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, ASTM G175 Pill test, EN ISO 10297
- 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, Air and O₂/N₂O mixed gases up to 300 bar working pressure
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

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

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 END USERS

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

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

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

ACCESSORIES
- Filling adaptor
- Bed hanger
- Valving tool
- Humidifier holder
TECHNICAL DATA

Gas: O₂, Air, O₂/N₂/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, 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
- 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

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