



## CYLINDER VALVE WITH INTEGRATED PRESSURE REGULATOR FOR USE WITH MEDICAL GASES

# MEDIVITAL®

### 15 YEARS LIFE TIME

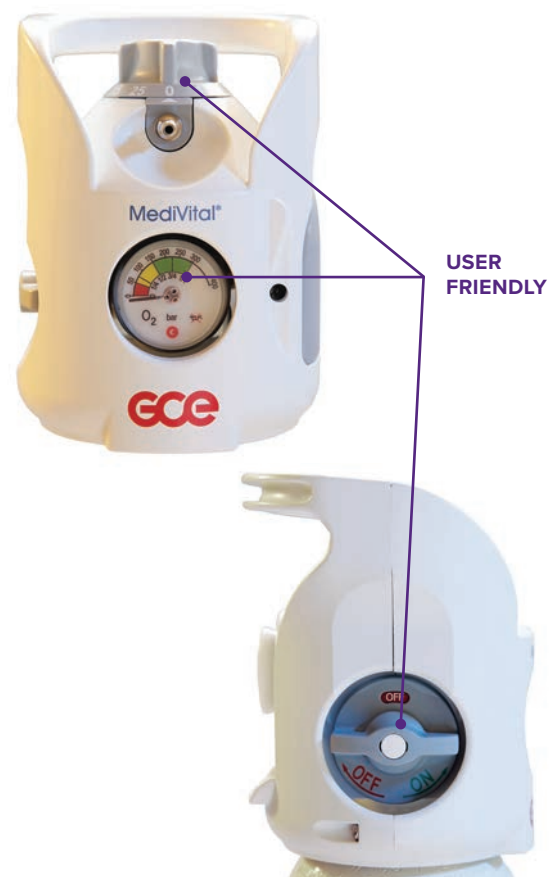
- 15 year life time ensured by extended endurance and cycle testing for future market requirements
- Slow opening shut off valve with new Patented design
- Latest technology highest shock resistant gauge
- Flow selector designed for optimal gas flow and patient safety
- Guard design provides maximum 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, O<sub>2</sub>/N<sub>2</sub>O, Air, He/O<sub>2</sub> up to 300 bar working pressure



# FEATURES AND RELATED PRODUCTS

## STANDARD FEATURES

- Flow control unit
- Flow outlet ports (fir tree or threaded)
- Pressure outlet (quick coupler)
- Active cylinder pressure indicator
- Filling port with non-return valve
- Shut-off valve
- External pressure relief valve
- Residual pressure valve
- Excess flow device for small cylinder connections
- Dust tube for big cylinder connections
- Protective valve guard

## OPTIONAL FEATURES

- Safety burst disc
- Teflon taped cylinder connection

## RELATED PRODUCTS

- Filling adaptor
- Bed hanger
- Valving tool
- Humidifier holder



Bed Hanger



Valving tool



Humidifier Holder

# BENEFITS FOR END USERS

## PRESSURE INDICATOR

- Good visibility of values/status
- Wide dial angle improving readability
- 40 mm diameter
- Fluorescent scale face



## SHUT OFF VALVE (SOV)

- Clear visibility of open/close status – colour indication
- Good visibility of open/close direction
- Space for RF chip inside the hand wheel



## EASY USE FLOW SELECTOR

- Excellent view of all selected flows
- Large clear 4,5 mm digits
- Optimized ergonomics of hand wheel
- Increased flow in between settings (min 50% of lower value)
- Fixed arrow for flow indication on the front of the valve
- Increased clearance around hose nipple, enables easy connection/disconnection of cannula/mask
- Facility for RF chip inside the flow control knob



## PRESSURE OUTLET (QC)

- Completely enclosed & protected by the guard
- Open/close push system with wide plastic grips for easy operation, for all main types
- Improved design for primary types



# BENEFITS FOR DISTRIBUTORS

## FILLING PORT

- Complete enclosure of the filling port
- Cover connected to the guard
- Opening of cover only with a tool
- Universal sealing for various designs of filling port



## GUARD

- Protects the complete valve (hose nipple, QC, SOV)
- Integrated filling port cover
- Easy cleaning
- Ergonomic designed handle
- Valving capability without guard removal
- Fits to all types of cylinders up to max.package weight of 30 kg



