



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, ISO10524-3 ASTM G175 Pill test
- ISO 10297
- CE marked CE 2460 in accordance with the Medical directive 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, Air and O₂/N₂O mixed gases up to 300 bar working pressure



USER
FRIENDLY



FEATURES AND ACCESSORIES

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
- Customized electronic gauge option

ACCESSORIES

- 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

- 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

- 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



NEW MARKING (LASER)

- On the valve rear
- Easily visible through the guard



GUARD

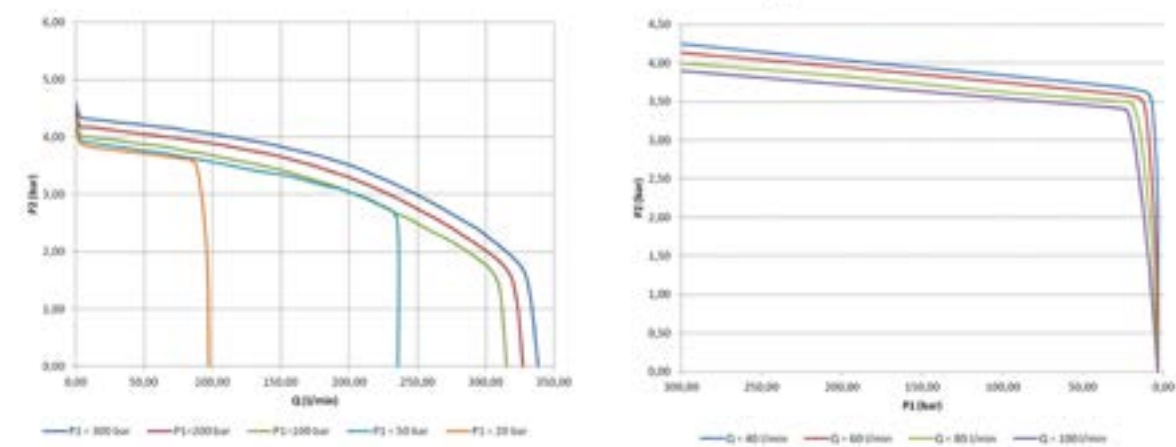
- Protects the complete valve (hose nipple, QC, SOV)
- Integrated filling port cover
- Easy cleaning
- Ergonomic designed handle
- Valving capability without guard removal
- Fits to all types of cylinders up to max.package weight of 30 kg



TECHNICAL DATA

Gas:	O ₂ , Air, O ₂ /N ₂ O and other medical mixed gases
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 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.



ACCESSORIES

Art. Nr.	Description
0727421	Bed hanger (10pcs)
0727427	Bed hanger with black plastic sleeves (10 pcs)
0727418	Humidifier holder 9/16 (10pcs)
9442820	Connecting hose for humidifier holder 40 cm (10 pcs)
0727422	Valving tool (1pce)
on request	Filling adaptor



REGIONAL OFFICES

EUROPE

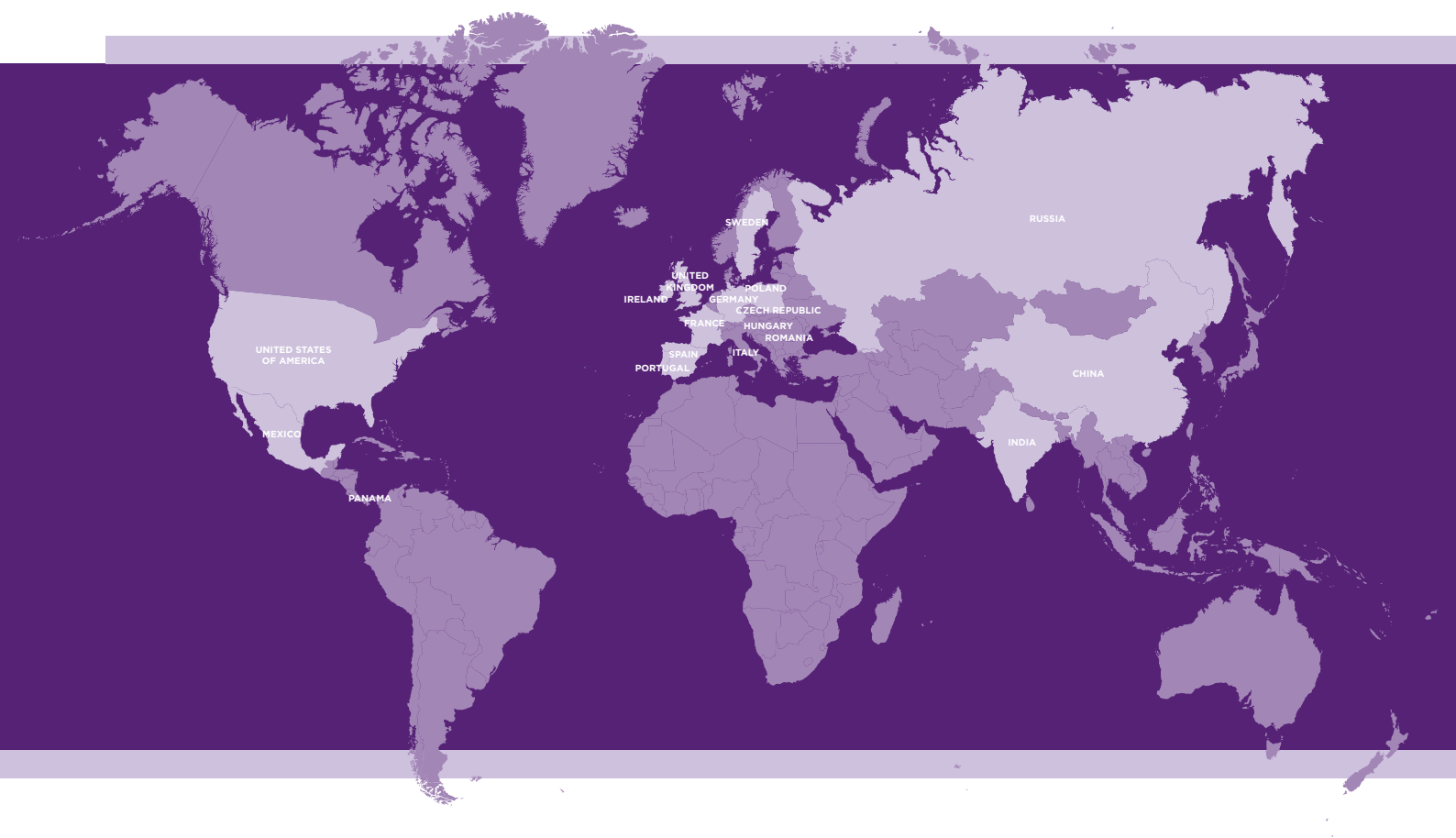
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