressure and flow control of high pressure gases. GCE's main business originally concentrated in the oxy-acetylene cutting and welding market. However, with almost 100 years of experience in the handling of high pressure gases, the product range has now grown to include high purity and medical gas equipment.



GCE CORPORATE RESPONSIBILITY

Today's product portfolio fits a large variety of applications, from simple pressure regulators and blowpipes for welding and cutting to sophisticated gas supply systems for medical and electronics industry applications.

HISTORY

The origins of GCE (Gas Control Equipment) go back to the start of the 20th century when Gas Welding was first invented. The GCE group was formed as an independent company in 1987 through the merging of two of the world's leading gas and welding companies into one independent unit. GCE has grown rapidly since its establishment and is leading the restructuring of the European gas equipment industry through mergers and acquisitions. Through its extensive research and development programs GCE has set standards that have become the benchmark for the whole industry.

A COMPLETE RANGE FOR HEALTHCARE

Medical gas equipment is at the heart of what we do at GCE, we understand the need for high standards of safety, quality and reliability. We maintain a global quality management system and ensure that our products comply with applicable quality and regulatory standards, such as the Medical Device Directive 93/42/EEC, ISO 13485, MDR and more.

GCE is proud of its team of experts, who are dedicated to providing leading solutions for our customers. We work with healthcare professionals and providers around the world, supporting them to meet the needs of their patients.

GCE supplies oxygen therapy solutions to home oxygen providers who deliver healthcare services to patients at home. Many home oxygen providers count on our robust supply chain to deliver products to them when required.

Our warehouses in the United Kingdom, Germany, Czech Republic and India hold stock of our different products ensuring that we are able to respond quickly to the requirements of our customers.

We are leaders in this very important field and offer a range of competitive and industry leading medical products that include;

- > Portable Oxygen Concentrators
- > Stationary Concentrators
- > Medical Cylinder regulators
- > Suction pumps
- > Associated accessories



CONTENTS

HIGH PRESSURE REGULATORS	4	Quick Connectors.....	56
MediSelect® II	5	Trolleys	57
MediReg® II.	8	Humidifier	59
Varimed.....	11	Quality Mix Air/O2 Blender	61
MMR.....	12	Duo Y Flow Distributors.....	64
Varimed+/MMR+	13	Gas Probes	65
HOSPITAL WARD EQUIPMENT	15	Terminal units.....	68
Flow Devices	16	EMERGENCY EQUIPMENT	69
DUO Flow Devices	20	EASE II.....	70
Medimeter®	21	Ambulance panel II	72
Diamond Range Flowmeter.....	23	Ambulance panel system	74
Flowmeter Accessories	27	HOMECARE	75
Diamond Range Low Flow Flowmeter	28	Zen-O <i>lite</i> ™ - portable oxygen concentrator	76
Mediflow® II	30	Zen-O™ - portable oxygen concentrator.....	77
Mediflow® Ultra II.....	32	M50 - oxygen concentrator	78
Low Pressure Medical Hoses System.....	35	OC-E series - oxygen concentrators	79
Vacuum Regulators.....	38	ECOLite® 4000 Oxygen Conserver	80
Push-to-set™.....	39	Accessories for oxygen therapy	82
Amvex®	41	Humidification and filtration	84
Suction Units - Diamond Range.....	43	VALVES	87
Suction Units - Therapy SOS	48	Medivital®	88
Suction Accessories	49	MediVitop®.....	89
Suction ejector - Medieject II	50	Medical cylinder valves	91
Medicollect.....	52		
Rails and clamps	54		



HIGH PRESSURE REGULATORS



MEDICAL HIGH PRESSURE REGULATOR



GCE Medical Regulators are designed for use with high-pressure medical gas cylinders equipped with a medical cylinder valve. They regulate pressure and flow of medical gases to the patient. They are intended for the administration of medical gases in the treatment, management, diagnostic evaluation and care of the patient.

MediSelect® II

Regulators with adjustable flow



MediReg® II

Regulators with Preset flow



Varimed

Regulators with Pre-adjusted pressure or adjustable pressure



MMR

Multistage Regulators with Pre-adjusted pressure or adjustable pressure



MEDISELECT® II

Rotating pressure gauge which allows convenient reading

Continuous flow between settings, in the unlikely event of mechanism failure

10 YEAR LIFETIME

360°

360°

360° swivelling outlet allows wider use of positioning

Two windows - frontal and lateral allows very good visibility of set values



MEDISELECT® II

Mediselect® II is a high pressure medical gas regulator with a quick connector and flow selector. Mediselect® II is designed with a continuous flow mechanism between flow settings, which allows patients to receive gas therapy in the unlikely event of device failure.

**FREE OF
PREVENTIVE
MAINTENANCE**

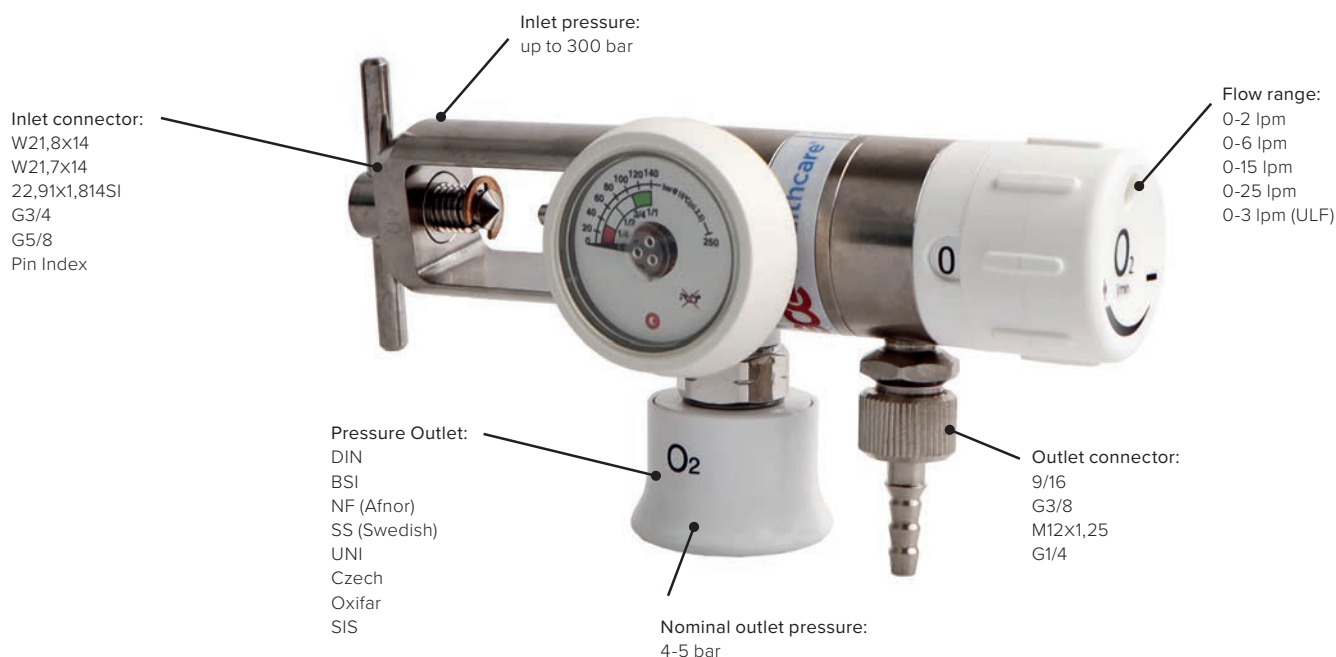
FEATURES / ADVANTAGES / BENEFITS

- > Regulator with flow selector
- > Rotating pressure gauge which allows convenient reading
- > 360° swivelling outlet – it enables better orientation of the nasal cannula or oxygen mask towards the patient (preventing from twisting)
- > Innovative self centering flow setting device with continuous flow between settings. In the unlikely event of indent mechanism failure, the patient will still be supplied with medical gas
- > Lateral and frontal reading of flow settings
- > Higher number of flow disc holes increases treatment options
- > Extra flow setting of 25 l/min on the traditional 15 l/min variant, allows use in resuscitation
- > The additional 7 l/min is intended for nebulization

TECHNICAL DATA	
Gas	O ₂ , Air, N ₂ O, CO ₂ , N ₂ O/O ₂ , Xe
Inlet pressure range	Up to 300 bar
Nominal outlet pressure	4 bar
Flow ranges*	
0 to 2 lpm	0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 1, 1.5, 2
0 to 3 lpm	0, 1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1.5, 2, 3
0 to 6 lpm	0, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 4, 5, 6
0 to 15 lpm	0, 1, 2, 3, 4, 5, 6, 7, 9, 12, 15
0 to 25 lpm	0, 1, 2, 3, 4, 5, 6, 7, 9, 12, 15, 25
Inlet connection	According to national standards
Outlet connection	9/16 UNF, M12×1.25, G3/8, G1/4 with hose nipple
Pressure outlet	BS, DIN, AFNOR, SS, CZ etc.
Body material	Nickel-plated brass
Control knob	Polyamide
O-rings	EPDM
Filter	Sintered bronze
Gauge cover	TPE (thermoplastic elastomer)
Regulatory status	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 10524-1 (Pressure regulators for use with medical gases)
	Complies with EN 1789 (Medical vehicles and their equipment - Road ambulances)
Classification	Class IIb

* Flowrates expressed at 23°C and 101,3 kPa

You can choose from a wide range of features, flow settings, input connections and gas types to find the ideal appliance for your needs



MEDISELECT® II - HIGH PRESSURE CYLINDER REGULATOR

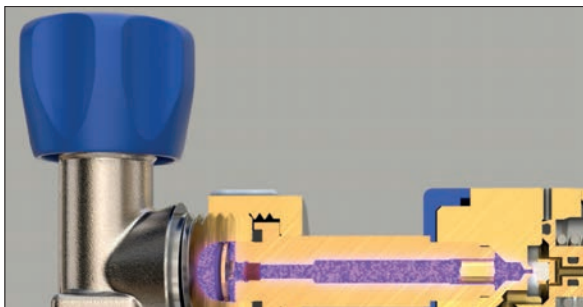
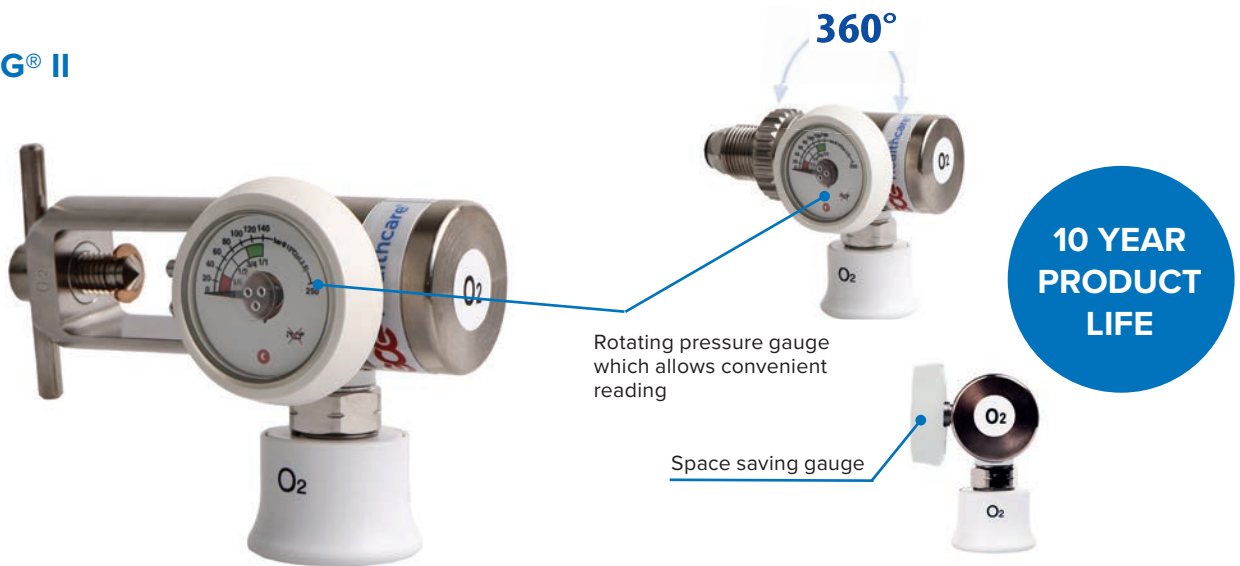
Item no.	Type	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	QC	Inlet pressure	Reading position	Market
0720246	MediSelect II	O2	0-25	9/16	PIN INDEX	black	No	137	right	UK
0720248	MediSelect II	O2	0-25	9/16	PIN INDEX	black	BSI	137	right	UK
0720297	MediSelect II	O2	0-25	9/16	PIN INDEX	black	No	200	right	UK
0720247	MediSelect II	O2	0-25	9/16	G5/8BS	black	No	137	right	UK
0720249	MediSelect II	O2	0-25	9/16	G5/8BS	black	BSI	137	right	UK
0720252	MediSelect II	O2	0-2-4	9/16	G5/8BS	black	No	137	right	UK
0720296	MediSelect II	O2	0-25	9/16	G5/8BS	black	No	200	right	UK
0720265	MediSelect II	AIR	0-15	9/16	PIN INDEX	white	BSI	137	right	UK
0720320	MediSelect II	AIR	0-25	9/16	G5/8BS	white	BSI	200	right	UK
0720100010	MediSelect II	O2	15	9/16	PIN INDEX	White	No	200	right	UK
0720100011	MediSelect II	O2	15	9/16	PIN INDEX	White	BSI	200	right	UK
0720100012	MediSelect II	O2	15	9/16	G5/8BS	White	No	200	right	UK
0720100013	MediSelect II	O2	15	9/16	G5/8BS	White	BSI	200	right	UK
0720100019	MediSelect II	O2	15	9/16	PIN INDEX	White	No	137	right	UK
0720100020	MediSelect II	O2	15	9/16	PIN INDEX	White	BSI	137	right	UK
0720100021	MediSelect II	O2	15	9/16	G5/8BS	White	No	137	right	UK
0720100022	MediSelect II	O2	15	9/16	G5/8BS	White	BSI	137	right	UK
0720100023	MediSelect II	O2	4	9/16	G5/8BS	White	No	137	right	UK
0720100014	MediSelect II	O2	6	9/16	PIN INDEX	White	No	200	right	UK
0720100015	MediSelect II	AIR	25	9/16	G5/8BS	Black	BSI	200	right	UK
0720100024	MediSelect II	AIR	15	9/16	PIN INDEX	Black	BSI	137	right	UK
0720100025	MediSelect II	AIR	15	9/16	G5/8BS	Black	No	137	right	UK
0720100026	MediSelect II	AIR	15	9/16	PIN INDEX	Black	No	137	right	UK
0720100027	MediSelect II	AIR	15	9/16	G5/8BS	Black	BSI	137	right	UK

*Extract from the International Product List, further approx. 200 types available

MEDIREG REGULATORS WITH PRESET FLOW

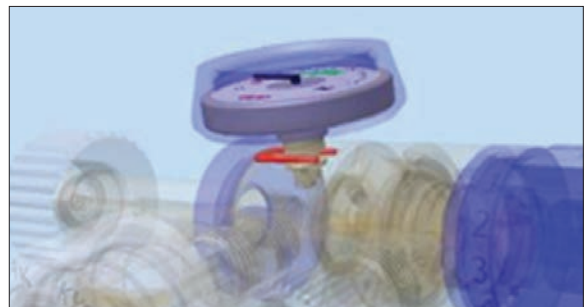
MediReg® regulators are used in ambulances or, for example, on emergency ventilators or anaesthesia machines. Wherever a high flow rate is required in a compact design. Numerous quick connectors or threads are available as outlet connections. Pressure sensors or contact pressure gauges are provided for use with alarm panels.

MEDIREG® II



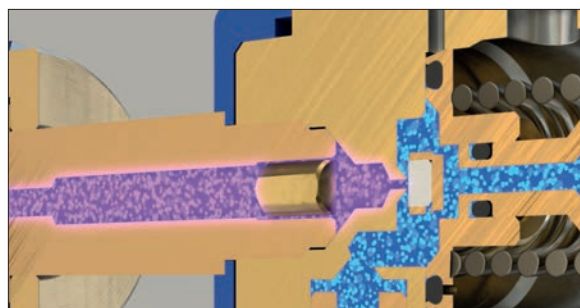
> Filter

Inserted inlet stem 15 µm filter, secured by retainer guarantees 100% flow capacity (no flow restriction - no filter deformation)



> U-Clip System

Gauge without thread avoids presence of chips. It is fixed by a clip and sealed by o-ring allowing easy exchange.



> Anti shock element

The element inserted in the inlet stem reduces potential risk of adiabatic compression and makes the regulator more resistant against shocks (without flow restriction)



> Swivelling Gauge

Gauge can be aligned on any convenient reading position because of the connection allowing the swivelling.

MEDIREG® II

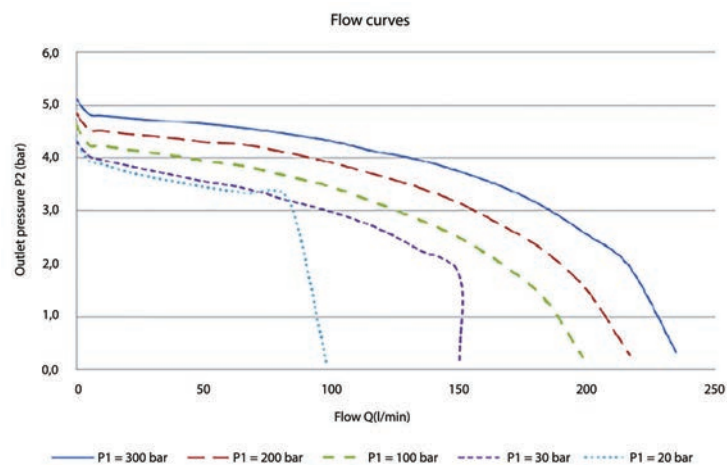
FEATURES / ADVANTAGES / BENEFITS

- > Regulator with pressure outlet, constantly adjusted flow or with flowmeter
- > Rotating pressure gauge which allows convenient reading.
- > Ergonomic and streamlined design
- > Easy cleaning surface
- > Compact and user friendly

TECHNICAL DATA	
Gas	O ₂ , Air, N ₂ O, CO ₂ , N ₂ O/O ₂ , Xe, Ar
Inlet pressure range	Up to 300 bar
Nominal outlet pressure	4 bar
Inlet connection	According to national standards
Pressure outlet	BS, DIN, AFNOR, SS, CZ etc.
Body material	Nickel-plated brass
Control knob	Polyamide
O-rings	EPDM
Filter	Sintered bronze
Gauge cover	TPE (thermoplastic elastomer)



FLOW CURVE FOR OXYGEN (P₂ = 4 BAR)



MEDIREG® II

Item no.	Type	Gas	Outlet connection	Inlet connection	Colour of plastic	QC	Inlet pressure	Market
0724151	MediReg II	O2+N2O	QC only	PIN INDEX	Blue	BSI	137	UK
0724243	MediReg II	O2	QC only	PIN INDEX	Blue	BSI	200	UK
0724293	MediReg II	O2	QC only	W21.7x14	Blue	DIN	200	UK
0724295	MediReg II with MediMeter	O2	9/16	G5/8BS	Blue	No	200	UK
0724298	MediReg II	AIR	QC only	G5/8	Blue	DIN	300	UK
0724299	MediReg II	N2O	QC only	PIN INDEX	Blue	BSI	60	UK
0724342	MediReg II	O2	3/8	PIN INDEX	White	No	200	UK
0724343	MediReg II	O2	QC only	PIN INDEX	White	BSI	200	UK
0724344	MediReg II	O2	QC only	G5/8BS	White	BSI	200	UK
0724345	MediReg II	O2	QC only	PIN INDEX	White	BSI	137	UK
0724346	MediReg II	O2	QC only	G5/8BS	White	BSI	137	UK
0724347	MediReg II	AIR	QC only	PIN INDEX	Blue	BSI	137	UK
0724348	MediReg II	AIR	QC only	G5/8BS	Blue	BSI	200	UK

*Extract from the International Product List, further approx. 200 types available

VARIMED



REGULATOR WITH PRE-SET PRESSURE

High pressure regulator with high flow capacity for use with medical gas cylinders equipped with a medical cylinder valve.

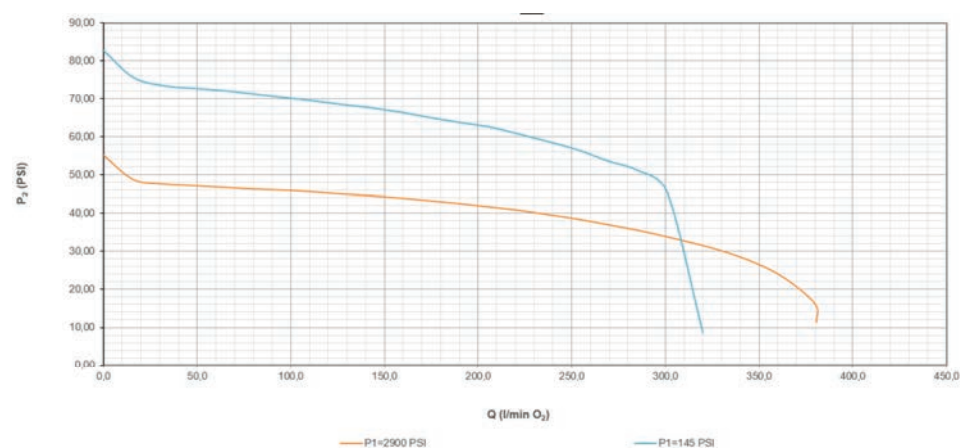
- > Varimed is a one stage and membrane cylinder regulator with a large variety of applications
- > Beside connection to cylinder valves intended for connection to other medical devices (for example pressure monitors, anaesthetic equipment, as a gas source in ambulance cars, etc.)
- > Optional available with a signal gauge

TECHNICAL DATA	
Gas:	O ₂ , Air, N ₂ O, etc.
Inlet pressure:	Up to 200 bar
Outlet pressure:	4 bar
Inlet connection:	According to national standards
Outlet connection:	According to national standards
Body material:	Nickel-plated mazak
Bonnet material:	Painted mazak
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 10524-1
	Complies with EN 1789
	Production in accordance with EN ISO 9001 and EN ISO 13485
Classification:	Class IIb

VARIMED

Item no.	Type	Gas	Inlet	Outlet	QC (BSI)	Pressure	Colour
0781660	Varimed	O ₂	G5/8BS	G3/8	No	137bar	White

FLOW CURVE



MMR



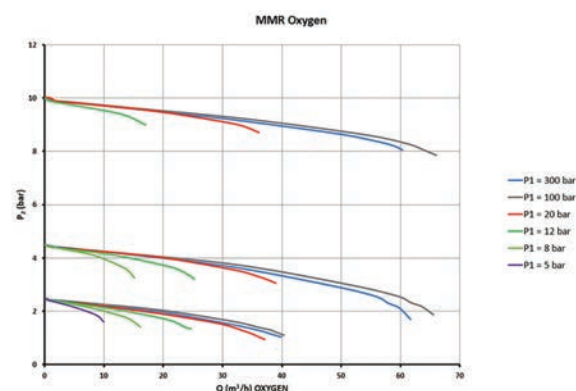
REGULATOR WITH PRE-SET PRESSURE

High pressure regulator with high flow capacity for use with medical gas cylinders equipped with a medical cylinder valve.