## NEW MARKING (LASER)

- On the valve rear
- Easily visible through the guard

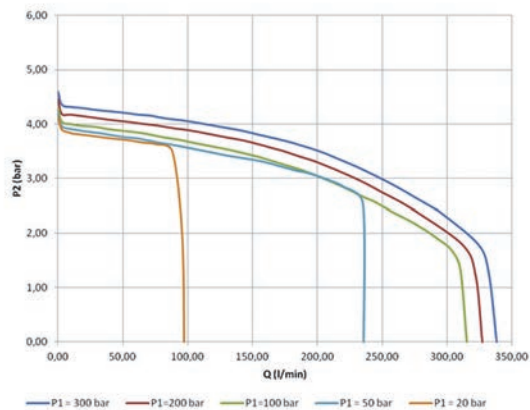


## TECHNICAL DATA

Gas:	O <sub>2</sub> , O <sub>2</sub> /N <sub>2</sub> O, Air, He/O <sub>2</sub>
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:	Height: 153 mm; Width: 112 mm; Depth: 118 mm
Weight:*	1150 g
Inlet stem:	Tapered or parallel threads (17E, 25E, M18x1,5 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
	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 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.

## FLOW CURVE



## 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

# REGIONAL OFFICES

## EUROPE

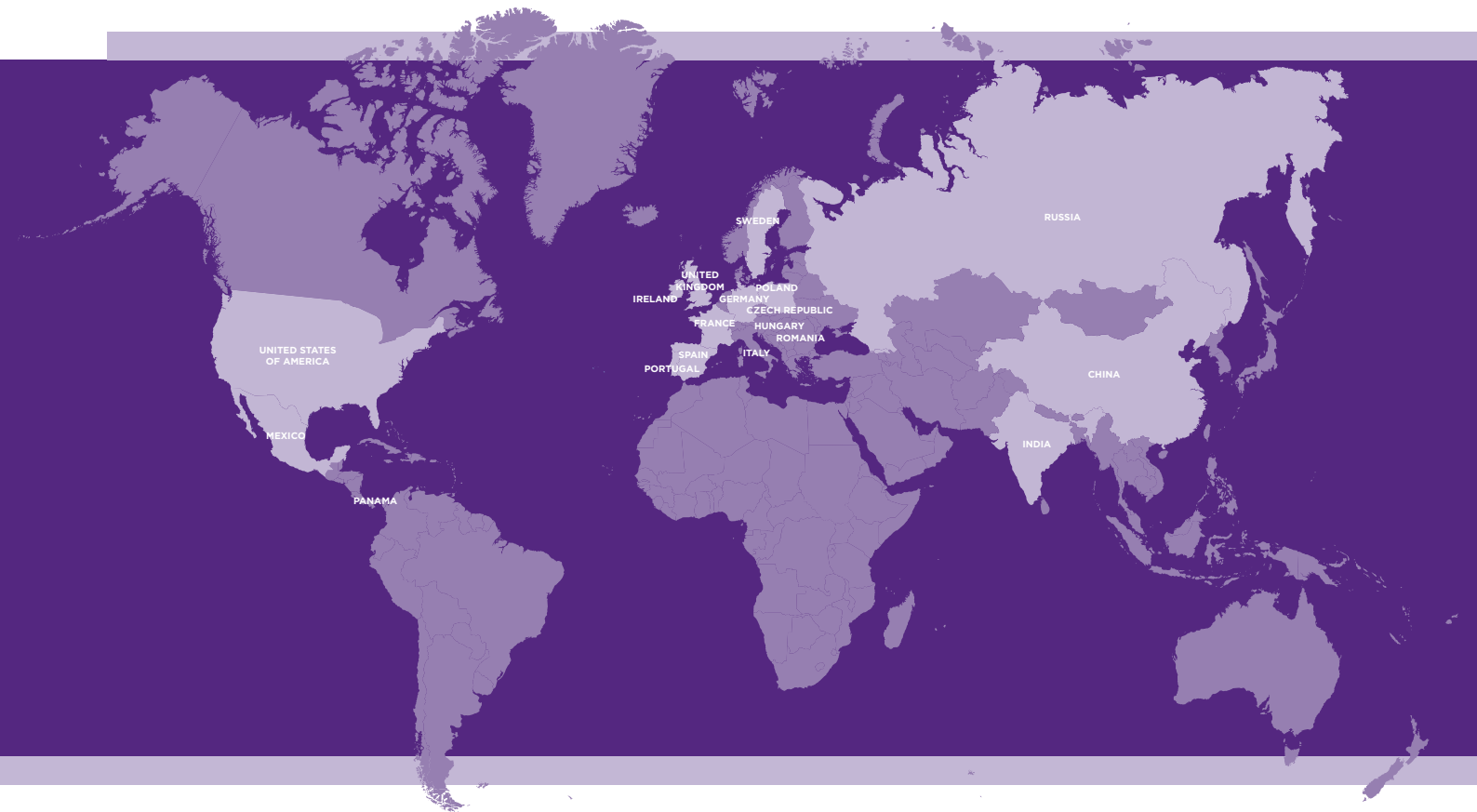
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