- > MMR is a membrane, double stage cylinder regulator that provides a stable outlet pressure
- > The regulator is suitable for high flow applications. An optimal field of application for MMR is for the gas cylinder reserve that will be used, via the pressure monitor or pressure watch if an interruption in the gas supply occurs

TECHNICAL DATA	
Gas:	O ₂ , Air, O ₂ /N ₂ O, CO ₂ , etc.
Inlet pressure:	Up to 200 bar
Outlet pressure:	4 bar
Inlet connection:	According to national standards
Outlet connection:	According to national standards
Body material:	Painted mazak
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 10524-1
	Production in accordance with EN ISO 9001 and EN ISO 13485
Classification:	Class IIb

FLOW CURVE



VARIMED

Item no.	Type	Gas	Inlet	Outlet	QC (BSI)	Pressure	Colour
0729201	MMR+	O ₂	G5/8BS	G3/8	No	300/4bar	White
0729202	MMR+	O ₂	G5/8BS	G3/8	No	300/10bar	White
0729203	MMR+	O ₂	G5/8BS	G3/8	No	300/10bar	White
0729204	MMR+	O ₂ /N ₂ O	G5/8BS	G1/4	No	230/10bar	White
0729205	MMR	O ₂	G5/8BS	G3/8	No	300/4bar	White
0729206	MMR+	O ₂	G5/8BS	G3/8	No	300/10bar	White
0729221	MMR+	AIR	G5/8BS	G3/8	No	200/4bar	White
0729223	MMR+	N ₂	G5/8BS	G3/8	No	200/4bar	White
0729230	MMR+	AIR800	G5/8BS	QC BS	YES	300/8bar	White

VARIMED+/MMR+

REGULATOR WITH ADJUSTABLE FLOW

The range of regulators which are designed to be connected to high pressure systems according to ISO 10524-2, they are mainly to be used in emergency as back up gas supply for the hospital pipeline system. They are NOT designed for direct use with patient. This range of regulator can be equipped with pressure adjusting knob or preadjusted in our production for outlet pressures meeting requirements of ISO 10524-2.



TECHNICAL DATA - VARIMED+	
Gas:	O ₂ , Air, N ₂ O, etc.
Inlet pressure:	Up to 200 bar
Outlet pressure:	0 - 10 bar (or on demand)
Inlet connection:	According to national standards
Outlet connection:	According to national standards
Body material:	Nickel-plated mazak
Bonnet material:	Painted mazak
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 10524-2
	Production in accordance with EN ISO 9001 and EN ISO 13485
Classification:	Class IIb



TECHNICAL DATA - MMR+	
Gas:	O ₂ , Air, O ₂ /N ₂ O, CO ₂ , etc.
Inlet pressure:	Up to 200 bar
Outlet pressure:	0-10 bar (or on demand)
Inlet connection:	According to national standards
Outlet connection:	According to national standards
Body material:	Painted mazak
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 10524-2
	Production in accordance with EN ISO 9001 and EN ISO 13485
Classification:	Class IIb

HOSPITAL WARD EQUIPMENT



FLOW DEVICES



In addition to cylinder pressure reducers, the product range also includes flow regulators, e.g., as flowmeters with measuring tubes or flow regulators with calibrated orifice. (Also called dial or click flowmeters). Flow regulators are used to regulate the gas flow to the patient from a gas source e.g. a gas cylinder with high pressure regulator with quick coupling or a terminal unit in the hospital or ambulance vehicle. These can be single or duo units with direct probe or rail mounted with hose and probe. All flow controllers with calibrated orifice work independent of position and do not have to be operated exclusively in vertical position like Tube Flowmeters. An integrated pressure reducer in the MediFlow Ultra eliminates pressure fluctuations in the gas supply system to ensure even higher flow accuracy. The flow outlet connection can be selected in 4 different threads, with or without screw-on hose nipple or as a fixed hose nipple. Choose the most suitable device for your application from a wide product range of country-specific connections, gases and flow setting options.

MediMeter®

Flowmeter
with measuring tube



Diamond Range Tube Flowmeter

Flowmeter
with measuring tube



MediFlow® II

Flow controller with calibrated orifice
2 flow scales, 360°swivelling flow outlet



MediFlow Ultra II®

Flow controller with calibrated orifice
and integrated pressure reducer
2 flow scales, 360°swivelling flow outlet



MATCHING OPTIONS DIAGRAM





All flow devices can be obtained in the following variants:

- Single/ duo flow controller with direct probe
- Single flow controller with direct probe and extended inlet connections
- Single / duo flow controller with rail clamp and NIST hose connection with measuring tube

DIRECT PROBE

A constantly growing range of currently 15 country-specific probes for different gases is available.



DIRECT PROBE, EXTENDED

All inlet probes can be extended by 35 mm to overcome wall mounted obstacles like rails or cableducts.



RAIL CLAMP DEVICES

Flow selectors/ Tube Flowmeters with rail clamp and NIST hose connection.

All Flow devices are available as single or duo rail clamp device.

Rail clamps are intended for fastening medical devices (flowmeters, suction equipment etc.) to the railing.

the NIST hose connection allows individual configuration of the connection hose about length, colour, inlet probe type, etc.

FEATURES AND BENEFITS

The rail clamps are universal and can be applied to all applicable rail systems

- > Easy to clean, ergonomic shape
- > Max. load at vertical axis = 50 kg
- > For rail dimensions 25x8, 25x10 and 30x10 mm
- > Special versions for other rail dimensions on demand



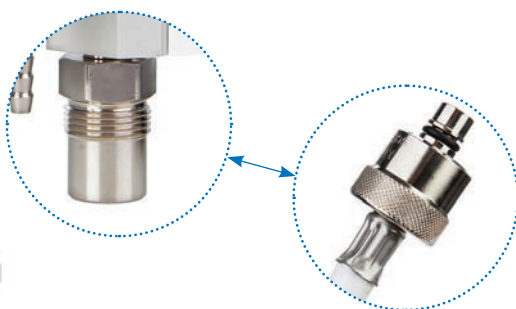
NIST CONNECTORS

NIST means "Non-Interchangeable Screw Tread"

This type of connection is becoming more and more popular internationally and is already used exclusively in many countries.

The advantage is:

- > Damaged/used hoses can be replaced independently of the unit
- > Individual selection of hose length and input connector
- > The NIST hose can be used for another appliance of the same gas type



DUO FLOW DEVICES



Duo flow devices are used to serve 2 patients at the same time from one wall outlet point or quick couplings in clinics or emergency vehicles. The Y shape design is space-saving for frequently overcrowded wall rails or bed head units.

MediMeter®



Diamond Range Twin Tube Flowmeter



MediFlow Ultra II®



MEDIMETER® - TUBE FLOWMETER

FLOWMETER WITH DIRECT PROBE

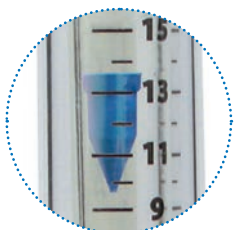
Pressure compensated flowmeter for connection to quick coupling or gas outlet in ambulances and hospitals.

- > Inlet pressure 4.5 bar
- > Infinitely adjustable, constant flow
- > conical float, optimal readability
- > Integrated inlet filter
- > Various inlet connections and outlet threads available
- > Further alternatives in the online configurator

MODELS

- > Direct probe or NIST rail clamp
- > Single flowmeter or duo version
- > Inlet probe extension available

[Online configurator](#)



Extended probe version

Further country-specific standards can be found in our online products list or in the online configurator (<http://configurator.gcehealthcare.com/>)



Device name	Gas	Flow Lpm	Outlet Thread	Local Standard Inlet	Probe	Long probe, extended +35 mm	Probe DUO Y
MediMeter tube flowmeter with hose nipple							
MM 2 O ₂	O ₂	2	9/16"	BS	N/A	N/A	N/A
MM 5 O ₂	O ₂	5	9/16"	BS	0730121	0730100020	0730100021
MM 15 O ₂	O ₂	15	9/16"	BS	0730122	0730100022	0730124
MM 30 O ₂	O ₂	30	9/16"	BS	0730123	0730100025	0730100026
MM60 O ₂	O ₂	60	9/16"	BS	0730100025	0730100027	0730100028
MM 5 Air	Air	5	9/16"	BS	0730100029	0730100030	0730100031
MM 15 Air	Air	15	9/16"	BS	0730125	0730100032	0730100033
MM 30 Air	Air	30	9/16"	BS	0730100034	0730100035	0730100036

*N/A - Not applicable





"Blue colour coded products are representative only. UK colour coded versions are available."

MEDIMETER® - TUBE FLOWMETER

RAIL CLAMP FLOWMETERS WITH NIST HOSE CONNECTORS

[Online configurator](#)

- > Single or duo version
- > For rail dimensions 25x8, 25x10 and 30x10 mm
- > Special versions for other rail dimensions on demand
- > The rail clamps are universal and can be applied to all applicable rail systems
- > Individual selection of hose length and inlet connection by separate hose order

Device name	Gas	Flow Lpm	Outlet Thread	Local Standard Inlet	Rail clamp NIST, without hose	Duo Rail clamp NIST, without hose	Rail clamp 50 mm NIST, without hose	Duo Rail clamp 50 mm NIST, without hose
MediMeter tube flowmeter with hose nipple								
					Without hose		Without hose	
MM 2 O ₂	O ₂	2	9/16"	NIST Inlet, Combine it with the hose of your choice	N/A	N/A	N/A	N/A
MM 5 O ₂	O ₂	5	9/16"		0730100282	0730100283	0730100292	0730100293
MM 15 O ₂	O ₂	15	9/16"		0730253	0730256	0730254	0730255
MM 30 O ₂	O ₂	30	9/16"		0730100284	0730100285	0730100294	0730100295
MM60 O ₂	O ₂	60	9/16"		0730100286	0730100287	0730100296	0730100297
MM 5 Air	Air	5	9/16"		0730100288	0730100289	0730100298	0730100299
MM 15 Air	Air	15	9/16"		0730259	0730260	0730241	0730261
MM 30 Air	Air	30	9/16"		0730100290	0730100291	0730100300	0730100301

*N/A - Not applicable

"Blue colour coded products are representative only. UK colour coded versions are available."

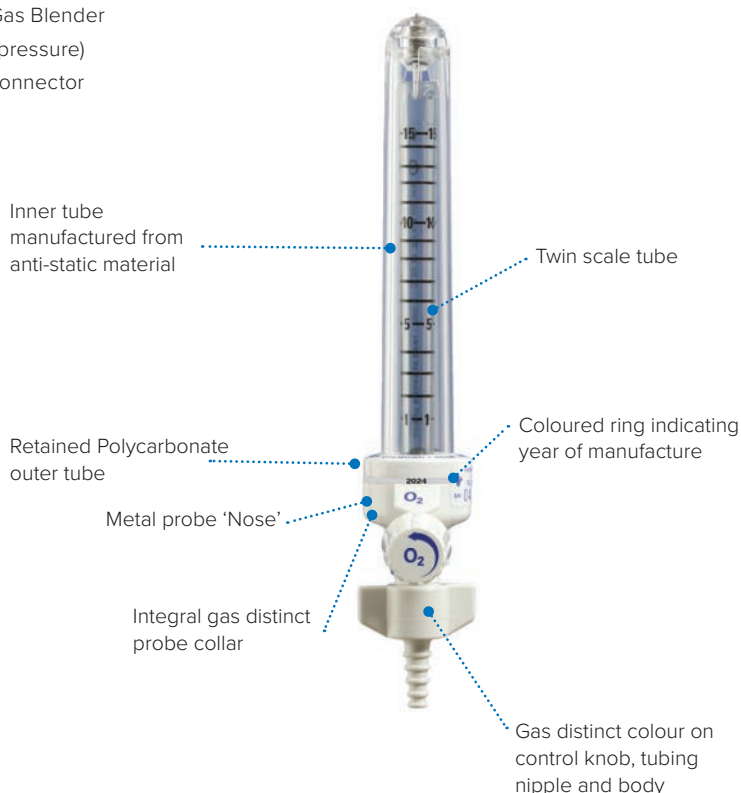


TECHNICAL DATA	
Gas	O ₂ , Air
Inlet pressure	4,5 bar
Flow ranges	0 - 5 lpm
	0 - 15 lpm
	0 - 30 lpm
	0 - 60 lpm
Inlet connection	According to national standard
Outlet connection	9/16" UNF; M12x1.25; G3/8; G1/4 (with hose nipple)
Body material	Nickel-plated brass
O-rings	EPDM
Control knob	Polyamide
Body dimensions	
Width	32 mm
Height	160 mm
Depth	60 mm
Weight	280 g (without connector)
Temperature range	
Storage	- 30 °C to + 60 °C
Operation	- 20 °C to + 60 °C
Regulatory status	Complies with medical devices directive 93/42/EEC
	Complies with EN 15 002 (Flow - metering devices for connection to terminal units)

* Flowrates expressed at 23°C and 101,3 kPa

DIAMOND RANGE FLOWMETER - TUBE FLOWMETER

- > Can be attached to Wall mounting, Medical Rail or O₂/Air Gas Blender
- > Calibrated 1-30 litres per minute flowrates @ 60 p.s.i input pressure)
- > Supplied with integral oxygen probe or 3/8th BSP coned connector
- > Flow accuracy +/- 10% of the indicated value or 0.5lpm whichever is the greater
- > Standard male diss (nebuliser) outlet thread
- > Flush flow with valve fully open in excess of 45lpm
- > Adaptors available to convert male to female outlet



TECHNICAL DATA	
Gas pressure	O ₂
Inlet pressure	4 bar
Flow ranges	0–15 lpm, 0–30 lpm, 0–5 lpm, 0–2.5 lpm, 0–500cc
Inlet connection	According to national standard
Outlet connection	9/16"
Body material	O ₂ Compatible Plastic
Control knob	O ₂ Compatible Plastic
Body dimensions	
Width	35 mm
Height	182 mm
Depth	114 mm
Weight	119 g (with BS probe)
Temperature range	
Storage	- 30 °C to + 60 °C
Operation	- 20 °C to + 60 °C
Rail clamp 44 mm	Suitable for 44x10mm rails
Regulatory status	Complies with medical devices directive 93/42/EEC.
	Complies with EN 15 002 (Flow - metering devices for connection to terminal units).

0-15 LPM DIAMOND RANGE FLOWMETER WITH 3/8 NUT

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9501	Flowmeter with 3/8 nut	O ₂	0-15	9/16"	3/8		4 bar

The Diamond Range is supplied with a 7 year warranty on function and accidental damage.

DIAMOND RANGE FLOWMETER WITH PROBE



0-15 LPM DIAMOND RANGE FLOWMETER & PROBE

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9505	Flowmeter & Probe	O ₂	0-15	9/16"	According to national standard	■	4 bar
9510	Flowmeter & Probe & Humidifier	O ₂	0-15	9/16"		■	4 bar
9501/8501	Flowmeter with Extended Probe	O ₂	0-15	9/16"		■	4 bar
9565	Flowmeter and Schrader Valve with Probe	O ₂	0-15	9/16"		■	4 bar

TWIN DIAMOND RANGE FLOWMETER WITH PROBE



TWIN 0-15 LPM DIAMOND RANGE FLOWMETERS



Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9550	Twin Flowmeters On Backbar With 3/8 Nut	O ₂	0-15	9/16"	3/8	■	4 bar
9555	Twin Flowmeters On Backbar With Probe	O ₂	0-15	9/16"	According to national standard	■	4 bar
9560	Twin Flowmeter & Probe & 2X Humidifiers	O ₂	0-15	9/16"		■	4 bar
9550/8501	Twin Flowmeter with Extended Probe	O ₂	0-15	9/16"		■	4 bar

The Diamond Range is supplied with a 7 Year Function Warranty.



RAIL MOUNTED SINGLE DIAMOND RANGE





RAIL MOUNTED DIAMOND RANGE FLOWMETERS - STANDARD 1.5M HOSE ASSEMBLY

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9620	Rail Mounted Single Flowmeter with 1.5m hose	O2	0-15	9/16"	According to national standard		4 bar
9625	Rail Mounted Twin Flowmeters with 1.5m hose	O2	0-15	9/16"			4 bar

RAIL MOUNTED DIAMOND RANGE FLOWMETERS - STANDARD 2M HOSE ASSEMBLY

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9620/2M	Rail Mounted Single Flowmeter with 2m hose	O2	0-15	9/16"	According to national standard		4 bar
9625/2M	Rail Mounted Twin Flowmeters with 2m hose	O2	0-15	9/16"			4 bar

RAIL MOUNTED DIAMOND RANGE FLOWMETERS - STANDARD 3M HOSE ASSEMBLY



Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9620/3M	Rail Mounted Single Flowmeter with 3m hose	O2	0-15	9/16"	According to national standard		4 bar
9625/3M	Rail Mounted Twin Flowmeters with 3m hose	O2	0-15	9/16"			4 bar

V DOVETAIL MOUNTED DIAMOND RANGE FLOWMETERS




9635

V DOVETAIL MOUNTED DIAMOND RANGE FLOWMETERS

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9630	V Dovetail Single Flowmeter	O ₂	0-15	9/16"	According to national standard		4 bar
9635	V Dovetail Twin Flowmeter	O ₂	0-15	9/16"			4 bar

0-30 LPM FLOWMETER

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9595	LPM Diamond Flowmeter with Probe	O ₂	0-30	9/16"	According to national standard		4 bar

FLOWMETER ACCESSORIES



6610

INDIRECT RAIL MOUNTING ASSEMBLIES

Complete assemblies to allow existing equipment to be Rail Mounted. Each assembly is supplied with Indirect Block/ Rail Clamp and 1.5 Metres of Hose and Probe.

Item no.	Description	Fitting
6610	Indirect Rail Mount Kit For Oxygen Flowmeter	3/8 male
6611	Indirect Rail Mount Kit For Air Flowmeter	3/8 male
6615	Indirect Rail Mount Kit For Ohmeda Suction Unit	1/8 male
6619	Indirect Rail Mount Kit For Oxygen Schrader	1/4 male



6741

HUMIDIFIERS

225cc 'Bubble Through' Humidifier. Male thread to connect directly onto Flowmeter Outlet.

Item no.	Description
6740	Humidifier Kit (Humidifier, Mask and Tubing)
6741	Humidifier Kit - Autoclavable (Male Thread)
6742	Humidifier Kit (225cc Bubble Type - (Female Thread))



6604

DIAMOND RANGE FLOWMETER ACCESSORIES

Item no.	Description	Pack size
6604/10	Diamond Range Flowmeter Tubing Nipple	10
6604/25	Diamond Range Flowmeter Tubing Nipple	25
6604/50	Diamond Range Flowmeter Tubing Nipple	50
6604/Black/10	Diamond Range Flowmeter Tubing Nipple (Black)	10
9501-26	Outlet Adaptor (to convert Male Outlet on Flowmeter to Female)	



9502-60

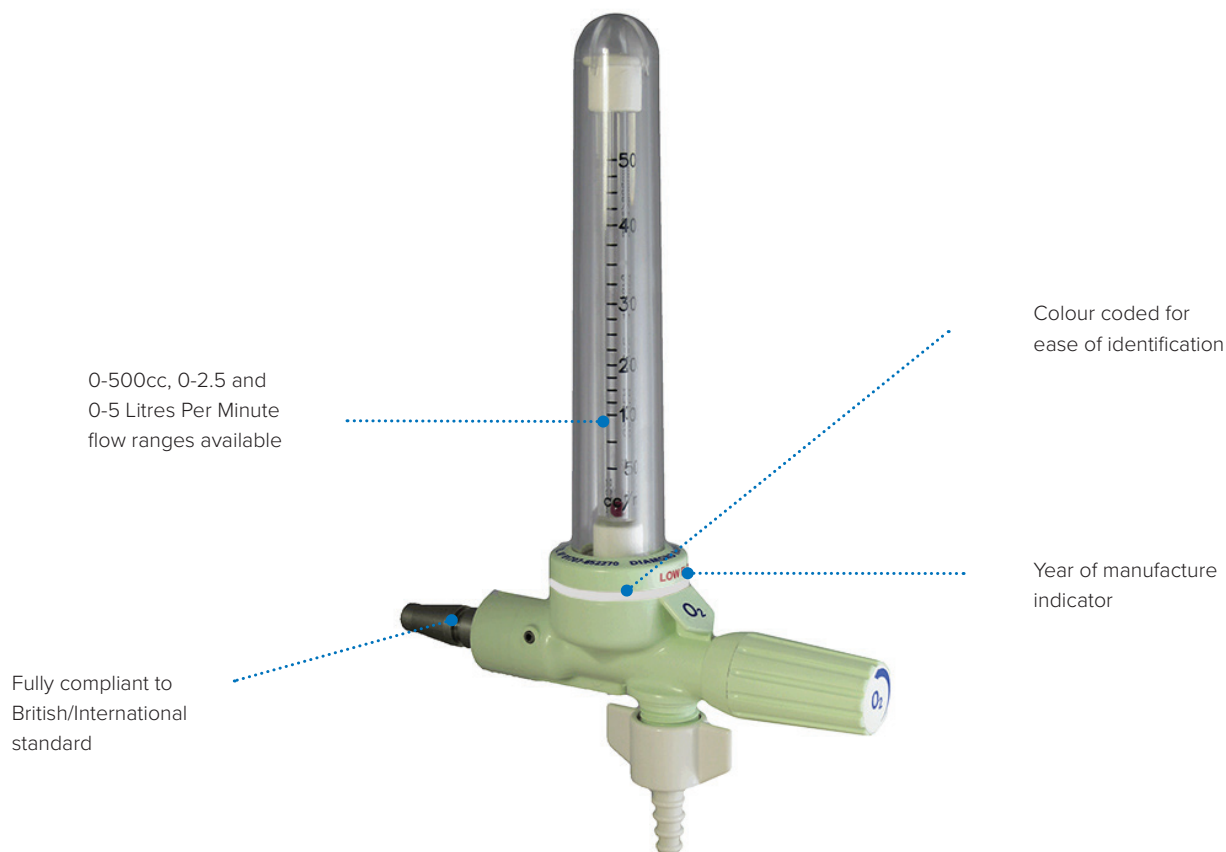
6501-50

AIR GUARD FIR AIR FLOWMETERS

Item no.	Description
6501-50	Universal Airguard for Air Flowmeter (with cable tie)
9502-60	Airguard for Diamond Range Flowmeter with 2mm Recess & 'O' ring
9502-60/DISC	Diamond Airguard Disc with 2mm Recess & 'O' ring

DIAMOND RANGE LOW FLOW FLOWMETER - TUBE FLOWMETER

Flowmeters with a maximum scale greater than 1 LPM are supplied to an accuracy of $\pm 10\%$ of the indicated value or 0.5 LPM whichever is the greater. Flowmeters with a maximum flow of 1 LPM or less have an accuracy of $\pm 10\%$ of the full scale.
Normal usage – Neonatal/Paediatric.



*0-500cc Diamond Low Flow Flowmeter (Green)
1st Setting 50cc (100cc Graduations between 100-500cc)*









*0-5LPM Diamond Low Flow Flowmeter (Beige)
1st Setting 0.5LPM (0.2LPM Graduations between 1-5LPM)*









*0-2.5LPM Diamond Low Flow Flowmeter (Pink)
1st Setting 0.5LPM (0.10LPM Graduations between 0.5-2.5LPM)*







0-500CC

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9582	Diamond Low Flow Flowmeter - O2 (Green Body)	O2	0-500cc	9/16"	According to national standard		4 bar
9583	Diamond Low Flow Flowmeter With Probe	O2	0-500cc	9/16"			4 bar
9533	Diamond Low Flow Flowmeter Rail Mounted	O2	0-500cc	9/16"			4 bar
9584	Twin Diamond Low Flow Flowmeter & Probe	O2	0-500cc	9/16"			4 bar
9559	Twin Diamond Range Flowmeter & Probe	O2	0-15 and 0-500	9/16"			4 bar
9534	Diamond Flowmeter & Probe with Humidifier	O2	0-500cc	9/16"			4 bar

0-2.5 LPM

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9586	Diamond Low Flow Flowmeter with 3/8"nut (Pink Body)	O2	0-2.5 LPM	9/16"	According to national standard		4 bar
9587	Diamond Low Flow Flowmeter With Probe	O2	0-2.5 LPM	9/16"			4 bar
9531	Diamond Low Flow Flowmeter Rail Mounted	O2	0-2.5 LPM	9/16"			4 bar
9594	Twin Diamond Low Flow Flowmeter & Probe	O2	0-2.5 LPM	9/16"			4 bar
9557	Twin Diamond Flowmeter & Probe	O2	0-15 and 0-2.5 LPM	9/16"			4 bar
9530	Diamond Flowmeter & Probe with Humidifier	O2	0-2.5 LPM	9/16"			4 bar

0-5 LPM

Item no.	Description	Gas	Flow range	Outlet connection	Inlet connection	Colour of plastic	Inlet pressure
9575	Diamond Low Flow Flowmeter (Beige Body)	O2	0-5 LPM	9/16"	According to national standard		4 bar
9576	Diamond Low Flow Flowmeter With Probe	O2	0-5 LPM	9/16"			4 bar
9532	Diamond Low Flow Flowmeter Rail Mounted	O2	0-5 LPM	9/16"			4 bar
9577	Twin Diamond Low Flow Flowmeter & Probe	O2	0-5 LPM	9/16"			4 bar
9558	Twin Diamond Range Flowmeter & Probe	O2	1X 0-15LPM, 1X 0-5 LPM	9/16"			4 bar
9540	Diamond Flowmeter & Probe with humidifier	O2	0-5 LPM	9/16"			4 bar

MEDIFLOW II® - FLOW CONTROLLER

DIRECT PROBE VERSIONS

The 360° rotatable flow outlet allows good access even in confined spaces. The flow settings are self-centering, so even if the flow handwheel is blocked between two settings, patient care remains uninterrupted. An integrated inlet filter protects the patient and the mechanics.

- > 2 flow windows, readable from the side and from the front
- > 360° swivelling outlet
- > Self-centering handwheel
- > Always flow, even between settings
- > Off +11 flow steps, up to 50 l/min
- > Inlet filter to protect against contamination



Independence of the pressure fluctuation with inlet pressure range of 2.8 – 8 bar

Continuous flow between settings, in the unlikely event of mechanism failure.



360° swivelling outlet allows wider use of positioning

Two windows - frontal and lateral allow very good visibility of set values



Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

Device name	Gas	Flow Lpm	Outlet Thread	Local Standard Inlet	Probe	Long probe, extended +35 mm	Probe DUO Y
MediFlow II, thread outlet and hose nipples, no pressure reducer integrated							
MF II 1	O ₂	1	9/16"	BS	0726118	0726100502	0726100503
MF II 2	O ₂	2	9/16"	BS	0726100343	0726100344	0726100345
MF II 3	O ₂	3	9/16"	BS	0726100346	0726100347	0726100348
MF II 15	O ₂	15	9/16"	BS	O/D	O/D	O/D
MF II 25	O ₂	25	9/16"	BS	0726100149	0726100150	0726100151
MF II 50	O ₂	50	9/16"	BS	0726100152	0726100153	0726100154
MF II 15	Air	15	9/16"	BS	O/D	O/D	O/D
MF II 25	Air	50	9/16"	BS	0726100158	0726100159	0726100160

* O/D - on demand, N/A - Not applicable

"Blue colour coded products are representative only. UK colour coded versions are available."

Online configurator



MEDIFLOW II® - FLOW CONTROLLER

RAIL CLAMP VERSIONS

[Online configurator](#)

- > Single or duo version
- > For rail dimensions 25x8, 25x10 and 30x10 mm
- > Special versions for other rail dimensions on demand
- > The NIST rail clamps are universal and can be applied to all applicable rail systems
- > Individual selection of hose length and inlet connection by separate hose order
- > The NIST hose can be used for another appliance of the same gas type



Device name	Gas	Flow Lpm	Outlet Thread	Inlet NIST hose connector	Rail clamp 25x10 NIST, without hose	Duo Rail clamp 25x10 NIST, without hose
MediFlow II, thread outlet and hose nipples, no pressure reducer integrated						
MF II 2	O ₂	2	9/16"	Inlet = UNIVERSAL NIST hose connector	N/A	N/A
MF II 3	O ₂	3	9/16"		0726100554	0726100555
MF II 15	O ₂	15	9/16"		O/D	O/D
MF II 25	O ₂	25	9/16"		0726100256	0726100257
MF II 50	O ₂	50	9/16"		0726100258	0726100259
MF II 15	Air	15	9/16"		O/D	O/D
MF II 25	Air	25	9/16"	Inlet = UNIVERSAL NIST hose connector	0726100262	0726100263
MF II 2	O ₂	2	G1/4		N/A	N/A
MF II 3	O ₂	3	G1/4		O/D	O/D
MF II 15	O ₂	15	G1/4		O/D	O/D
MF II 25	O ₂	25	G1/4		0726100296	0726100297
MF II 50	O ₂	50	G1/4		0726100298	0726100299
MF II 15	Air	15	G1/4		O/D	O/D
MF II 25	Air	25	G1/4		0726100302	0726100303

* O/D - on demand, N/A - Not applicable

"Blue colour coded products are representative only. UK colour coded versions are available."

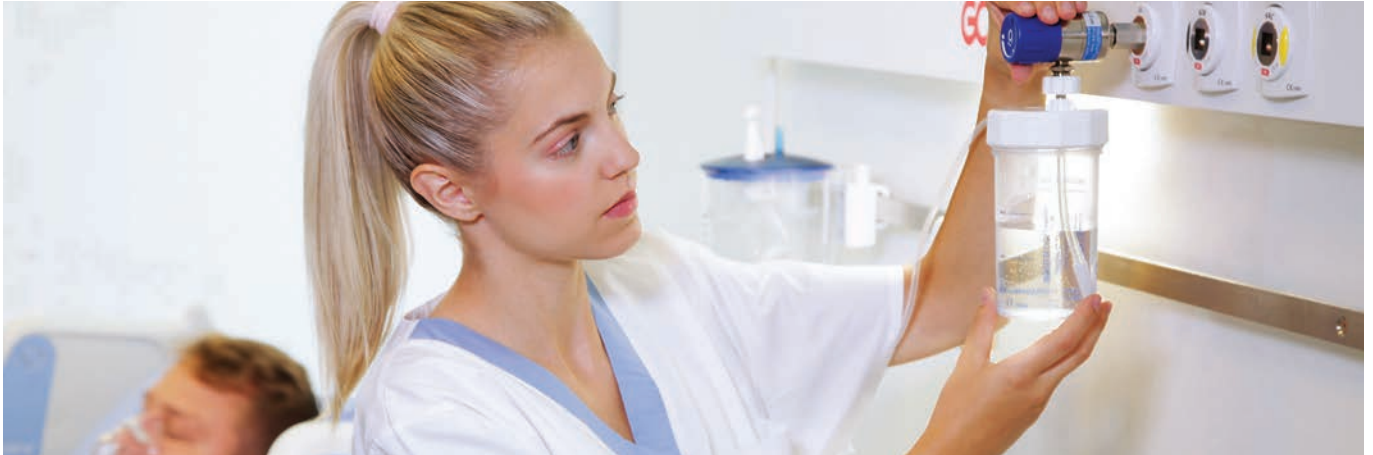
TECHNICAL DATA	
Inlet pressure range	4,5 bar
Flow ranges	0 - 1 lpm, 0 - 2 lpm, 0 - 6 lpm, 0 - 15 lpm, 0 - 25 lpm, 0 - 50 lpm
Inlet connection	According to national standard
Outlet connection	9/16 UNF; M12×1.25; G3/8; G1/4 with hose nipple
Body material	Nickel-plated brass
Control knob	polyamide
O-rings	EPDM
Filter	sintered bronze and stainless steel
Body dimensions	
Diameter	39 mm
Length	68 mm
Weight	300 g
Regulatory status	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN 10524-4 (Low pressure regulators)
	Complies with Standard EN 1789 (Medical vehicles and their equipment)

* Flowrates expressed at 23 °C and 101,3 kPa

MEDIFLOW® ULTRA II - FLOW CONTROLLER

The integrated pressure regulator compensates for varying pressures in hospital gas supply systems due to pressure fluctuations or locally changed pressure settings. Pipeline pressure should be 4.5 +/- 0.5 bar in most countries, MediFlow Ultra II can easily ensure highest flow accuracy with pressures between 2.8 and 8.0 bar inlet pressure.

Position-independent operation is made possible by a calibrated orifice for flow adjustment. The 360° rotatable flow outlet allows good access even in confined spaces. The flow settings are self-centering, so even if the flow handwheel is blocked between two settings, patient care remains uninterrupted. An integrated inlet filter protects the patient and the mechanic. A hose nozzle is included in the scope of delivery. The unit has a service life of 10 years and requires no maintenance.



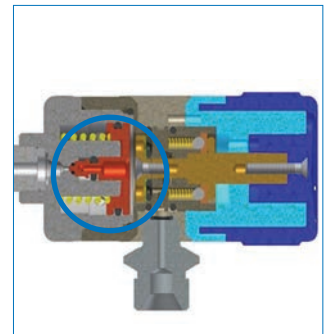
Works position - independent



*2 flow reading windows,
lateral and frontal*



360° swivelling flow outlet



*Integrated pressure regulator,
stabilizing between 2,8-8 bar*



Self-centering click system



Flow in between



*Laser marked serial number
& barcode*

MEDIFLOW® ULTRA II - FLOW CONTROLLER

DIRECT PROBE VERSIONS

- > Single flowmeter or duo version
- > Inlet probe extension available



Online configurator

Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

Device name	Gas	Flow Lpm	Outlet Thread	Local Standard Inlet	Probe	Long probe, extended +35 mm	Probe DUO Y
MediFlow Ultra II with integrated pressure reducer, thread outlet and hose nipples							
MFU 2	O ₂	2	9/16"	BS	0728100402	0728100106	0728100107
MFU 6	O ₂	6	9/16"	BS	0728100410	0728100109	0728100110
MFU 15	O ₂	15	9/16"	BS	0728100401	0728100111	0728100112
MFU 25	O ₂	25	9/16"	BS	0728182	0728100113	0728100114
MFU 15	Air	15	9/16"	BS	0728100405	0728100116	0728100117
MFU 25	Air	25	9/16"	BS	0728183	0728100118	0728100119

"Blue colour coded products are representative only. UK colour coded versions are available."



TECHNICAL DATA	
Inlet pressure range	2,8 - 8 bar
Max. outlet pressure	2,1 bar (without flow)
Flow ranges	0 - 2 lpm 0 - 0,1- 0,2 - 0,3 - 0,4 - 0,5 - 0,6 - 0,7 - 0,8 - 1 - 1,5 - 2
	0 - 6 lpm 0 - 0,25 - 0,5 - 0,75 - 1 - 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6
	0 - 15 lpm 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 12 - 15
	0 - 25 lpm 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 12 - 15 - 25
Inlet connection	According to national standard
Outlet connection	9/16 UNF; M12x1.25; G3/8; G1/4 with hose nipple
Body material	Nickel-plated brass
Control knob	polyamide
O-rings	EPDM
Filter	sintered bronze and stainless steel
Body dimensions	
Diameter	39 mm
Length	77 mm
Weight	350 g
Regulatory status	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN 10524-4 (Low pressure regulators)
	Complies with Standard EN 1789 (Medical vehicles and their equipment)

* Flowrates expressed at 23 °C and 101,3 kPa

MEDIFLOW® ULTRA II - FLOW CONTROLLER

RAIL CLAMP VERSIONS

- > Single or duo version
- > For rail dimensions 25x8, 25x10 and 30x10 mm
- > Special versions for other rail dimensions on demand
- > The NIST rail clamps are universal and can be applied to all applicable rail systems
- > Individual selection of hose length and inlet connection by separate hose order
- > The NIST hose can be used for another appliance of the same gas type
- > Damaged/used hoses can be replaced independently of the unit

**10 YEAR
PRODUCT
LIFE**

**FREE OF
PREVENTIVE
MAINTENANCE**



Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

Device name	Gas	Flow Lpm	Outlet Thread	Inlet = NIST hose connector	Rail clamp NIST, without hose	Duo Rail clamp NIST, without hose	Rail clamp 50 mm NIST, without hose	Duo Rail clamp 50 mm NIST, without hose
MediFlow Ultra II with integrated pressure reducer, thread outlet and hose nipples								
MFU 2	O ₂	2	916"	Universal NIST hose connector	0728293	0728100180	0728295	O/D

* O/D - on demand

"Blue colour coded products are representative only. UK colour coded versions are available."

LOW PRESSURE MEDICAL HOSES SYSTEMS

Low pressure hoses are designed to connect a consumer such as a ventilator or flowmeter to a gas source such as a quick coupling or wall outlet. With gas type coded probes, quick couplings and thread connectors, life-threatening errors such as gas type mix-ups and leaks must be 100% excluded. As a manufacturer, GCE assumes full product responsibility in accordance with the MDR. Even supposedly minor changes to a hose system, such as changing the labelling or replacing a sealing ring, lead to the modifier becoming legally responsible as the manufacturer. Our wide range of products enables you to configure a suitable hose system in 10 cm length steps for almost all applications. This means you are always on the safe side. The selection of the hose system starts with the probe whose features we would like to introduce first. A whole range of variants and approx 15 different country standards are available.

STRAIGHT PROBES

the simple and most cost-effective solution.



ANGLED PROBES

easy to handle, space-saving, clear gas type identification, offers numerous features



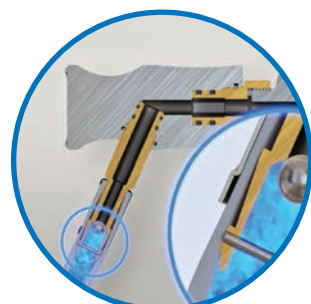
ANTI-TWIST

- > 360° rotatable hose nipple
- > as a standard



SWIVELLING PROBE

- > optional for individual space saving positioning in gas outlets



NON RETURN VALVE

- > optional for controlled gas shock relief



COLOR CODING

- > hose colour coding of ISO 5359
- > gas type identifier on angled versions as a standard



CONFIGURATOR











Our broad, modular product range allows the medical low-pressure hose system to be tailored exactly to technical requirements and budget. In purely mathematical terms, well over 1 million hose variants can be produced. Considering gas types and hose colours, there are still several hundred thousand. It is easy to create any kind of hose assembly with help from the GCE configurator. First select the gas type, length, and colour of the hose and then the inlet and outlet connection. A highlight are the angled probes, here you have the choice between standard, always with rotatable hose nipple to avoid twisted or kinked hoses, and optional swivelling plug or non-retrun valve or both.

The two tables below show some examples that are also included in the configurator.

A selection of frequently purchased configurations can also be found in the product list on our website.

[Online configurator](#)

CONFIGURATIONS FOR BOTH HOSE ENDS

	<p>Angled Probes: 15 local standards in 4 versions = 60 different probes</p> <p>Straight Probes/ NIST connectors 15 local standards</p> <p>8 different Female thread connectors</p> <p>5 local standards or quick connectors</p> <p>10 different male thread screw connectors</p>		
			
			
			
			
		<p><i>Straight hose</i></p> <p><i>Spiral hose</i></p>	

FINAL PRODUCT MediConnect	GAS		HOSE COLOUR		LENGHT OF HOSE 0.5 - 7.5 M	INLET CONNECTOR STANDARD		FEATURES + ANGLE OF INLET PROBE		OUTLET CONNECTOR		FEATURES + ANGLE OF OUTLET PROBE	
MCO	O	O2	WH	WHITE	0.5	BS	BSI	S	Straight	BS	BSI	S	Straight
	A	AIR	BW	BLACK/WHITE	0.6	CZ	Czech	A	Angeled	CZ	Czech	A	Angeled
	OA	O2-AIR	BUW	BLUE/WHITE	0.7	DN	DIN	AS	Ang. + swivelling	DN	DIN	AS	Ang. + swivelling
	V	VAC	BU	BLUE	0.8	SS	Sweden	AV	Ang. + NRV	SS	Sweden	AV	Ang. + NRV
	N	N2O	R	RED	0.9	NF R	NF rotating	ASV	Ang. + swiv.+ NRV	NF R	NF rotating	ASV	Ang. + swiv.+ NRV
	C	CO2	Y	YELLOW	1	NF L	NF lockable			NF L	NF lockable		
	A8	AIR8	BL	BLACK	1.1	NS	NIST			NS	NIST		
	T	N2	GR	GREEN	1.2	DS	DISS			DS	DISS		
	ON	O2/N2O	GY	GREY	1.3	CB	Carbamed			CB	Carbamed		
	AR	AR			1.4	MD	Medap			MD	Medap		
	AG	AGSS			1.5	PD	Parkodex			PD	Parkodex		
					1.5SP	UN	UNI 9507			UN	UNI 9507		
					1.6	AS	Australia			AS	Australia		

Hose length from 0.5 to 7.5 m total
length freely configurable in 10 cm steps

Numerous other connectors, couplings
and screw connections in the online configurator

LOW PRESSURE HOSE SYSTEMS - MEDICONNECT

Low-pressure hoses are intended for the transfer of medical gases or vacuum, and/or the connection of two medical products (e.g. a pressure regulator with an emergency ventilator). A whole range of variants and approx 13 different country standards are available.

ANTISTATIC



PRODUCT MARKING

> according to FDA or MDR

COLOUR CODING

> colour selection ISO colour coded
colour neutral/ black available
US/ NFPA colour coded



SPIRAL HOSE

> working length 1.5 m or 3.0 m
outer spiral diameter 60 mm
inner spiral diameter 82 mm



TECHNICAL DATA	
Gas type:	O ₂ , air, N ₂ O, vacuum, CO ₂ , N ₂ O/O ₂ and Air 800
Material	Polyvinyl chlorid, containing plasticizer, with brilliant polish, antistatic
Inner/outer diameter	6.7 × 12.7 mm (vacuum excluded - VAC 10x16 mm)
Wall	3 mm
Hardness (Shore A)	88 ± 5
Density	1.25 ± 0.02 g/cm ³
Tensile strength	= 10 MPa
Fracture strain	= 200 %
Working pressure	max. 14 bar / 20 °C
Rupture pressure	56 bar / 20 °C respectively 40 bar / 40 °C
Operation temperature	- 20 °C to + 60 °C
Classification	Class IIa
Regulatory status	Complies with Medical Devices Directive 93/42/EEC
	Complies with ISO 5359 (Low pressure hoses)

HOSE SYSTEMS

Gas	Colour	Connection	1 m	1.5 m	2 m	3 m	5 m
O ₂	White	BS Probe/NIST	0731600026	-	0731600118	0731600005	0731600024
Air	Black	BS Probe/NIST	0731600028	-	0731600201	0731600199	0731600025
Vac	Yellow	BS Probe/NIST	-	0731600408	-	0731600202	0731600409
N ₂ O	Blue	BS Probe/NIST	-	0731600410	-	0731600221	0731600411

Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

Online configurator

VACUUM REGULATORS



Medical suction regulators allow the user to efficiently and safely control suction. Our regulators continue to be the preferred choice for optimum performance, high quality and low maintenance.

Choose the right suction regulator.

We have put together this useful guide to help you choose the most suitable suction regulator for your needs.

Push-to-set™



AMVEX®



Diamond



MediEject II



VACUUM REGULATOR

PUSH-TO-SET™

FEATURES

- Push-To-Set™ automatic occlusion device
- Quick-To-Max
- Two turns to full wall vacuum
- One hand to set vacuum level
- All digital models take primary lithium 2/3AA, 3.6V, 1.6 Ah batteries.

TOP MOUNTED ON/OFF SWITCH
For ease of use

STAT SET-UP

Continuous/Intermittent mode starts with the "ON" Cycle - NO waiting!

FULLY ADJUSTABLE TIMING CYCLES
Preset to 15 seconds ON / 8 seconds OFF (Continuous/Intermittent Model Only)

TOUGH, RELIABLE

Survives dropping, holds calibration

CLEAR MARKINGS

Shows what mode the unit is set in Continuous/Intermittent & Continuous

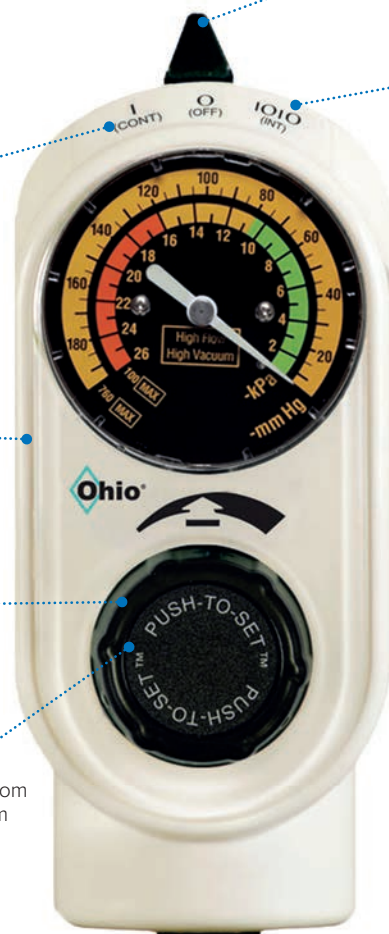
STRONG, BREAK-RESISTANT CASE
Ergonomic, sleek design

PATENTED PUSH-TO-SET™

Built-in feature eliminates the need to occlude patient tubing to set accurate vacuum levels

QUICK-TO-MAX

Only takes two turns from zero to full wall vacuum



DIGITAL GAUGE ALSO AVAILABLE

Large, easy to read display

DIGITAL ACCURACY

For patient safety (+/- 1% of full scale)



AVAILABLE OPTIONS:

- > Continuous or Continuous/Intermittent
- > Analog or Digital
- > Adult or High
- > Pediatric or Neonatal

*MRI Units MR Available: Adult Continuous & Continuous Intermittent Analog units only.

PUSH-TO-SET™ CONTINUOUS/INTERMITTENT VACUUM REGULATOR



Adult

TECHNICAL DATA			
	Adult	Pediatric	Neonatal
Vacuum Range	0-26 kPa (0-200 mmHg) and full wall vacuum	0-18 kPa (0-135 mmHg)	0-13 kPa (0-100 mmHg)
Color Band	Intermittent Mode: Preset at 8 L/min Continuous Mode: 0-80 L/min		Intermittent Mode: Preset at 8 L/min Continuous Mode: 0-50 L/min
Regulated Vacuum	Analog: $\pm 5\%$ Full Scale Digital: $\pm 1\%$ Full Scale		
Batteries	Digital Only: Primary lithium 2/3AA, 3.6V, 1.6 Ah Part Number: VR-DGP-BAT (two required)		
Timing*	Silent ON/OFF switching, preset 15 seconds ON / 8 seconds OFF (± 3 seconds), adjustable at bedside, begins in the ON mode		



Pediatric

Positive Pressure
Safety Relief Valve
(Pediatric & Neonatal Only)



Neonatal

PUSH-TO-SET™ CONTINUOUS VACUUM REGULATOR

TECHNICAL DATA			
	Adult	Pediatric	Neonatal
Vacuum Range	0-101 kPa (0-760 mmHg)	0-18 kPa (0-135 mmHg)	0-13 kPa (0-100 mmHg)
Flow Rate	0-80 L/min		0-50 L/min
Gauge Accuracy	Analog: $\pm 5\%$ Full Scale Digital: $\pm 1\%$ Full Scale		
Batteries	Digital Only: Primary lithium 2/3AA, 3.6V, 1.6 Ah Part Number: VR-DGP-BAT (two required)		

Two mode continuous (adult)
I (ON), O (OFF)Three mode continuous (adult)
I (ON), O (OFF), MAXTwo mode continuous (pediatric & neonatal)
I (ON), O (OFF)

Positive Pressure
Safety Relief Valve
(Pediatric & Neonatal Only)



VACUUM REGULATOR

AMVEX®

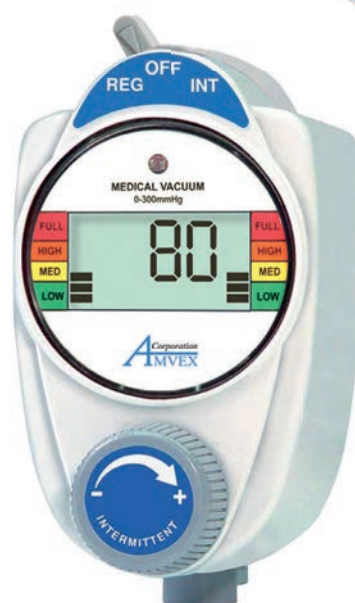
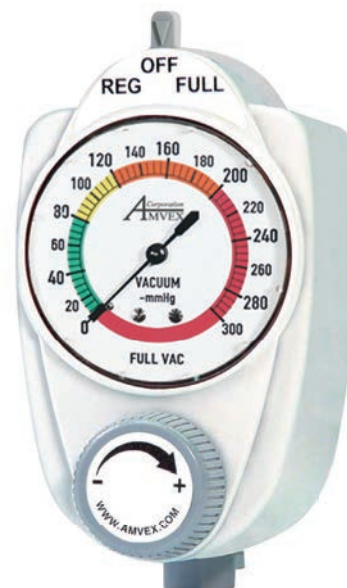
FEATURES

ANALOG:

- > Operating ranges:
0-100 mmHg, 0-160 mmHg, 0-300 mmHg, and 0-760 mmHg
- > Analog gauge designed for clarity (large white background)
- > International gauges move counter-clockwise with increasing vacuum levels
- > Same housing for both Continuous and Continuous/Intermittent Regulator
- > Strong and flexible ABS polymer plastic casing
- > The removable back panel allows you to visually inspect, service and clean
- > The product allows for cleaning by a cold sterilant flush.

DIGITAL: Includes all of the Analog features plus...

- > Patented state of the art Digital Display Technology
- > Easy to read display (numbers are five times the size of an Analog gauge)
- > Because there are no mechanical moving parts within the gauge, digital technology provides a longer working life versus analog mechanical gauges
- > Accuracy is +/-1% of full range
- > Upgrade to Intermittent mode or Digital in minutes
- > Color coded range on digital display corresponds to an Analog gauge



AVAILABLE OPTIONS:

- > Continuous or Intermittent
- > Analog or Digital
- > Adult or High
- > Pediatric or Neonatal



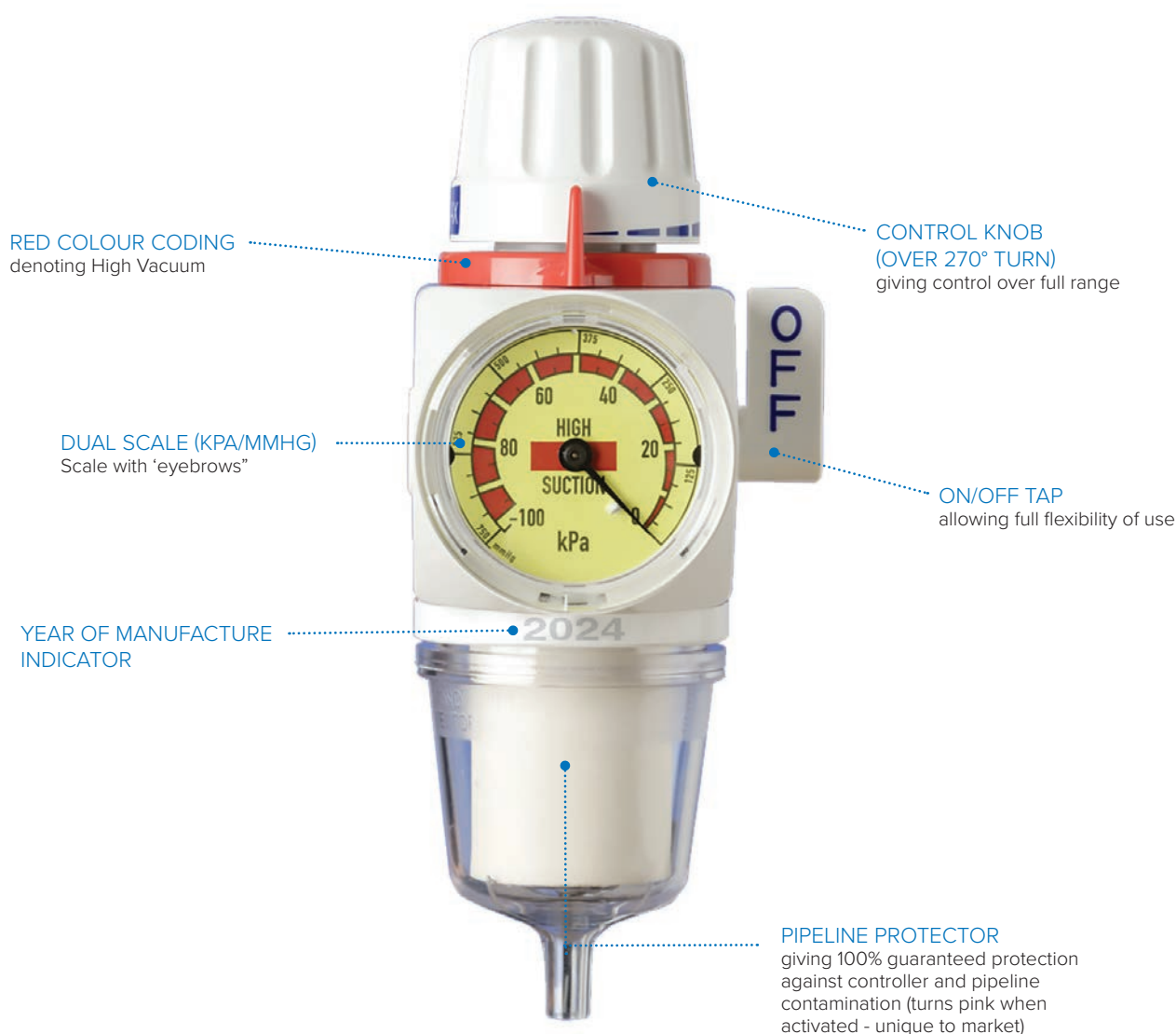
Body colors



Regulator components

SUCTION UNITS

DIAMOND RANGE



TECHNICAL DATA	
Body	High strength plastic colour coded body
Colour Coded back & indicator ring denoting type of suction being used	Red - High Vacuum (0 to -100kPa (-750mmHg) Orange - Low Vacuum (0 to -20kPa (-150mmHg) Green - Thoracic Vacuum (0 to -6kPa (-60cmH2O)
Gauge accurate	to +/- 10% of indicated vacuum
Suction Flowrate	High Suction - In excess of 55LPM Low Suction - In excess of 20LPM Thoracic Suction - In excess of 20LPM
Others	Supplied with gas distinct vacuum probe, 9/16 left handed threaded connector, or rail mounted Pipeline protector fitted as standard giving 100% guaranteed protection against pipeline contamination. Filter goes pink when wet Printed ring indicating year of manufacture

The Diamond Range suction unit is supplied with a 7 year warranty on function and accidental damage.

DIAMOND HIGH SUCTION

0 to -625mmHG (-80kPa) Suction Range



Diamond High Suction Unit



Diamond Rail Mounted High Suction Unit

DIAMOND HIGH SUCTION

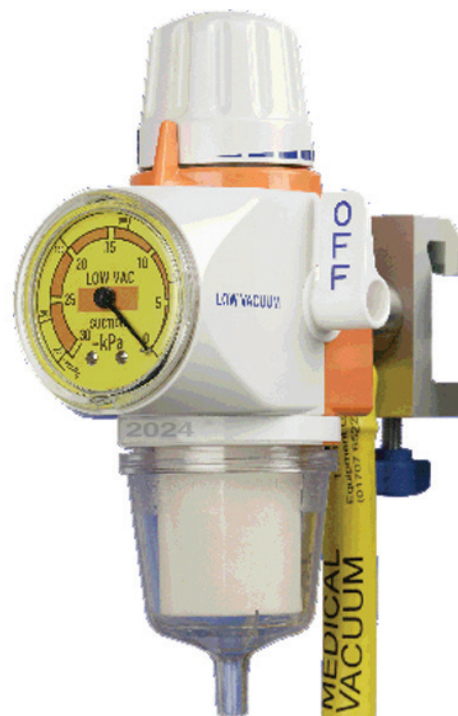
Item no.	Description	Flow range	Colour of plastic
7701	Diamond High Suction Controller With Probe	55LPM	■
7702	Diamond High Suction Controller With 9/16 Left Hand Fitting	55LPM	■
7703	Diamond High Suction Controller With 1/8 inch Female Fitting	55LPM	■
7705	Diamond Rail Mounted High Suction Controller	55LPM	■
7706	Diamond V Dovetail High Suction Controller	55LPM	■
7715	Diamond Direct High Suction Assembly Complete	55LPM	■
7707	Diamond Complete Rail Mounted High Suction	55LPM	■
7708	Diamond Complete V Dovetail High Suction Assembly	55LPM	■

DIAMOND LOW SUCTION

0 to -150mmHG (-20kPa) Suction Range. Relief Valve (full relief) set at -165mmHG.



Low Diamond Suction Unit



Rail Mounted Low Diamond Suction Unit

DIAMOND LOW SUCTION

Item no.	Description	Flow range	Colour of plastic
7720	Diamond Low Suction Controller With Probe	20LPM	■
7721	Diamond Low Suction Controller With 9/16 Left Hand Fitting	20LPM	■
7725	Diamond Rail Mounted Low Suction Controller	20LPM	■
7726	Diamond V Dove Tail Low Suction Controller	20LPM	■
7736	Diamond Complete Direct Low Suction Assembly	20LPM	■
7727	Diamond Complete Rail Mounted Low Suction	20LPM	■
7728	Diamond Complete V Dovetail Low Suction Assembly	20LPM	■

DIAMOND THORACIC SUCTION

0 to max –60cmH2O suction range. Relief Valve (full relief) set at –75cmH2O.



Thoracic Diamond Suction Unit



Rail Mounted Thoracic Diamond Suction Unit

DIAMOND THORACIC SUCTION

Item no.	Description	Flow range	Colour of plastic
7740	Diamond Thoracic Suction Controller With Probe	20LPM	■
7742	Diamond Thoracic Suction Controller With 9/16 Left Hand Fitting	20LPM	■
7745	Diamond Rail Mounted Thoracic Suction Controller	20LPM	■



7880

DIAMOND PACKAGE

Item no.	Description
7880	Diamond High Suction and O2 Single Diamond Flowmeter Package
7890	Diamond High Suction and O2 Twin Diamond Flowmeter Package

DIAMOND TWIN SUCTION

Item no.	Description
7765	Diamond Twin Suction High/High Backbar & Probe
7770	Diamond Twin Suction High/Low Backbar & Probe
7772	Diamond Twin Suction High/Thoracic Backbar & Probe
7780	Diamond R/M Twin Suction High/High Backbar Hose & Probe
7775	Diamond R/M Twin Suction High/Low Backbar Hose & Probe
7777	Diamond R/M Twin Suction High/Thoracic Backbar Hose & Probe



7760

DIAMOND THEATRE RANGE

Item no.	Description
7760	Diamond Theatre Suction Unit Complete
7761	Diamond Theatre Suction Unit With Twin Suction Controllers
7763	Diamond Theatre Suction Unit Without Jars
7763/ABB	Diamond Theatre Suction Unit (No Jars) But With Abbots Bracket
7763/ SERRES	Diamond Theatre Suction Unit without jars, fitted with Serres Brackets
7766	Diamond Theatre Suction With 4 Jars and One Controller
7767	Diamond Theatre Suction With 4 Brackets, One Controller But No Jars
7768	Diamond Theatre Suction With 0-15 Lpm Flowmeter, both with 5m Hose

SUCTION UNITS

THERAPY SOS

The Therapy SOS (Suction Oxygen System) is a neat fully integrated Oxygen and Suction supply device, which is normally powered from an Oxygen Gas Cylinder. It is ideal for all Patient Transfer and Resuscitation Trolleys, or anywhere within a medical environment where piped oxygen or vacuum is unavailable.

FEATURES

- Fully integrated oxygen and suction
- Ideal for resuscitation trolley
- Variety of mounting alternatives
- Units supplied with 7 year function warranty
- No annual strip down maintenance required
- Fully conforms to British Standard (ISO 10079-3 and ISO 15002)
- CE Marked
- Dial select oxygen flowrates - off/1/2/3/4/5/6/7/8/10/12/15 L/MIN
- Adjustable suction levels - 0-> 500mmHG
- Suction Flowrate ->15 L/MIN
- Venturi oxygen usage - Approx. 40 L/MIN @ Full vacuum
- Gauge accurate to +/- 2.5%
- Standard unit supplied with 1.5M hose assembly - Other lengths available
- Compatible with all types of collection jars/liners
- Pipeline Protector (Part NO. 4902) can be fitted



STANDARD 1.5 HOSE ASSEMBLY

Item no.	Description
4550	Rail Clamp Mounted Therapy SOS Unit
4555	Rail Clamp Mounted Therapy SOS Unit For Huntleigh Trolleys
4556	Rail Clamp Mounted Therapy SOS Unit with Right Angled 1.5m Hose Assembly
4559	Therapy SOS Unit with Mounting Bracket suitable for Anetic Aid Trolley & Right Angled 1.5m Hose Assembly
4560	Pole Clamp Mounted Therapy SOS Unit (Horizontal Pole)
4565	Pole Clamp Mounted Therapy SOS Unit (Vertical Pole)
4570	V Dovetail Mounted Therapy SOS Unit

SUCTION ACCESSORIES



7900

PIPELINE PROTECTORS (HYDROPHOBIC FILTERS)

Self contained Hydrophobic Filter which prevents any passage of liquid. This guarantees total protection of the hospital pipeline. Suggested change: High Usage Area - Every 3 months; Low Usage Area - Annually or variable depending on hospital infection control policy.

Item no.	Description
4900	Pipeline Protectors (Box of 10)
7900	Diamond Suction Pipeline Protector (Box of 10)
4903	Bacteriological Disc Filter (Box of 24)

0.5 LITRE JARS

Generally for use with Injector Suction. Does not have a float however is fully autoclavable.

Item no.	Description
4507	0.5 Litre Suction Jar
4506	0.5 Litre Suction Jar Holder (Wall Mounted)
4508	0.5 Litre Suction Jar Holder and Wall Mounted holder
4509	0.5 Litre Suction Jar Holder and Rail Mounted holder



12000

PERGO THERAPY JARS

Item no.	Description
12000	Pergo 1 ltr Jar
12500	Pergo 2 ltr Jar
12000-01	Pergo 1 ltr Jar Liner (disposable use)
12500-01	Pergo 2 ltr Jar Liner (disposable use)
12000-02	Pergo 1 ltr Jar Liner - Box of 100
12500-02	Pergo 2 ltr Jar Liner - Box of 100

SUCTION EJECTOR



MEDIJECT II


MediEject II, that uses the venturi principle to generate vacuum, has best in class performance in vacuum depth, gas consumption and noise level. MediEject II is mainly used in healthcare organizations where a vacuum source is not available.



MediEject II can be used instead of a vacuum regulator and can be used for suction of blood, secretions and food particles from the oral cavity, the nose/ pharyngeal space and the bronchial system. MediEject II is available in wide range of inlet probe connectors that conforms to various international standards like DIN, BSI, SS and also available in NIST versions.

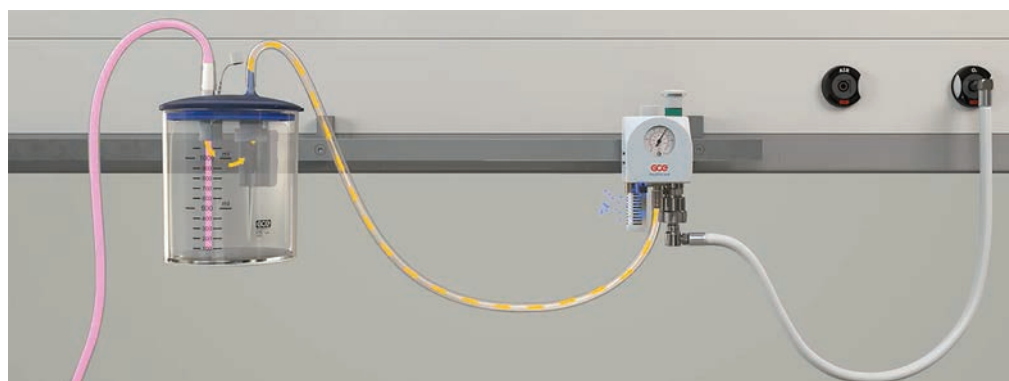
ADVANTAGES

- > 10 years life time
- > Maintenance free
- > One knob for ON/OFF and Vacuum control system
- > Ergonomic shape
- > Easy to clean
- > Excellent vacuum performances
- > Low gas consumption
- > Low noise level
- > Available in direct probe and rail clamp version
- > Driving gas can be O₂ or Air
- > Select the hose from our configurator



Device name	Gas	Flow Lpm	Outlet Thread	Local Standard Inlet	Probe
Medieject suction ejector			HN = hose nipple		
MEJ	O2	-800	HN	BS	0735413
MEJ	Air	-800	HN	BS	0735431

Device name	Gas	Flow Lpm	Outlet Thread	Rail clamp+ NIST hose connector	T-slide + NIST hose connector
Medieject suction ejector			HN = hose nipple		
MEJ	O2	-800	HN	0735437	0735434
MEJ	Air	-800	HN	0735439	0735438
MEJ	O2	-800	HN	0735437	0735434
MEJ	Air	-800	HN	0735439	0735438



TECHNICAL DATA	
Driving gas	O ₂ , AIR
Inlet	all regional standards in probe or hose version
Inlet pressure	4-5 bar (400 - 500 kPa)
Max gas consumption at inlet 4 bar)	25 lpm
Free flow suction at inlet pressure 4 bar	30 lpm
Noise level close/open suction	35/45 dB
Suction effect	-0.8 bar (-80 kPa)
Dimensions	
Total Width	70 mm
Depth (only body, no plate/clamp/probe)	52 mm
Max Height	150 mm
Weight	0.550 kg
Regulations	
	MDD 93/42/EEC-MDD 2007/47/EC
	EN ISO 10079-3 – Suction equipment
	EN 1789 – Ambulance Standard
	MRI Compatible

DIRECT PROBE
VERSION



NIST - RAIL CLAMP
VERSION



T-SLIDE
VERSION



T-SLIDE NIST
VERSION



MEDICOLLECT

The MediCollect Suction System is designed for use with a vacuum source (vacuum regulator, vacuum injector, etc.) in a hospital environment when collecting bodily liquids and secretions from patients during a medical procedure.



K291530

K291620



K291619

ADVANTAGES

- > The primary line is a range of reusable jars that are air-tight, autoclavable and have an overflow valve
- > Disposable suction jars
- > Easy to clean
- > Safe, simple and easy to use
- > Fitted with overfill protection

COLLECTING JARS (SCREW LID)

Item no.	Description	Size (H×W×D)	Weight	Autoclave	Durability
K291530	Medicollect 2000 Screw lid	302×135×130	545 g	121°C / 15'	30 Autoclave cycles
K291540	Medicollect 1000 Screw lid	236×115×110	340 g	121°C / 15'	30 Autoclave cycles
K291620	Medicollect 2000 Screw lid	302×135×130	545 g	134°C / 18'	30 Autoclave cycles
K291619	Medicollect 1000 Screw lid	236×115×110	340 g	134°C / 18'	30 Autoclave cycles

TECHNICAL DATA

		Collecting jar for use with bags (Snap-on lid)	Collecting jar for use without bags (Screw lid)
Material	Jar:	Polycarbonate (121°C)	Polycarbonate (121°C), Polysulfone (134°C)
	Lid:	Polycarbonate, Thermoplastic elastomer (TPE)	Polypropylene
	Hose nipple:	Polyethylene	Nickel plated brass
	Bag:		–
Anti-overflow arrangement:		Integrated	Ball float
Connector on source side:		Hose adapter for internal Ø9	Hose adapter
Connector on patient side:		Hose adapter for internal Ø9	Hose adapter
Maximum applicable vacuum:		-95 kPa (-950 mbar)	
Minimum applicable vacuum:*		-20 kPa (-100 mbar)	
Maximum flow rate:		70 l/min	100 l/min
Scale interval:		50 ml (1000), 100 ml (2000)	–
Storage conditions:		-40 ± 2°C to +60 ± 5°C and 10 to 100% RH	
Operating conditions:		-18 ± 2°C to +40 ± 5°C and 40 to 70% RH	
Regulatory status:		Medical device in risk class I + accessory following Medical Device Regulation (EU) 2017/745	
		EN ISO 10079-3 – Medical Suction Equipment.	
Legal manufacturer:		GCE, s.r.o., Žižkova 381, 583 01 Chotěbor, Czech Republic	

* for the correct function of the overfilling protection device

ASSOCIATED EQUIPMENT

Item no.	Description
373234593	Suction hose adapter 9 mm
373234931	T-connection for suction
325113237	Silicone hose; 25m; 6×12
9435440	Silicone hose; 5m; 6×12
9435450	Silicone hose; 1m; 6×12
K006968	Manual vacuum stop device, non sterile for adults
0727435	Universal rail clamp 10 x 25 mm and 10 x 30 mm for T-slide application



325113237

373234593



K006968



0727435

RAIL AND CLAMPS

Rail clamps are parts of rail systems and are intended for fastening the medical devices (flowmeters, suction equipment, lighting, etc.) to the railing. Design of new GCE rail clamps provides a high level of modularity. Max. load at vertical axis - 50 kg.



MEDICLAMP

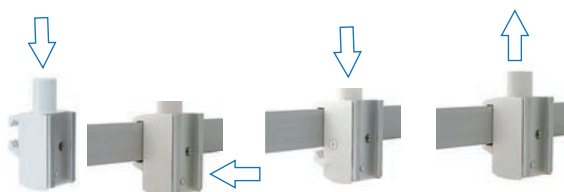
The Mediclamp is universal and can be applied to all applicable rail systems; 1: 10 x 25 mm, 2: 10 x 30 mm

FEATURES / FEATURES / ADVANTAGES / BENEFITS

- > Easy to clean
- > Light in weight
- > Spring activated
- > Ergonomic shape
- > MRI compatible
- > Complies to Ambulance standards



MOUNTING OF CLAMP



VARIABLE INSERTS

PERMANENT CONNECTIONS

Special aluminum plate for permanent connection with the products like MediEject, Duoline etc.

The plate can be simply adapted to customer needs by making additional holes.



SPK33810004

T-SLIDE

T-slide insert made from aluminum for T-plate application



0727435

RAIL CLAMP HOSE KIT

The main body of the kit (gas flow passage) made from aluminum intended for connection of a flexible hose or NIST QC.



SPK33810006

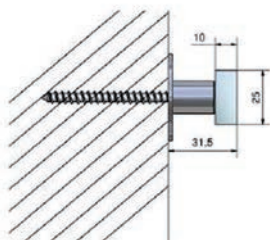
RAILS

EU RAIL COMPLETE (25×10 EU), WITHOUT SCREWS



Art. Nr.	Denomination (meter)	Material
325197656	1,0	Stainless Steel
325197657	1,5	Stainless Steel
325197658	2,0	Stainless Steel
325197659	3,0	Stainless Steel
325113122*	3,0	Stainless Steel

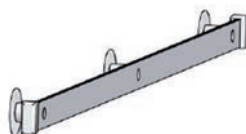
* Only rail, without end protection washer and distance.



ACCESSORIES

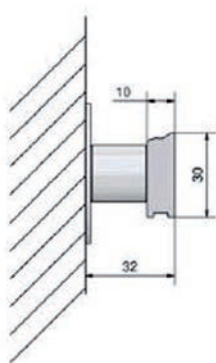
Art. Nr.	Description	Material
325112959	Distance 20 mm	Stainless Steel (pack of 5)
325112960	Washer D 40 mm	Stainless Steel (pack of 5)
325112961	End protection	Plastic

RAIL COMPLETE (30×10 NORDIC), WITHOUT SCREWS



Art. Nr.	Denomination (meter)	Material
325197665	1,0	Aluminium
325197666	1,5	Aluminium
325197667	2,0	Aluminium
325197668	3,0	Aluminium
183037406P*	3,0	Aluminium

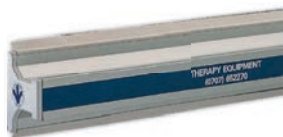
* Only rail, without end protection washer and distance.



ACCESSORIES

Art. Nr.	Description	Material
180901001P	End protection (10 pcs)	Plastic
182037404P	Washer (10 pcs)	Aluminium
329000223	Distance 20 mm	Aluminium

RAILS



2120

THERAPY EQUIPMENT RAIL 2000 SYSTEM

A single extruded aluminium section designed to fit directly to the wall, without the requirement for additional mounting brackets and fixing kits. Most types of Rail Clamp can be used and the rail is suitable for both General and Heavy Duty Purposes. The Rail is supplied cut into lengths of up to 3 Metres, inclusive of all trim, infill and caps and Wall Fixings (there are no extras).

Item no.	Description
2120	3M Rail Pack
2120/0.5	0.5M Rail Pack
2120/0.8	0.8M Rail Pack
2120/1	1M Rail Pack
2120/2	2M Rail Pack
2120-01	Rail Only (3M Length)
2120-02	Featheredge Rail Trim (3 Metre Length)
2120-03	Blue Facing Strip
2120-04	End Caps (Pair)
2120-05	Joining Kits (2 Tubes)

WALL FIXINGS

Item no.	Description
2130	Standard Screw & Raw Plug
2131	Spring Toggle & Screw

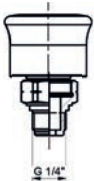
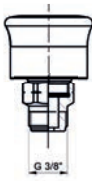
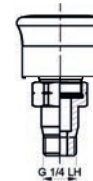
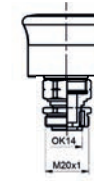
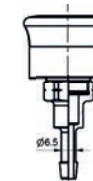

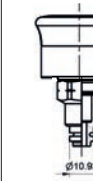


2001

RAIL CLAMPS

Item no.	Description
2001	Universal Rail Clamp 22mm
2002	Universal Rail Clamp 44mm Horizontal Holes
2050	Universal Rail Clamp 44mm Vertical Holes
2003	Universal Rail Clamp With V Bracket
2004	Universal Rail Clamp With General Purpose Hook
2005	Universal Rail Clamp With Block For 9.5mm Peg
2006	Universal Rail Clamp With Block For 12.5mm Peg
2009	Universal Rail Clamp 38mm
2011	Universal Rail Clamp 17mm
2003/ABB	Universal Rail Clamp with Abbots Bracket
2003/SERRES	Universal Rail Clamp with Serres Bracket

QUICK CONNECTORS

Gas Type	Local Standard	Connector / thread type						
		G 1/4"	G 3/8"	G 1/4" LH	M 20x1	HN 6,5mm	HN 8,5mm	1/4"-18 NPT
								
O ²	BSI	QCBSO01	QCBSO02	QCBSO03	QCBSO04	QCBSO05	QCBSO06	QCBSO07
Air	BSI	QCBSA01	QCBSA02	QCBSA03	QCBSA04	QCBSA05	QCBSA06	QCBSA07
Vac	BSI	QCBSV01	QCBSV02	QCBSV03	QCBSV04	QCBSV05	QCBSV06	QCBSV07
N ² O/O ²	BSI	QCBSNO01	QCBSNO02	QCBSNO03	QCBSNO04	QCBSNO05	QCBSNO06	QCBSNO07
Air 800	BSI	O/D	O/D	O/D	O/D	O/D	O/D	O/D
AGSS	BSI	O/D	O/D	O/D	O/D	O/D	O/D	O/D
O ²	NIST	QCNSO01	QCNSO02	QCNSO03	QCNSO04	QCNSO05	QCNSO06	QCNSO07
Air	NIST	QCNSA01	QCNSA02	QCNSA03	QCNSA04	QCNSA05	QCNSA06	QCNSA07
Vac	NIST	QCNSV01	QCNSV02	QCNSV03	QCNSV04	QCNSV05	QCNSV06	QCNSV07
O ² /Air combi	NIST	QCNSOA01	QCNSOA02	QCNSOA03	QCNSOA04	QCNSOA05	QCNSOA06	QCNSOA07
N ² O/O ²	NIST	QCNSNO01	QCNSNO02	QCNSNO03	QCNSNO04	QCNSNO05	QCNSNO06	QCNSNO07
CO ²	NIST	QCNSC01	QCNSC02	QCNSC03	QCNSC04	QCNSC05	QCNSC06	QCNSC07
Air 800	NIST	QCNSA801	QCNSA802	QCNSA803	QCNSA804	QCNSA805	QCNSA806	QCNSA807

TROLLEYS



325396136

Art. Nr.	Description
14090630	Trolley for 10 l cylinder, 5-wheels, static
325396136	Trolley for 10 or 20 l cylinder, without belt
	Dimensions H×W×D (mm): 935×426×352
325396137	Trolley for 10 and 20 l cylinders, 3×10 l or 2×20 l without belt
	Dimensions H×W×D (mm): 935×426×352
500009601P	Trolley for 2.5 or 5 l cylinder
325397691	Trolley for gas cylinder, D =116 mm



325396137



14090630



325397691

ACCESSORIES

Art. Nr.	Description	Trolley
500009602	Belt for 2.5 l cylinder	
325396138	Belt for 5 or 10 l cylinder	325396136, 325396137
325396139	Belt for 20 l cylinder	325396136, 325396137



8801

CYLINDER TROLLEYS

A full range of sturdy powder coated metal trolleys designed to carry a single cylinder.

Item no.	Description
8800	Cylinder Trolley Size J
8801	Cylinder Trolley Size G
8802	Cylinder Trolley Size F
8803	Cylinder Trolley Size E
8805	Cylinder Trolley Dumpy F Size



8823/8827

CYLINDER RINGS AND BRACKETS

Rings and Brackets are available for securing cylinders against a wall.

Item no.	Description
8822	Cylinder Wall Bracket Only
8823	Cylinder Ring Size C
8824	Cylinder Ring Size D/E
8825	Cylinder Ring Size F
8826	Cylinder Ring Size G
8827	Cylinder Ring Size J



8850



8855

CYLINDER CRADLES

Cylinder Cradles manufactured in white plastic coated metal.

Item no.	Description
8849	Cylinder Cradle Bed End Size C
8850	Cylinder Cradle Bed End Size D
8851	Cylinder Cradle Bed End Size E
8858	Cylinder Cradle Bed End CD
8854	Cylinder Cradle Wall Fix Size C
8855	Cylinder Cradle Wall Fix Size D
8856	Cylinder Cradle Wall Fix Size E
8865	Cylinder Cradle Wall Fix Size Cd
8859	Cylinder Cradle Rail Mounted Size C
8860	Cylinder Cradle Rail Mounted Size D
8861	Cylinder Cradle Rail Mounted Size E
8862	Cylinder Cradle Rail Mounted Size CD

HUMIDIFIER



MEDIWET

The humidifier for oxygen therapy is a device allowing an increase in the relative humidity in the oxygen supplied to the patient; this gas for medical use normally lacks a sufficient humidity grade to be physiologically tolerated. The MediWet jar is made of polycarbonate, or polysulphone the cap with inlet adaptor of polypropylene and inlet connection of polypropylene + coated brass.

Mediwet 200 has a particularly slim and space-saving design. The connections of the 500 ml version and the disposable humidifier are eccentrically mounted in order to save additional space by turning sideways.



Mediwet 500



Mediwet 200



Mediwet 200
with MediMeter®



HUMIDIFIERS: MEDIWET REUSABLE/ AUTOCLAVABLE & DISPOSABLE RSI 500

Inlet connection	Mediwet 200 ml, 121°C	Mediwet 200 ml, 134°C	Mediwet 500 ml, 121°C	Mediwet 500 ml, 134°C	Disposable humidifier, 500 ml
9/16" UNF	K294401	K294402	0724614	0724615	14090417
3/8" UNF	K294416	K294432	-	-	-
M 12x1,25	K293491	K293498	-	-	-
G1/4"	K294452	K294435	-	-	-

SPARE PARTS

Item no.	Description
14080526	Angle hose nipple 9/46", male thread
K294486	Silicone hose, 10 pcs
K294434	Silicone hose + diffuser, 10 pcs
K294415	Diffuser, 10 pcs
K294409	Washer (under lid), 10 pcs
K294490	Washer (under lid), 10 pcs
K294433	Inlet O-ring G3/8", 10 pcs
K294407	Inlet O-ring 9/16" UNF, 10 pcs

TECHNICAL DATA	
Contents:	Only sterile water or boiled cold water
Dimensions:	Height 190x67 Width (incl hose nipple) x570 mm
Weight:	Polysulphone version 115 g
Capacity:	According to national standards
Consumption:	According to national standards
Material:	Jar autoclavable at 134°C: polysulphone
	Jar autoclavable at 121°C: polysulphone
	Lid and outlet hose nipple: polypropylene
	Inlet nut: Chormed brass
	Diffuser: Polyethylene
	Hose, flat gasket: Silicone
	O-ring: EPDM
Outlet connection:	Tapered hose nipple for hose 6x9 mm (recommended length 2 m)
Cleaning:	Water, non abrasive detergent. Never use solvents.
Autoclave:	Polysulphone version 134°C for 5 minutes
Special case:	Diffuser: exchange at every cleaning - do not sterilise!
Maintenance:	Check that the humidifier is whole and air tight before use. Monthly exchange of gaskets is recommended. Exchange the diffuser when its microperforations no longer exist.
Durability?	Minimum 20 autoclave cycles under the condition that all instructions accompanying the product are adhered.

RCI SINGLE USE HUMIDIFIER

TECHNICAL DATA	
Capacity:	500 ml
Inlet:	9/16", Space-saving off-centre mounting
Outlet:	Recessed hose nipple reduces possibility of breaking off outlet connection
Alarm:	Preset audible alarm at 4 psi overpressure
Material:	Disposable, durable plastic
Dimensions:	Diameter 80 mm, Height 180 mm

QUALITY MIX AIR/O₂ BLENDER

BLENDER

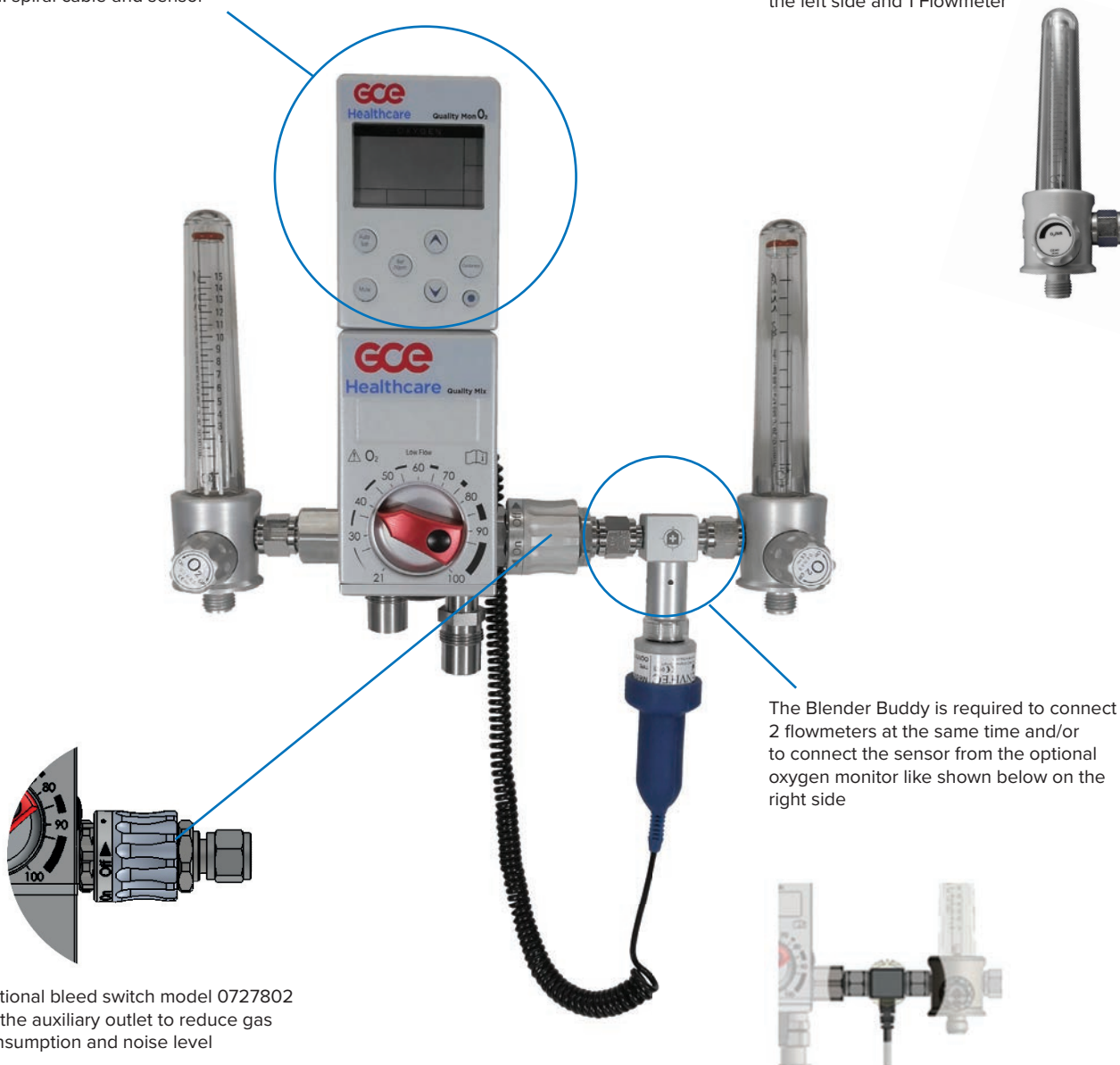
The oxygen concentration can be set easily and accurately between a range of 21% and 100%. A Pressure Alarm sounds if there is any interruption or pressure drop in the gas supply system. Easy to adjust, allows accurate blending with economical gas consumption and low noise level.

FEATURES / ADVANTAGES / BENEFITS

- > Quality Mix provides a continuous and precise mixture of medical Air and Oxygen for infants, children and adults.
- > The exact O₂ concentration is easy to adjust and an optional bleed switch enables very low gas consumption, even with flow rates of less than 3 l/pm
- > The delivered oxygen concentration can be displayed on the optional oxygen monitor.
- > Alarm limits can be set to ensure the corresponding oxygen concentration.
- > Beyond that you have the possibility to configure your device individually and according to your specific needs enabled through a sophisticated modular system which includes a regulator module, rail clamps, several flowmeters and silencers.
- > Depending on the application you can choose between a low flow blender 0-30 lpm combined flow rate and the high flow version with up to 120 lpm combined flow rate.

Optionally mounted O₂ monitor 0727804 on top of the blender incl. spiral cable and sensor

up to 3 Flowmeter can be mounted on 1 blender at the same time, 2 Flowmeters on the main outlet at the left side and 1 Flowmeter

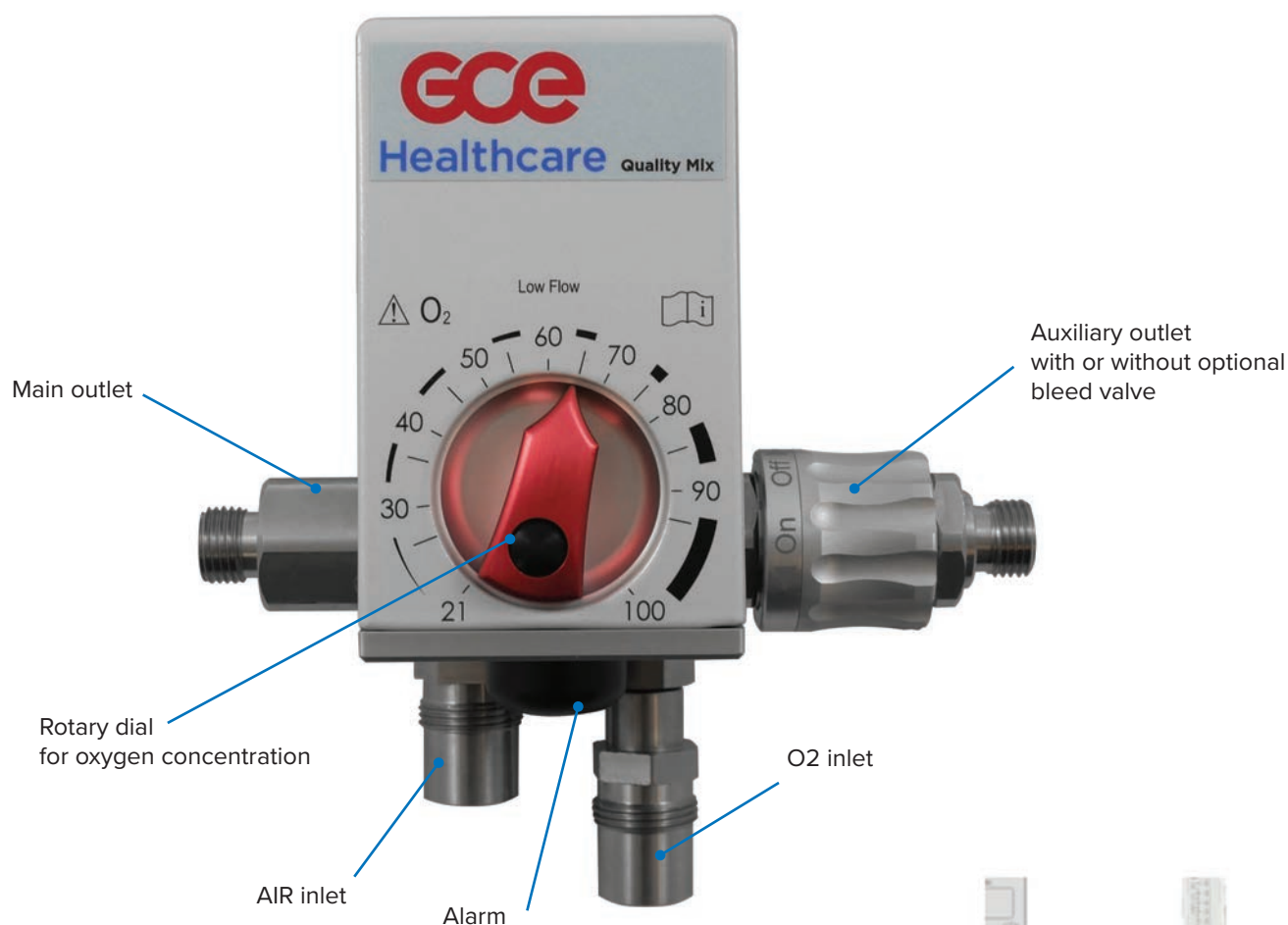


Optional bleed switch model 0727802 on the auxiliary outlet to reduce gas consumption and noise level

The Blender Buddy is required to connect 2 flowmeters at the same time and/or to connect the sensor from the optional oxygen monitor like shown below on the right side

Blenderbuddy
0727806

Art. Nr.	Product	Technical details	Delivery status
0727800	O2 / Air blender basic unit low flow	Low Flow, in: NIST out:9/16 ext. Details see tech data	packed in the blender box with space for accessories, including one selected manual
0727801	O2 / Air blender basic unit high flow	High Flow, in: NIST out:9/16 ext. Details see tech data	

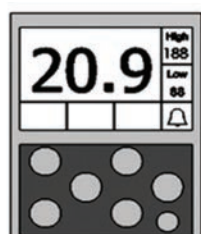


OPTIONAL FEATURES



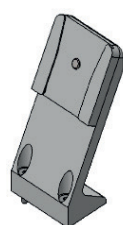
Regulator module
0727803, mounted
between blender
and gas inlets

Blenderbuddy 0757806



O₂ Monitor module 0727804
mounted on top of the blender,
with spiral cable and O₂ sensor

5 different Flowmeters from
0-3 lpm up to 8,5-85 lpm



Stand for external O₂
monitors 0727805

Blender mounting
clamps 0727807 for 25 mm rails
and 0727808 for 25-50mm rails



TECHNICAL DATA			
Blender Type		High Flow	Low Flow
Main flow outlet		15-120	3-30
Auxiliary flow outlet		2-100	0-30
Max. combined flow (both outlets)		<120	<30
Bleed flow at 3,4 bar		<13	<3
Emergency flow (in the event that Air or O ₂ supply failing)		<85	<15
Pressure drop at inlet pressure from 3,1 to 5,2 bar with a flow rate of 30l/min at 60% FIO ₂		<0,21	<0,14
Alarm sounds when supply pressure drops	Without regulator module	on 3,3	off 4,2
	With regulator module	on 2,3	off 3,2
Alarm volume		> 80dB at a distance of 30cm	
Setting range for oxygen concentration		21 - 100%	
Gas inlet pressure		4,5 ± 0,5 bar: air and O ₂ differential should be with 0,7 bar	
Accuracy of mixed gas (FIO ₂)		± 3% oxygen	
Connection types		DISS inlets and outlets for O ₂ and/or NIST inlets for air and O ₂	
Dimensions (LxWxH)		130 x 165 x 122 mm	
Weight		1600 g	
Operating temperature		+5°C to +40°C	
Storage temperature		+5°C to +40°C	
Humidity		Max.95 % non-condensing humidity	

* Flowrates expressed at 23°C and 101,3 kPa

ACCESSORIES

Art. Nr.	Product	Technical details	Delivery status
0727802	Bleed module	outlet 9/16", aluminum body	mounted on blender
0727803	Regulator module	balancing inlet pressures from 3,2-7,0bar	mounted on blender
0727804	Monitor Module incl. sensor & cabling	incl. spiral cabling max 1,8meter long & O2 Sensor	mounted on blender, select your manual
0727805	Stand for external O2 monitors	aluminum	packed with blender or single order box
0727806	Blenderbuddy	t-piece: 9/16 int. out 9/16 ext., sensor point int. 14,7mm	packed with blender or single order box
0727807	Blender mounting, 25mm rail	for 25mm rails, slide in 45x32x7,5mm, 44mm deep, aluminum	packed with blender or single order box
0727808	Blender mounting, 25-50mm rail & tubing	for rails 25-50mm and tubings 17-40mm, 76mm deep, aluminum	packed with blender or single order box
0727809	Flowmeter 0-3lpm	in: 9/16int., out: 9/16ext., aluminum body, polysulfon tubings	packed with blender or single order box
0727810	Flowmeter 0-6lpm	in: 9/16int., out: 9/16ext., aluminum body, polysulfon tubings	packed with blender or single order box
0727811	Flowmeter 0-16lpm	0-16lpm, in: 9/16int., out: 9/16ext., aluminum body, polysulfon tubings	packed with blender or single order box
0727812	Flowmeter 3,2-32lpm	3,2-32lpm, in: 9/16int., out: 9/16ext., aluminum body, polysulfon tubings	packed with blender or single order box
0727813	Flowmeter 8,5-85lpm	8,5-85lpm, in: 9/16int., out: 9/16ext., aluminum body, polysulfon tubings	packed with blender or single order box
0727814	Flowmeter silencer 22mm	for 22mm ventilation hoses, polyamid body	packed with blender or single order box
0727815	Flowmeter silencer 9/16"	9/16" outlet for patient hoses, polyamid body	packed with blender or single order box
0727816	O2 Sensor for monitor (wear part)	consumable	packed with blender or single order box
0727817	IFU Blender Central and south EU languages	Languages: DE, EN, ES, EL, FR, IT, NL, PT	1 selected version together with blender
0727818	IFU Blender north European languages	Languages: DA, ET, FI, IS, NO, SV	1 selected version together with blender
0727819	IFU Blender east European languages	Languages: BG, CS, HR, HU,LT, PL, RU, RO, SK, SL, SR, TR	1 selected version together with blender
0727820	IFU Blender America & Asia	Languages: BRA_PT, IND, EN_US, FR_CAN, JA KO, ZH	1 selected version together with blender
0727821	IFU Monitor Central and south EU languages	Languages: DE, EN, ES, EL, FR, IT, NL, PT	1 selected together with blender & monitor
0727822	IFU Monitor north European languages	Languages: DA, ET, FI, IS, NO, SV, LV	1 selected together with blender & monitor
0727823	IFU Monitor east European languages	Languages: BG, CS, HR, HU, LT, PL, RU, RO, SK, SL, SR, TR	1 selected together with blender & monitor
0727824	IFU Monitor America & Asia	Languages: BRA_PT, IND, EN_US, FR_CAN, JA, KO, ZH	1 selected together with blender & monitor

DUO FLOW DISTRIBUTORS

Are used to serve 2 patients or run 2 applications at the same time from one wall outlet point or quick couplings in clinics or emergency vehicles. The Y shape design is space saving for frequently overcrowded wall rails or bed head unit systems.



Gas Type	Probe	Shape	Product Code
O ₂	BS	Y-Shape	0727525
	BS	Back bar - wide	0727526
	BS	Back bar - narrow	0727535
Air	BS	Y-Shape	0727530
	BS	Back bar - narrow	0727536
Vac	BS	Y-Shape	0727532
	BS	Back bar - narrow	0727537
Air-800	BS	Y-Shape	0727531
	BS	Back bar - narrow	0727538

GAS PROBES

GCE gas probes are designed to provide a safe method of connecting medical equipment intended to deliver medical gases to patients or to power gas driven medical devices.

GCE gas probes are components of various medical devices (e.g pressure regulators, hose assemblies, flowmeters, lung ventilators , anaesthesia workstations, etc).

They form a connection between the supply source and the medical device. Gas and pressure specific connections are required to ensure the intended medical gas is safely delivered to the patient.

Numerous country specific standards are available, with 6 different versions to cover all possible requirements.

STRAIGHT, HOSE NIPPLE



> for direct crimping on hoses

STRAIGHT, THREAD



> for direct connection on medical devices

ANGLED, HOSE NIPPLE

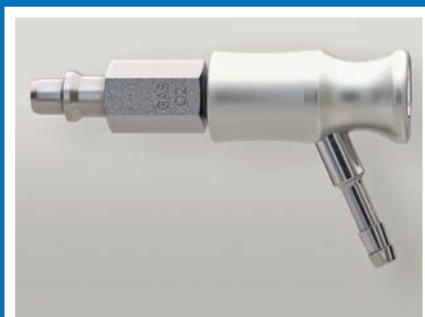


- > easy handling
- > secure grip due to tallied body
- > space-saving
- > with anti-twist rotating hose barb as standard
- > for direct crimping on hoses

STANDARD



Anti -twist hose guide due to 360° rotatable hose nipple

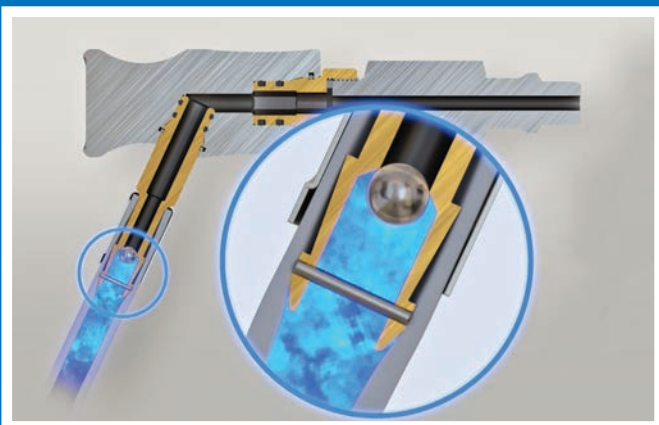


Angeled probe with tallied body shape for a safe, comfortable handling



Highly visible gas type identifier

ADDITIONAL OPTIONS



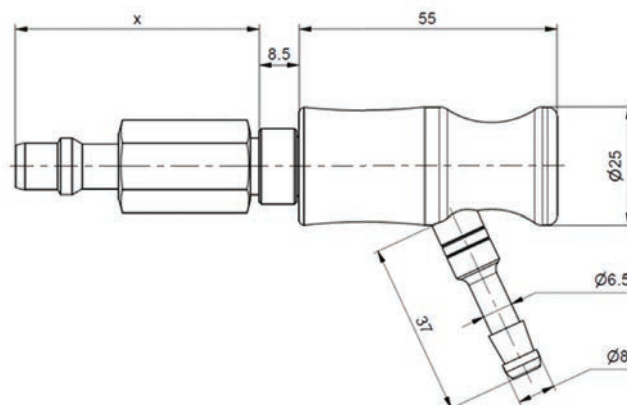
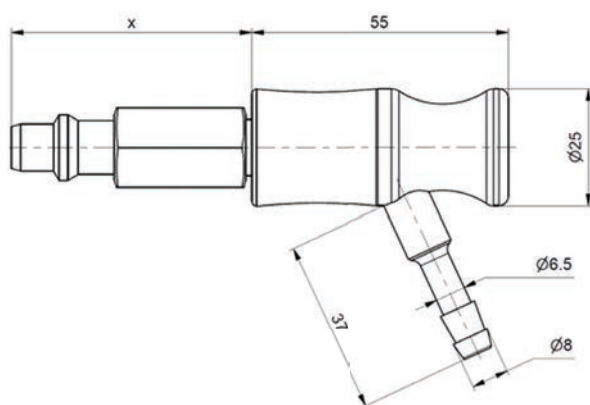
NRV for controlled gas shock relief



Swivelling angled probe for individual space saving positioning in gas outlets

TECHNICAL DATA	
Inlet pressure	3 - 5 bar
Max. working pressure	6 bar for breathing / 12 bar for tools drive / -0,9 for vac
Operating temp.	-25°C / 50°C
Storage temp.	-40°C / 70°C
MRI compatibility	No
Material	Alu alloy + brass/SS
Material of exterior plastic parts	PA 66
Material of sealing rings	EPDM
Max. tensile force hose barb	1000 N
Standards and legislation:	EN ISO 9170-1 2020 + national standards
Manufacturer:	GCE s.r.o. , 58381 Chotebor, CZ

STANDARD	ANGLED BASIC	ANGLED SPIN + NRV	PROBE DIMENSION X	HOSE
BSI	135 g	148 g	60,8 mm	6 mm
CZ	115 g	128 g	42,3 mm	6 mm
DIN	148 g	161 g	51,3 mm	6 mm
DISS	115 g	-	41,25 mm	6 mm
CARBAMED	111 g	124 g	43,3 mm	6 mm
NIST	166 g	-	40,45 mm	6 mm
AFNOR	145 g	-	43 mm	6 mm
SS	101 g	114 g	37,8 mm	6 mm
UNI	162 g	175 g	49,3 mm	6 mm









Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

BASIC PRODUCT without probe etc.		INLET CONNECTOR (Probe or NIST)		GAS		PROBE TYPE & INLET CONNECTOR		GAS TYPE COLOUR CODING		SPECIAL FEATURES	
PR	Probe	DN	DIN	O	O2	S12	straight thread M12	NO	None	SP	swivelling probe
		NF	NF 90-116 (France)	A	AIR	S4	straight thread G1/4"	WH	White	NRV	NRV
		BS	BSI	OA	O2-AIR	SH	straight & hose barb	BL	Black		
		SS	SS8752430 (Sweden)	C	CO2	AH	angled & hose barb	BU	Blue		
		UN	UNI 9507	V	VAC			Y	Yellow		
		CZ	Czech	N	N2O			GR	Green		
		DS	DISS	T	N2			GY	Grey		
		CB	Carbamed	A8	Instru Air			BW	BLWH		
		MD	Medap	AG	AGSS			UW	BUWH		
		PD	Parkodex	NO	N2O-O2			PK	PINK		
		CH	Chemetron					WB	WHBL		
		OH	Ohmeda					RE	Red		
		NPB	Puritan Bennett								
		ON	Oxyfar								
		M12	M12								
		G14M	G1/4M								
		G14	G1/4								
		SIS	Australia								
		NS	NIST								

Online configurator

Further options in the online configurator (<http://configurator.gcehealthcare.com/>)

Gas	Local Standard	Straight, hose nipple	Straight, M12x1	Angeled probe, no NRV	Angeled probe, with NRV	Angeled swivelling probe, no NRV	Angeled swivelling probe, with NRV
							
O ₂	BSI	PRBSO01	PRBSO02	PRBSO03	PRBSO04	PRBSO05	PRBSO06
AIR	BSI	PRBSA01	PRBSA02	PRBSA03	PRBSA04	PRBSA05	PRBSA06
VAC	BSI	PRBSV01	PRBSV02	PRBSV03	N/O	PRBSV05	N/O
AIR/O ₂	BSI	N/A	N/A	N/A	N/A	N/A	N/A
N ₂ O/O ₂	BSI	PRBSNO01	PRBSNO02	PRBSNO03	PRBSNO04	PRBSNO05	PRBSNO06
CO ₂	BSI	N/A	N/A	N/A	N/A	N/A	N/A
AIR-800	BSI	PRBSA801	PRBSA802	PRBSA803	PRBSA804	PRBSA805	PRBSA806
AGSS	BSI	N/A	N/A	N/A	N/A	N/A	N/A
O ₂	DS	PRDSO01	PRDSO02	PRDSO03	PRDSO04	N/O	N/O
AIR	DS	PRDSA01	PRDSA02	PRDSA03	PRDSA04	N/O	N/O
VAC	DS	PRDSV01	PRDSV02	PRDSV03	N/O	N/O	N/O
AIR/O ₂	DS	PRDSOA01	PRDSOA02	PRDSOA03	PRDSOA04	N/O	N/O
N ₂ O/O ₂	DS	PRDSNO01	PRDSNO02	PRDSNO03	PRDSNO04	N/O	N/O
CO ₂	DS	PRDSC01	PRDSC02	PRDSC03	PRDSC04	N/O	N/O
AIR-800	DS	PRDSA801	PRDSA802	PRDSA803	PRDSA804	N/O	N/O
AGSS	DS	PRDSAG01	PRDSAG02	PRDSAG03	PRDSAG04	N/O	N/O
O ₂	NS	PRNSO01	PRNSO02	PRNSO03	PRNSO04	N/O	N/O
AIR	NS	PRNSA01	PRNSA02	PRNSA03	PRNSA04	N/O	N/O
VAC	NS	PRNSV01	PRNSV02	PRNSV03	N/O	N/O	N/O
AIR/O ₂	NS	PRNSOA01	PRNSOA02	PRNSOA03	PRNSOA04	N/O	N/O
N ₂ O/O ₂	NS	PRNSNO01	PRNSNO02	PRNSNO03	PRNSNO04	N/O	N/O
CO ₂	NS	PRNSC01	PRNSC02	PRNSC03	PRNSC04	N/O	N/O
AIR-800	NS	PRNSA801	PRCNSA802	PRCNSA803	PRCNSA804	N/O	N/O
AGSS	NS	N/A	N/A	N/A	N/A	N/A	N/A

N/A – Not Applicable N/O – Not Offered (probe swivels by it self, NRV vacuum blocking flow) O/D – creation On Demand

TERMINAL UNITS

Medical terminal units provide quick and easy connection of hospital ward gas equipment to the hospital gas source. The type of medical gas outlets are decided by national standards in each country and sometimes from local requests in each hospital. GCE complies with ISO 7396 and national installation standards with secure products where every product is fully tested in production. Our Medical gas outlets are in accordance with ISO EN 9170-1 international standard.



Recessed version



Exposed version



BHU version



PEN version

FEATURES / FEATURES / ADVANTAGES / BENEFITS

- > 10 years free of preventive maintenance except TU's intended for use of running surgical tools
- > All functional components are made from brass
- > Simple installation
- > Fast connection and disconnection
- > Designed for medical environment, small size and easy to clean
- > Complies with colour coding and description by standard
- > After 10 years it is possible to upgrade the units with a special upgrade pack without building modification
- > Recessed and exposed versions
- > Bed head installation version (customized solution on request)

TECHNICAL DATA	
Gases:	O ₂ , N ₂ O, Air, CO ₂ , N ₂ , VAC, Air-800, Ar, AGSS, O ₂ /N ₂ O
Dimension:	Height: 73 mm, Width: 73 mm, Depth: 63 mm
Maximum pressure:	20 bar
Working pressure:	4–5 bar (breathing gases)
	7–10 bar (instrumental gases)
	(-0,4)–(-0,9) bar (vacuum)
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 7396-1 (Central Gas Supply System)
	Complies with EN ISO 9170-1 (Terminal units)
	Complies with EN ISO 9170-2 (Terminal units for AGSS)
	Complies with DIN 13260-2 (DIN gas specific connections)
	Complies with SS 8752430 (SS gas specific connections)
	Complies with BS 5682 (BSI gas specific connections)
	Complies with CSN 85 2762 (Czech gas specific connections)
	Complies with NF S 90-116 (AFNOR gas specific connections)
	Complies with FD S 90-119 (AFNOR Air-800 gas specific connection)
	present SIS HB 370 and HTM 02-01
	present HTM 02-01

TU MU INSTALLATION TOOLS

Item No.	Denomination
MP_00345	QC installation keys
MP_00324	Button remover (for round hole)
MP_03018ST	Button remover (for square hole)
MP_01157ST	Pendants/bedhead unit – installation tool
0732040	Installation plug (10 pcs)

BHU TU COMPONENTS

Item No.	Denomination
SPK36810171	Complete kit - Floating Ring, Spring, Circlip
SPP36810163	SP-TU TOM BHU Floating Ring Al
SPP36810164	SP-TU TOM BHU Spring Stainless steel
SPP36810165	SP-TU TOM BHU Circlip Stainless steel

EMERGENCY EQUIPMENT



EMERGENCY ANALGESIC SUPPLY SYSTEM

EASE II

EASE II demand valve is a robust and compact device used by patients to self administer medical gas therapy. EASE II can be used to administer nitrous oxide and oxygen mixture (commonly known as O₂/N₂O) for pain relief or medical oxygen therapy.

The EASE II demand valve is designed in a way that creates minimal breathing resistance to the patient and can deliver high flows when required.

- > Deliver up to 300 litres per minute of gas
- > Portable first stage regulator and cylinder version for immediate care and pre-hospital applications
- > Conforms to global standards

EASE II O₂ is recommended during diving accidents and cluster headaches therapy.
EASE II N₂O/O₂ is recommended during pain relief therapy.

FEATURES / ADVANTAGES / BENEFITS

- > Low inspiratory effort demand valve
- > Test/ Purge facility on the demand valve
- > Easy grip handle and wrist strap
- > Replaceable patient/bacterial filter
- > Easy to clean and reassemble for cross infection protocol
- > Hose fitted with probes by the national standards for connection into cylinder system or wall outlet
- > Autoclavable at 134 C°



Item no.	Description	WP	Gas	Inlet	Colour	Hose Length
0715300*	EASE II	200bar	O ₂ /N ₂ O	Straight Probe	Blue/White	3m
0715309**	EASE II	200bar	O ₂ /N ₂ O	Straight Probe	Blue/White	3m
0715335	EASE II	200bar	O ₂ /N ₂ O	Straight Probe	Blue/White	3m
0715350	EASE II	200bar	O ₂ /N ₂ O	Swivel Probe	Blue/White	2m
0715351	EASE II	200bar	O ₂ /N ₂ O	Swivel Probe	Blue/White	3m
0715352	EASE II	200bar	O ₂ /N ₂ O	Swivel Probe	Blue/White	4m
0715353	EASE II	200bar	O ₂	Swivel Probe	White	2m
0715354	EASE II	200bar	O ₂	Swivel Probe	White	3m
0715355	EASE II	200bar	O ₂	Swivel Probe	White	4m

*with facemask/filter, ** with PI Regulator

ACCESSORIES

Item No.	Denomination
1032936	Disposable mouthpiece
1035575	Breathing filter- single use
1032994	Mask adult size single use - vanilla
8848004	Reusable mask
850500	Expiration diverter single use (10 pcs)



TECHNICAL DATA - DEMAND VALVE

Gas	N ₂ O/O ₂
Material	Polycarbonate, silicone rubber, stainless steel
Dimensions	50 × 50 × 63 mm
Gas supply	Requirement 2,8 to 7,0 bar at >200 l/min
Inspiratory resistance (At 2,8 bar supply press.)	-0,15 to -0,2 kPa at 0 l/min
	-0.2 kPa at 10 l/min
	-0.7 kPa at 200 l/min
Expiratory resistance	+0,35 kPa at 120 l/min
Operating temperature	-20°C to +60°C used Oxygen
	+5°C to +40°C used 50/50 N ₂ O/O ₂
Storage temperature	-30°C to +60°C

TECHNICAL DATA - HOSE ASSEMBLY

Connection	Probes by the national standards
Working pressure	7 bar
Burst pressure	44 bar
Material	PVC, anti-static in accordance with ISO 5359
Weight	0.5 kg (3 m length)

AMBULANCE PANEL II

AMBULANCE PANEL II

The Ambulance Panel II is designed for permanent installation and for use as an integral part of ambulances. When connected to the source of medical gas (e.g. regulator, pressure regulator integrated with cylinder valve) then can be used as a terminal unit and allow the connection and gas supply of different medical devices, e.g. flowmeter, resuscitator, ventilator, suction ejector.

Due to the design and functions there are many variants available. The functions and variants can be combined upon customer's request.

The Ambulance Panel II is designed with same Shape for recessed and exposed.

Designed and manufactured according to EN 1789, Medical Devices Directive 93/42/EEC

Compatible with GCE Healthcare regulators and hoses



Recessed versions



Exposed versions

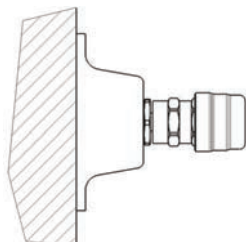
TECHNICAL DATA	
Inlet/ Outlet hose connection:	G3/8"
QC standards:	SS, DIN, NF, BS, UNI, CZ, others
Gases:	O ₂ , Air, N ₂ O/O ₂ , N ₂ O, VAC
Classification	Class IIb
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN 1789:2008
	Production in accordance with EN ISO 9001 and EN ISO 13485
Manufacturer:	GCE, s.r.o., Žižkova 381, 583 81 Chotěbor, CZ

RECESSED

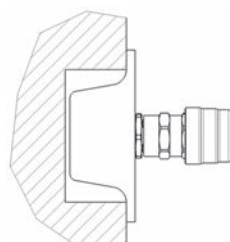
Recessed mounting is when the ambulance panel is mounted in the wall. The inlet could either be mounted at the end or at the back depending on the wall construction and the space behind the wall. The only part that will be outside the wall is the quick connector.

EXPOSED

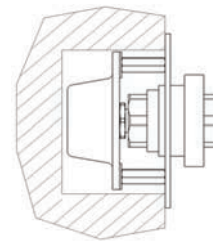
Exposed mounting is when the ambulance panel is mounted on the wall in the ambulance. The inlet could as the recessed, also be located at the end or at the back. When using the end inlet the hoses are fastened on the wall and fully visible. For some countries and regulations this is a must and the Ambulance Panel II has the features complying to these requests. The panel is fastened easily by 4 screws. Depending on the wall construction the fastening could either be done by a counter fastening frame or nuts and washers.



Sketch of exposed mounted panel



Sketch of recessed mounted panel



Sketch of double recessed mounted panel

FINAL PRODUCT Ambulance panel	GAS		NUMBER OF QC OUTLETS	INLET CONNECTOR STANDARD		MOUNTING		OPTIONS	
AP II	O	O ₂	1	BS	BSI	E	Exposed	S	Manual switch
	A	AIR	2	CZ	Czech	R	Recessed	M	Gauge
	V	VAC	3	SS	Sweden	DR	Double Recessed	O	Outlet
	N	N ₂ O	4	NF	France			FS	FlowSelector
	A8	AIR8		DS	DISS			EJ	Suction Ejector
	ON	O ₂ /N ₂ O		UN	UNI 9507				
	CG	O ₂ , AIR, VVAC...							

INLET

The inlet connection of the Ambulance Panel II is standard 3/8 thread. This is a standard thread with conical sealing that has been used many times in this kind of application. A threaded connection makes the assembly easier and the parts easy to maintain and exchange.

Options:

- 90° angled inlet
- side or rear inlet



The manual switch-over is a selector that select which cylinder is supplying the ambulance panel. There are three steps 1-0-2 (0-1), where the 0 is off 1 is cylinder one and 2 cylinder two.

The manual switch-over can be incorporated in the panel beside the other quick couplings or it could be mounted separately.

QUICK COUPLINGS

There are many variants of quick couplings on the Ambulance Panel II. The most frequent standards are used on the Ambulance Panel II. For special quick couplings please contact GCE. By using standard components and quick couplings the assembly is easy and the maintenance accessible and effective.



Variants - up to 4 quick couplings

OUTLET

The outlet is standard G3/8 thread connection. If additional panels are needed, the Ambulance Panel II can have extra outlets for panels mounted in series. The panels are then connected with a standard hose and hose connections.

MANUAL SWITCH-OVER

More outlets possible

Options:

- 90° angled
- side or rear



GAUGE

One of the additional functions in the Ambulance Panel II is the gauge on the panel. The gauge displays the working pressure in the system and is fully visible by the staff in the ambulance.

FLOW SELECTOR

The Ambulance Panel II module can be equipped with a flow selector. The flow selector is permanently attached to the Ambulance Panel II module and can have the flow settings of 0-15 or 0-25 litres per minute. This integrated module gives the Ambulance Panel II a compact design and minimises the protrusion of products from the wall.

HOSE CONNECTORS

- Hose nipple G3/8
- Hose nipple G3/8 - 90°
- T-piece G3/8



Fastened easily by 4 screws

PANEL MATERIAL:

aluminum - light and robust

AMBULANCE PANEL SYSTEM

AMBULANCE PANEL SYSTEM

The Ambulance panel system is a set of components that are to be assembled together. The system is designed for use as an integral part of ambulance cars and is intended for administration of the following medical gases in the treatment, management, diagnostic, evaluation and care of the patient:

- O₂
- Air
- Mixture of O₂+N₂O

The individual components can be combined in many different configurations giving the end user the flexibility. The Ambulance Panel System complies with EN 1789.

As a manufacturer, GCE assumes full responsibility for the products in accordance with the MDR. Even supposedly minor changes to an ambulance panel system, such as changing the labelling, replacing of a component, or shortening a hose, mean that the modifier is legally responsible as the manufacturer for the entire system. Our wide range of products in combination with the configurator allows you to order an Ambulance panel system individually tailored to your needs. So, you are always on the safe side.



COMPONENTS OF THE AMBULANCE PANEL SYSTEM

AMBULANCE REGULATORS

The Ambulance Panel System can be delivered with two types of regulators - MediReg® or Varimed. The ambulance regulators are lightweight and designed to withstand the conditions in the road ambulance and are manufactured according to EN ISO 10524-1, EN 1789, Medical Devices Directive 93/42/EEC. The ambulance regulators with standard G3/8" connections, optionally with quick connectors, can be delivered with electronic signal gauge or sensor to be connected to the ambulance monitoring or gas monitoring systems.

The ambulance regulators are easily installed to the ambulance panel system thanks to its ergonomic and compact design, and a wide range of inlet connections.



Medireg



Varimed



Standard Ambulance Hose



Steel reinforced

AMBULANCE HOSE

The hoses connect to the regulators and the panels. The hoses are made up to individual specifications and are clamped and tested ready to install in the ambulance.

The hoses are designed to withstand the conditions in the road ambulance and are manufactured according to EN ISO 5359, EN 1789, Medical Devices Directive 93/42/EEC. Colour coding of EN ISO 5359. The hoses is delivered antistatic with the standard connection G3/8" and wide range of country specific connections. The hose lengths is configurable from 0.5 to 10 m.

The low pressure hoses can also be delivered stainless steel reinforced.

AMBULANCE PANEL II - GAS OUTLET

The ambulance panel range from GCE offers unrivalled flexibility in its installation and design.

The modular concept uses common components leading to shorter lead times for manufacture and installation. Modules are infinitely variable and can incorporate gauges, switchovers, outlets or integral flow selectors and suction. Low profile back plates ensure close fitting to the ambulance wall whilst rounded edges avoid patients being exposed to sharp corners. The clear and simple gauge and switch over system allows easy surveillance and visibility by ambulance staff.

Designed and manufactured according to EN ISO 10524-1, EN 1789, Medical Devices Directive 93/42/EEC.



HEMOCARE



PORTABLE OXYGEN CONCENTRATOR

ZEN-O lite™

Zen-O lite™ is a lightweight portable oxygen concentrator from GCE Healthcare that delivers up to 1050 ml of oxygen to patients that require long term oxygen therapy. Zen-O lite™ is simple to use and is suitable for everyday use. Zen-O lite™ is manufactured to the exacting standards of the European Medical Device Directive and the United States Food and Drug Administration.

FEATURES / ADVANTAGES / BENEFITS

- > Replaceable sieve modules
- > Breath detection indicator
- > Alarm
- > Suitable for air travel
- > Durable
- > Eco mode
- > Auto-mode



Zen-O lite™ carry bag



Zen-O lite™ rucksack



Battery



AC power supply



DC power supply

Art. Nr.	Description
RS-00608-G-S	Zen-O lite™ portable concentrator with one 8 cell battery
RS-00608-G-D	Zen-O lite™ portable concentrator with two 8 cell batteries
RS-00601	Zen-O lite™ rechargeable battery
RS-00603	Zen-O lite™ AC power supply w/UK cord
RS-00605	Zen-O lite™ DC power supply
RS-00606	Zen-O lite™ carry bag
RS-00616	Replacement sieve modules
RS-00617	Zen-O lite™ cannula wrench
RS-00619	Zen-O lite™ rucksack
RS-00512	Zen-O lite™ cannula filter pk of 10
RS-00517	Zen-O lite™ external battery charger - UK
RS-00523	Zen-O™ accessories bag
RS-00531	Zen-O/lite™ Dual Bay Ext Chg UK
MM6012	Adult high low cannula 7ft. Pack of 25pcs*
MM6013	Adult high low cannula 25ft. Pack of 10pcs*

Each POC includes an oxygen concentrator with carry bag, battery, user manual, AC and DC power supply cords.

* Suitable for Zen-O™ and Zen-O lite™ portable oxygen concentrators.

* At setting 2

TECHNICAL DATA	
Size (W×D×H)	249 mm × 97 mm × 235 mm (9.8" × 3.8" × 9.25")
Weight	2.5 kg (5.5 lbs) without carry bag
Power requirements	AC adaptor: 100-240V AC (+/- 10%) 50-60 Hz in, 24V DC, 5.0A out DC adaptor: 11.5 - 16V DC in, 24V, 5.0A out
Purity	87% - 96% at all settings
Maximum oxygen discharge pressure	20.5 psi
Inspiratory trigger sensitivity	-0.12 cm/H ₂ O
Humidity range	5 % to 93 % ± 2 % non-condensing
Temperature	
Operation	5°C (41°F) and 40°C (104°F)
Storage	-20°C (-4°F) and 60°C (140°F)
Setting	Adjustable in 0.5 increments from 1.0 to 5.0
Noise level	37 dB(A)*
Operating altitude	0' to 13000' (0m to 4,000) relative to sea level, 1060 down to 575 mbar
Battery duration	Up to 4 ½ hours at 18 BPM*

*At pulse setting 2.



ZEN-O™

Zen-O™ portable oxygen concentrator delivers up to 2 litres of oxygen in either pulse or continuous mode. Zen-O™ is manufactured to meet the exacting standards of the European Medical Device directive and the United States Food and Drug Administration.

FEATURES / ADVANTAGES / BENEFITS

- > Dual mode
- > Simple and easy to use
- > Responsive to patient needs
- > Durable and reliable
- > Easily replaceable sieve bed
- > Visual and audible alarms
- > Eco mode
- > Auto-mode

Art. Nr.	Description
RS-00502-G-S	Zen-O™ concentrator 12 cell
RS-00502-G-D	Zen-O™ concentrator 2 battery package
RS-00501	Zen-O™ battery 12 cell
RS-00509	Zen-O™ carry bag
RS-00507	Zen-O™ cart
RS-00508	Zen-O™ DC adapter
RS-00511	POC filter wrench
RS-00512	POC cannula filter pk of 10
RS-00513	Sieve bed assembly
RS-00517	Zen-O™ External battery charger - UK
RS-00521	Zen-O™ AC power supply w/UK cord
RS-00523	Zen-O™ accessories bag
RS-00531	Zen-O/lite™ Dual Bay Ext Chg UK
RS-00533	Humidifier bag
RS-00534	Humidifier Kit (humidifier bag, humidifier bottle, angle connector, 40cm O ₂ hose)
RS-00536	Zen-O™ Backpack
MM6012	Adult high low cannula 7ft. Pack of 25pcs*
MM6013	Adult high low cannula 25ft. Pack of 10pcs*

* Suitable for Zen-O™ and Zen-O lite™ portable oxygen concentrators.

TECHNICAL DATA	
Size (W×D×H)	212 mm × 168 mm × 313 mm (8.3" × 6.6" × 12.3")
Weight	4.66 kg with one 12 cell battery
Power requirements	AC adaptor: 100-240V AC (+/- 10%) 50-60 Hz in, 24V DC, 6.25A out DC adaptor: 11.5-16V DC in, 19V, 7.9A out
Purity	87% - 96% at all settings
Maximum oxygen discharge pressure	20.5 psi
Inspiratory trigger sensitivity	-0.12cm/H ₂ O
Humidity range	5 % to 93 % ± 2 % non-condensing
Operating attitude	0' to 13,000' (0m to 4,000m)
Temperature	
Operation	5°C (41°F) and 40°C (104°F)
Storage	-20°C (-4°F) and 60°C (140°F)
Setting	Adjustable in 0.5 increments from 1.0 to 6.0 in pulse mode and from 0.5 to 2.0 in continuous mode
Noise level	38 dB(A) tested to Prüfmethode 14-1 03/2007 MDS-Hi* 42 dB(A) tested to ISO 3744*
Alarm types	Low oxygen purity No breath detected Low battery Service required
Battery duration	Up to 9 hours with 2 batteries at 18 BPM**

*At pulse setting 2.



Zen-O™ with bag and pull cart



Zen-O can hold up to two 12 cell batteries



EU cords, AC and DC power supply

OXYGEN CONCENTRATOR

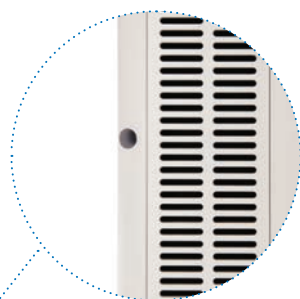
M50

The lightweight, ergonomically designed M50 oxygen concentrator makes life simpler for patients that require Long Term Oxygen Therapy (LTOT).

The M50 delivers high concentration of oxygen with flow rates of up to 5 litres per minute. Featuring a compact design, the M50 is easy to move, store and maintain - with just one minute needed to replace any part to be maintained by the user. It also comes with an integrated oxygen sensing device for monitoring oxygen purity levels, and a low oxygen purity alarm to alert the patient if there is low oxygen supply.

FEATURES

- > Lightweight - a mere 15,2 kg
- > Quiet operation
- > Sleek, compact design with handle for easier movement
- > Adjustable flow rate up to 5 litres per minute
- > Fire safe oxygen outlet port for added security
- > Low oxygen purity alarm for peace of mind
- > Compatible with various bubble humidifiers
- > Two year warranty



Air filter
(Located behind the cover)



Flowmeter



Two stage paper filter

Art. Nr.	Description
304052021	M50 Oxygen Concentrator with EU plug
304053021	M50 Oxygen Concentrator with UK plug
14090417	Humidifier (supplied as box of 50pcs)
501130041	Bacteria Filter suitable for M50, OC-E80 and OC-E100
501150007	M50 Sponge filter
501010261	2 Stage Paper filter suitable for M50, OC-E80 and OC-E100
501010182	M50 air intake vent cover
501010183	M50 paper filter cabinet cover
501010191	M50 paper filter housing

TECHNICAL DATA	
Delivery rate (l/min)	0,5 - 5
Flow Mode	Continuous
Oxygen Concentration	93 +/- 3 %
Weight	15.2kg (33lbs)
Dimensions (HxWxD)	600x390x230 mm
Outlet pressure (MPa)	0.05±0.005
Average Power Consumption	300W/230V/50Hz and 310W/120V/60Hz
Sound level	<42 dBA
Operating environment (°C)	10 - 37 (°C)
Equipment Class	Class IIa
Humidity range (%)	15 - 95
Oxygen Purity Alarm	Low oxygen: 82%
Additional functions	Metal oxygen outlet for fireproofing

OC-E SERIES

The OC-E80 and OC-E100 oxygen concentrators provide patients with up to 8 litres and 10 litres per minute respectively. Thanks to the large LCD screen, patients can see a three colour bar oxygen concentration reading to monitor supply levels in real time. The sleek design provides easy handling and, as one of the quietest devices available, OC-E Series concentrators minimise disruption to patients' day-to-day life.

FEATURES

- > Sleek design for easy use
- > Real time oxygen concentration display
- > Large colour LCD screen
- > Quiet operation
- > Compatible with various bubble humidifiers
- > Two year warranty



LCD screen



Two stage paper filter



Air filter
(Located behind the cover)

Art. Nr.	Description
301082004	OC-E80 Oxygen Concentrator with EU plug
301083004	OC-E80 Oxygen Concentrator with UK plug
301102013	OC-E100 Oxygen Concentrator 10LPM with EU plug
301103013	OC-E100 Oxygen Concentrator 10LPM with UK plug
14090417	Humidifier (supplied as box of 50pcs)
501130041	Bacteria Filter suitable for M50, OC-E80 and OC-E100
501010010	OC-E80 and OC-E100 Sponge filter
501010261	2 Stage Paper filter suitable for M50, OC-E80 and OC-E100
501010058	OC-E80 and OC-E100 air intake vent cover

TECHNICAL DATA	OC-E80	OC-E100
Delivery rate (l/min)	0,5 - 8	1 - 10
Flow Mode	Continuous	Continuous
Oxygen Concentration	93 +/- 3 %	93 +/- 3 % w
Weight	27 kg	27 kg
Dimensions (HxWxD)	689x381x347 mm	689x381x347 mm
Outlet pressure (MPa)	0.05	0.05
Average Power Consumption	510W/230V/50Hz	650W/230V/50Hz
	380W/120V/60Hz	730W/120V/60Hz
Sound level	< 50 dBA	< 50 dBA
Operating environment (°C)	10 - 37 (°C)	10 - 37 (°C)
Equipment Class	Class IIa	Class IIa
Humidity range (%)	15 - 95	15 - 95
Safety: Alarms & Features	Power failure, high pressure/low pressure. Low Oxygen Concentration, temperature, current overload or line surge shutdown, thermal switch, 40psig pressure relief valve	

ELECTRONIC OXYGEN GAS CONSERVING DEVICE

ECOLITE® 4000



ECOLite® 4000 is an electronic oxygen gas conserving device that supports efficient long term oxygen therapy treatment (LTOT).

With the ECOLite® 4000, oxygen is delivered only during the inhalation phase during a breathing cycle allowing savings of up to 10 times compared to continuous flow oxygen therapy.

FEATURES / ADVANTAGES / BENEFITS

> ADVANCED TECHNOLOGY

A special feature of the ECOLite® 4000 is the small internal regulator, that allows the user to select a supply inlet pressure of between 1.6 to 5 bar.

> AUTOMATIC AND MANUAL FLOW RATES

The device offers automatic and manual operating modes. In the automatic mode the amount of oxygen delivered increases in relation to the set flow rates of 15 to 30 breaths per minute, to a maximum of 8 Litres Per Minute (LPM). In the manual mode the flow rates are from 0.5 to 8 LPM.

> FIXED FLOW RATE

The ECOLite 4000 allows home oxygen providers to select and lock a fixed flow rate prescribed by a clinician during the initial installation.

> VISUAL AND AUDIO ALARMS

The ECOLite 4000 alerts users and carers if there is no oxygen supply, no breathing is detected or battery power is low.

> DURABLE

The ECOLite 4000 has a robust design and is built to last up to 10 years. The device is supplied with a 2 year device warranty.

Art. Nr.	Description
325197479	ECOLite® 4000 COMPL UK
325197617	ECOLite® 4000 COMPL 1.6 BAR

ACCESSORIES

Art. Nr.	Description
14111220	Standard Nasal cannula
14111222	Spiral Hose SE
14090329	Spiral Hose UK
14090417	Spiral Hose 1.6 bar
14090510	Spiral Hose DE
325197699	Supply hose ECOLite® 4000 3/8
14090535	ECOLite® 4000 Carry Bag
14090631	ECOLite® 4000 Carry Bag Trolley



14090535



14090631

TECHNICAL DATA - FUNCTIONAL PERFORMANCE

Settings	Manual/Automatic
Triggering	At each breath
Sensitivity	0,13 cm H ₂ O
Regulating pressure	1,6 bar
Accuracy	0,5 - 1,5 l/min +/- 30%
	2 - 8 l/min +/- 15%
Cycle output	0.5 to 8 l/min corresponding to 5 - 80 ml per bolus
Alarms	Low battery
	No Oxygen supply
	No inhalation

TECHNICAL DATA - POWER SUPPLY

Battery	RO6, AA, Alkaline 1.5 V
Oxygen supply pressure	Between 1,6 and 5 bar
Flow	Minimum 4 litres per minute

TECHNICAL DATA - DIMENSIONS AND WEIGHT

Dimensions	
Height	101 mm
Width	85 mm
Depth	32 mm
Weight	184 g without battery

TECHNICAL DATA - ENVIRONMENTAL CONDITION

Ambient temperature	
Operational	-10°C to +40°C
Storage	-40°C to +70°C
Relative humidity	25 % to 95 %

REGULATORY STATUS

The device meets the requirements of the Medical Device Directive 93/42/EEC relating to medical devices, Class IIa.

ACCESSORIES FOR OXYGEN THERAPY



AQUAPAK 340 ML TP AQUAPAK STERILE WATER PACKS

AQUAPAK® prefilled humidifiers combine an easy-to-use adaptor with a choice of two sterile water reservoir bottles. The humidifier adaptor incorporates an audible alarm that alerts the clinician to flow restriction or occlusion of the humidifier or oxygen tubing.

- > latex-free
- > single use
- > individually packed

Art. Nr.	Description
14090563	Aquapak 340 ml. Pack of 20
14090561	Aquapak 650 ml. Pack of 10



DISPOSABLE HUMIDIFIER BOTTLE

Art. Nr.	Description
14090417	Single use disposable humidifier bottle, 500ml volume. Pack of 50



NASAL CANNULA

Art. Nr.	Description
14112132	Adult nasal cannula (2.1m), non-flared tip. Flow rate 1-7 LPM. Pack of 50
14090510	Adult nasal cannula (2.1m), flared tip. Flow rate 1-7 LPM pack of 50
14090513	Adult nasal cannula (2.1m). Flow rate 1-4 LPM. Pack of 50
MM6012	Adult high low cannula 7ft. Pack of 25pcs*
MM6013	Adult high low cannula 25ft. Pack of 10pcs*

* Suitable for Zen-O™ and Zen-O lite™ portable oxygen concentrators.



OXYGEN ADULT MASK

- > complete with 2,1 m oxygen hose

Art. Nr.	Description
14090500	Oxygen mask suitable for 5 - 10 LPM. pack of 50



OXYGEN CONNECTION TUBES

Art. Nr.	Description
14112138	Connection tube 4.2 m
14090496	Connection tube 7.5 m
14090495	Connection tube 15 m



OXYGEN TUBE EXTENSION ADAPTER

Art. Nr.	Description
14090515	Extension adapter for oxygen tubing, masks etc
14090516	"T" extension adapter for cannula tube



WATER TRAPS

Art. Nr.	Description
14112017	Oxygen tubing water trap. Pack of 10
7001	Oxygen tubing water trap with threaded end cap. Pack of 25

ANGLE TRIM FOR AQUAPAK



Art. Nr.	Description
14090526	Angle nozzle 9/16 male thread

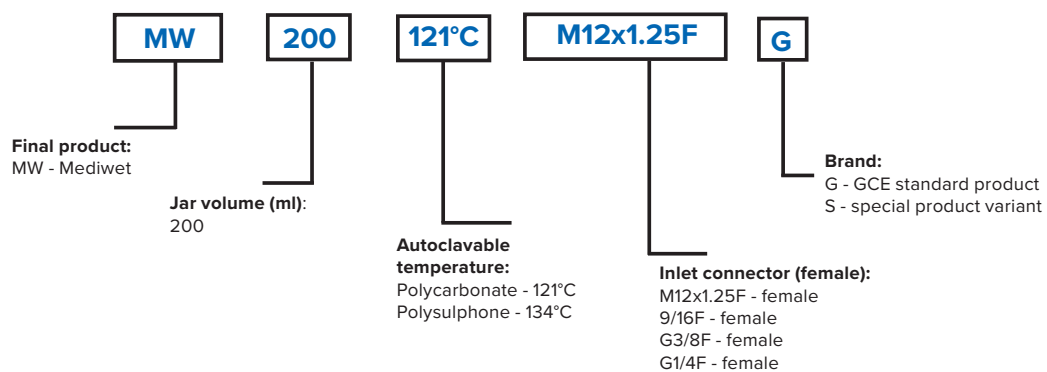
MEDIWET



Art. Nr.	Description	Volume	Connection	Material
K293491	MEDIWET II 200	200 ml	M12x1,25	
K293498	MEDIWET II 200	200 ml	M12x1,25	
K294401	MEDIWET II 200	200 ml	9/16"	
K294402	MEDIWET II 200	200 ml	9/16"	
K294416	MEDIWET II 200	200 ml	G3/8"	Polycarbonate
K294432	MEDIWET II 200	200 ml	G3/8"	Polysulfone
K294435	MEDIWET II 200	200 ml	G1/4"	
K294452	MEDIWET II 200	200 ml	G1/4"	
0727614	MEDIWET II 500	500 ml	9/16"	
0727615	MEDIWET II 500	500 ml	9/16"	

TECHNICAL DATA	
Contents	Only sterile water or boiled cold water
Dimensions	Height 190 x 67 Width (incl hose nipple) x 57Ø mm
Weight	Polysulphone version 115 g
Capacity	200 ml of water
Consumption	6 ml of water per hour at a gas flow of 10 l/min at 20 °C
Material	Jar autoclavable at 134 °C: polysulphone
	Jar autoclavable at 121 °C: polycarbonate
	Lid and outlet hose nipple: polypropylene
	Inlet nut: Chromed brass
	Diffuser: Polyethylene
Outlet connection	Hose, flat gasket: Silicone
	O-ring: EPDM
	Tapered hose nipple for hose 6x9 mm (recommended length 2 m)
Cleaning	Water, non abrasive detergent. N ever use solvents.
Autoclave	Polysulphone version 134 °C for 5 minutes
Special case	Diffuser: exchange at every cleaning - do not sterilise!
Maintenance	Check that the humidifier is whole and air tight before use. Monthly exchange of gaskets is recommended. Exchange the diffuser when its microperforations no longer exist.
Durability	Minimum 20 autoclave cycles under the condition that all instructions accompanying the product are adhered.

DESCRIPTION CODING FOR MEDIWET



HUMIDIFICATION AND FILTRATION

Heat and moisture exchange for the protection of patients, staff and devices from cross contamination.



HUMID VENT 2

Art. Nr.	Description
14112064	Sterile, pack of 20

- > Tidal Volume 150 - 1500 ml
- > Moisture output 28 mg H₂O at V_T 600 ml



HUMID VENT COMPACT

Art. Nr.	Description
14112077	Humid vent compact - Sterile (pack of 25)

- > Compact Design
- > Tidal Volume 150 - 1000 ml
- > Moisture output 30 mg H₂O at V_T 1000 ml



HUMID VENT FILTER PEDI

Art. Nr.	Description
14112055	Humid Vent Pedi - Sterile (pack of 20)

- > Suitable for paediatric patients
- > Compact Design



TRACH VENT

Art. Nr.	Description
14090610	Humid Vent Pedi - Sterile (pack of 20)

- > Sterile
- > Medium Hygroscopic and bacteriostatic microwell paper
- > Suitable for adults and children



TRACH-VENT+

Art. Nr.	Description
14112161	TRACH-VENT+ pack of 50

- > Sterile
- > Medium Hygroscopic and bacteriostatic microwell paper
- > Moisture loss 8.4 mg H₂O/l at V_T 500 ml
- > Moisture Output 29.2 mg H₂O/l at V_T 500 ml



ISO GARD FILTER

Art. Nr.	Description
14090604	ISO GARD filter - Clean (pack of 25)

- > Connectors 22 M/15 F-15 M/22 F
- > Tidal volume 150 - 1000ml
- > Hydrophobic depth filter
- > Resistance to flow: at 60 l/min, 1.6cm H₂O



ISO GARD FILTER (SMALL)

Art. Nr.	Description
14112080	ISO GARD filter Small - Sterile (pack of 25)

- > Connectors 22 M/15 F-15 M
- > Tidal volume 150 - 1000ml
- > Hydrophobic depth filter
- > Resistance to flow: at 60 l/min, 1.9 cm H₂O



ISO-GARD HEPA LIGHT

Art. Nr.	Description
14112089	ISO-GARD HEPA light - Clean pack of 20

- > Hydrophobic depth filter
- > Resistance to flow: 2.8 cm H₂O at 60 l/min

VALVES



MEDICAL COMBI VALVES

MEDIVITAL®

Medivital is a pressure regulator integrated with cylinder valve for fitting to gas cylinders used for medical gases.

15 YEARS LIFE TIME

- > 15 year life time ensured by extended endurance and cycle testing for future market requirements
- > Slow opening shut off valve with new Patented design
- > Latest technology highest shock resistant gauge
- > Flow selector designed for optimal gas flow and patient safety
- > Guard design provides maximum protection for the valve

USER FRIENDLY

- > Suitable for use in Homecare, Emergency and Hospital applications
- > Easy read Flow Selector and Gauge
- > Shut off valve with clear open /closed status colour coded marking
- > Ergonomic guard design allows easy handling of the cylinder package by all users
- > Compact and lightweight design less than 1150 gr
- > Easy clean guard material

HIGHEST SAFETY

- > Testing in accordance with the following standards: EN ISO 10524-3, EN ISO 10297, ASTM G175 Pill test
- > CE marked CE 2460 in accordance with MDD 93/42/EEC and TPED 2010/35/EU
- > Phthalate and Halogenated polymer free components
- > MRI compatible up to Tesla 3
- > For use with medical Oxygen, O₂/N₂O, Air, He/O₂ up to 300 bar working pressure



TECHNICAL DATA

Gas	O ₂ , O ₂ /N ₂ O, Air, He/O ₂
Inlet pressure	Up to 300 bar (4500 psi)
Outlet pressure	3,6 to 5,5 bar - acc. to EN ISO 10524-3 (or per customer specification)
RPV closing	>3 bar
PRV opening and re-closing	>5.5 bar
Flow ranges	0-6, 0-15 and 0-25 lpm
Materials	Metallic parts (gas wetted): brass
	Elastomers: EPDM, silicon, PUR
	Plastics: PA66, PEEK
	Springs (gas wetted): CuBe2, CuSn6
Dimensions (h×w×d)	Height: 153 mm; Width: 112 mm; Depth: 118 mm
Weight*	1150 g
Inlet stem	Tapered or parallel threads (17E, 25E, M18×1,5 per customer specification)
Filling port	ISO 5145 or per customer specification
Regulatory status	Complies with MDD 93/42/EEC
	Complies with TPED 2010/35 EU
	Complies with EN ISO 10524-3
	Complies with EN ISO 10297
	Complies with EN 1789
	Complies with ASTM G175
Classification	IIb
Manufacturer:	GCE s.r.o., Žižkova 381, 583 01 Chotěboř, Czech Republic

* Standard Combivalve (flow control unit 0 - 15 l/min, flow outlet, DIN quick coupling pressure outlet) with guard.
All technical data are given for information only and are subject to modifications by the manufacturer.



*The clever
single touch solution*

MEDIVITOP®

MediVitop® is a pressure regulator integrated with a cylinder valve for use on medical gas cylinders.

15 YEARS LIFE TIME

- > 15 year life time ensured by extended endurance and cycle testing for future market requirements
- > Patented design of shut off valve integrated with flow control knob
- > Latest technology highest shock resistant gauge
- > Flow selector designed for optimal gas flow and patient safety
- > Guard design provides maximum protection for the valve

USER FRIENDLY

- > Suitable for use in Homecare, Emergency and Hospital applications
- > Easy read Flow Selector and Gauge
- > Shut off valve with clear open /closed status colour coded marking
- > Ergonomic guard design allows easy handling of the cylinder package by all users
- > Compact design, weight 1350 g
- > Easy clean guard material

HIGHEST SAFETY

- > Testing in accordance with the following standards: EN ISO 10524-3, EN ISO 10297, ASTM G175 Pill test
- > In accordance with MDD 93/42/EEC and TPED 2010/35/EU
- > Phthalate and Halogenated polymer free components
- > MRI compatible up to Tesla 3
- > For use with medical Oxygen, O₂/N₂O and Air up to 300 bar working pressure

TECHNICAL DATA

Gas	O ₂ , O ₂ /N ₂ O, Air
Inlet pressure	Up to 300 bar (4500 psi)
Outlet pressure	3,6 to 5,5 bar - acc. to EN ISO 10524-3 (or per customer specification)
RPV closing	>3 bar
PRV opening and re-closing	>5.5 bar
Flow ranges	0-15 and 0-25 lpm
Materials	Metallic parts (gas wetted): brass
	Elastomers: EPDM, silicon, PUR
	Plastics: PA66, PEEK
	Springs (gas wetted): CuBe2, CuSn6
Dimensions (h×w×d)	Height: 175 mm; Width: 141 mm; Depth: 123 mm
Weight*	1350 g
Inlet stem	Tapered or parallel threads (17E, 25E, M18×1,5 or per customer specification)
Filling port	ISO 5145, or per customer specification
Regulatory status	Complies with MDD 93/42/EEC
	Complies with TPED 2010/35/EU
	Complies with EN ISO 10524-3
	Complies with EN ISO 10297
	Complies with EN 1789
	Complies with ASTM G175
	Production in accordance with EN ISO 9001 and EN ISO 13485
Classification	IIb
Manufacturer:	GCE s.r.o., Žižkova 381, 583 01 Chotěboř, Czech Republic

* Standard Combivalue (flow control unit 0 - 15 l/min, flow outlet, DIN quick coupling pressure outlet) with guard.
All technical data are given for information only and are subject to modifications by the manufacturer.

RELATED PRODUCTS

Art. Nr.	Description
0727421	Bed hanger (10 pcs)
0727427	Bed hanger with black plastic sleeves (10 pcs)
0727418	Humidifier holder 9/16 (10 pcs)
14112760	Connecting hose for humidifier holder 40 cm (1 pce)
0727422	Valving tool (1 pce)
on request	Filling adaptor



Bed hanger



Bed hanger - plastic



Humidifier holder



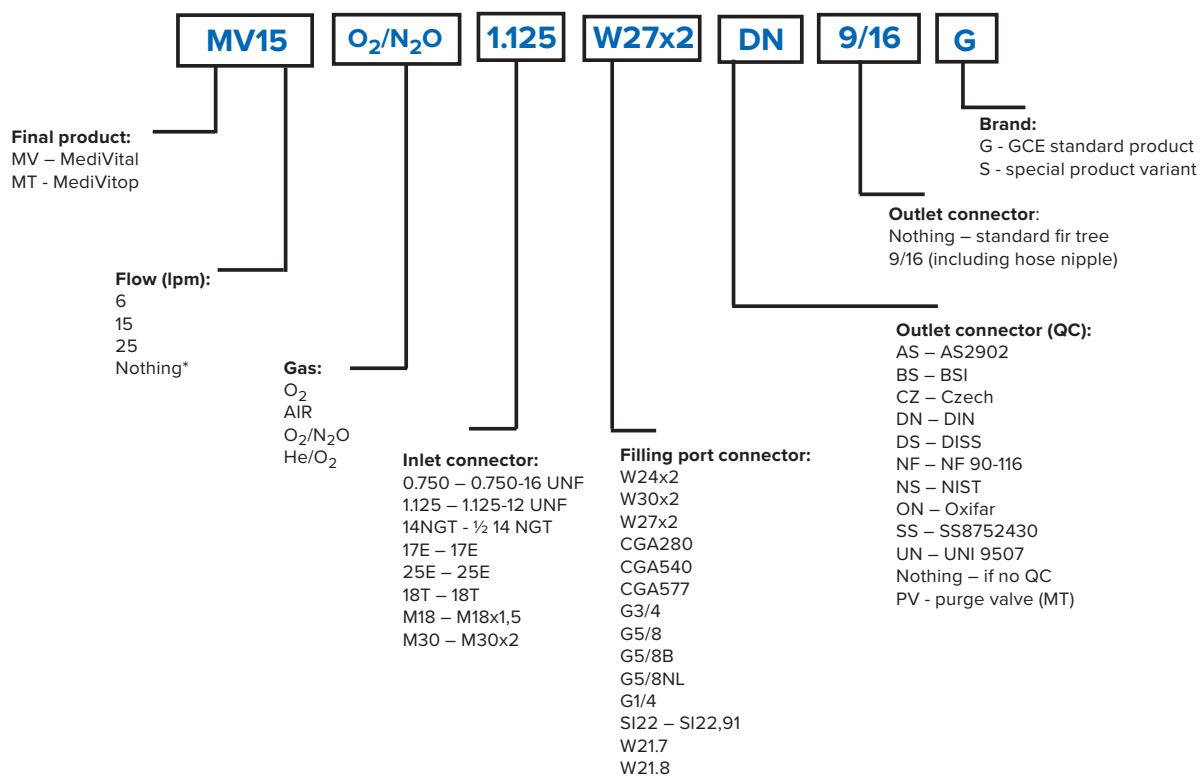
Connecting hose



Valving tool



Filling adaptor



MEDICAL CYLINDER VALVES



FEATURES / ADVANTAGES / BENEFITS

- > Available in all of common inlet and outlet connections
- > For all medical gases
- > Handwheels in different colours and materials
- > Handwheel caps with customer logo
- > Optional RPD for most of valves
- > Variants with burst disc or dip tube

TECHNICAL DATA		
Gas	O ₂ , Air, N ₂ , Ar, CO ₂ , N ₂ O, He and others	
Inlet pressure	Up to 300 bar (4500 psi)	
RPV closing	> 2 bar	
Inlet connection	Tapered or parallel threads (17E, 25E, M18x1,5 or per customer specification)	
Outlet connection	According to national standards	
Materials	Chrome plated brass (cylinder valves), Nickle plated brass (pin-index valves)	
Burst disc	190, 216, 250, 300 bar, for CO ₂ and N ₂ O, other gases optional	
Operating temperature	-20°C to +65°C	
Storage and transport temperature	-40°C to +65°C	
Regulatory status	Complies with MDD 93/42/EEC	TPED 2010/35 EU
	EN ISO 10297	EN ISO 15996
	Production in accordance with EN ISO 9001 and EN ISO 13485	
Classification	IIb	



SMALL MEDICAL VALVES (SMV)

- > Inlet pressure: up to 200 bar
- > Inlet connection: 17E, M18x1.5
- > Ergonomic hand wheel

OPTIONS

- > Residual pressure device (RPD)
- > Burst disc
- > Dip tube
- > Hand wheel in different colours
- > Customer logo on the hand wheel cap



PIN INDEX VALVES

- > Inlet pressure: up to 200 bar
- > Inlet connection: 17E, 25E, M18x1.5, 3/4" UNF

OPTIONS

- > Residual pressure device (RPD)
- > Burst disc
- > Dip tube

THE NEW GENERATION OF MEDICAL CYLINDER VALVES

- > Inlet pressure: up to 300 bar
- > Inlet connection: 17E, 25E, 3/4"NGT, 3/4" UNF, M18x1.5 or per customer specification

OPTIONS

- > Residual pressure device (RPD)
- > Burst disc
- > Dip tube
- > Hand wheel plastic or aluminium
- > Hand wheel with space for RF chip
- > Customer logo on the hand wheel cap



Standard Valve

In-line Residual

Pressure Valve

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

REGIONAL OFFICES

EUROPE

CZECH REPUBLIC
FRANCE
GERMANY
HUNGARY
ITALY
POLAND
PORTUGAL
ROMANIA
SPAIN
SWEDEN
UNITED KINGDOM & IRELAND

AMERICA

LATIN AMERICA
MEXICO
USA

ASIA

CHINA
INDIA
RUSSIA



visit: www.gcehealthcare.com