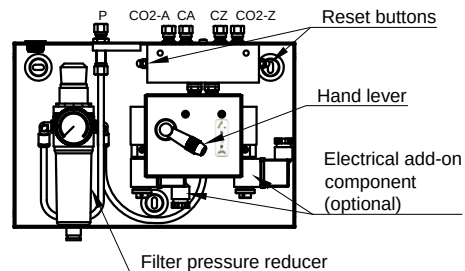
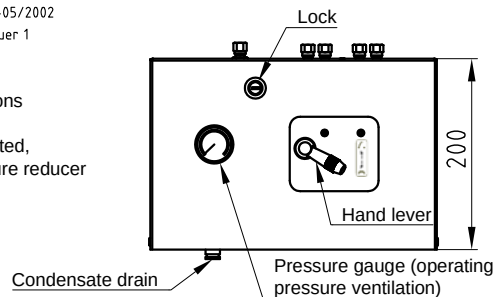
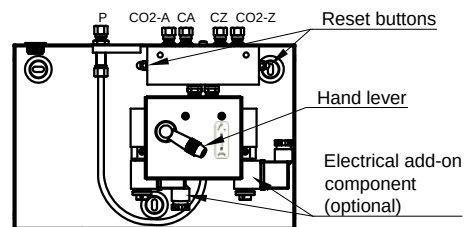
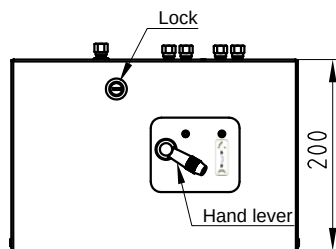


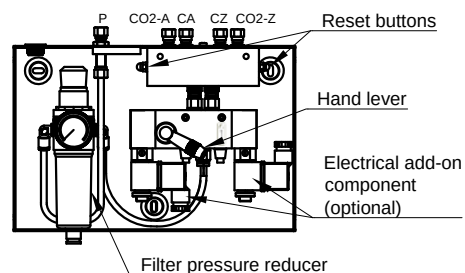
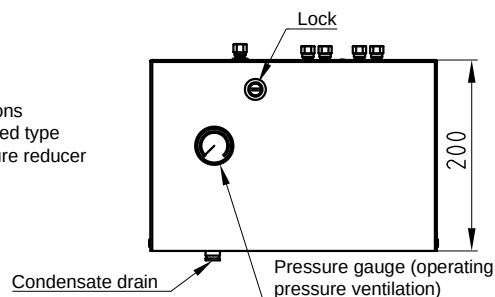
PLZ 30.1.1-options  
Standard type,  
externally operated,  
with filter pressure reducer



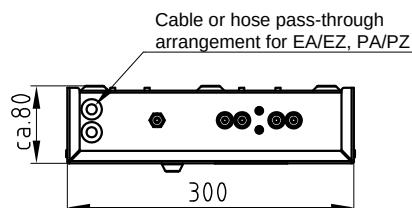
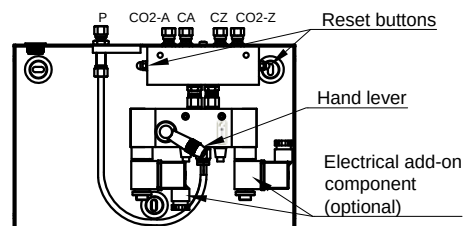
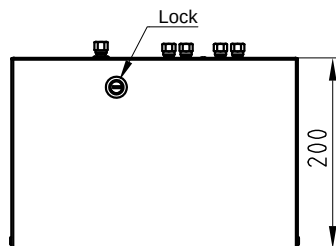
PLZ 30.1.1-OFR-options  
Externally operated type  
without filter pressure reducer



PLZ 31.1.1-options  
Internally operated type  
with filter pressure reducer



PLZ 31.1.1-OFR-options  
Internally operated type  
without filter pressure reducer



Diese Zeichnung ist Eigentum der  
Fa. Grasl GmbH A-3454 Reidling, Europastra  1  
Die Weiterverwendung oder Vervielf lti-  
gung ohne unser schriftliches Einver-  
st ndnis ist verboten!

## Assembly:

For assembly, be sure condensate drain shows downward.

## Connections:

P ..... Compressed air available at the assembly site  
CA ..... Cylinder OPEN  
CZ ..... Cylinder CLOSE  
CO2-A ..... CO2 inlet port OPEN  
CO2-Z ..... CO2 inlet port CLOSE

## Description of function:

### 1) Ventilation function:

Ventilation is ensured by use of the hand lever.

With add-on components for OPEN and/ or CLOSE is also an electrical or pneumatic remote control possible (see options).

### 2) Alarm function:

Inlet prot CO2-A, when controlled e.g. by a CO2 alarm box, will be connected with outlet prot CA, and outlet prot CZ will exhaust.

Inlet prot CO2-Z, when controlled e.g. by a CO2 alarm box, will be connected with outlet prot CZ, and outlet prot CA will exhaust.

Ventilation function is deactivated.

### 3) Reset after release of alarm:

Fully press in reset buttons (cap screw and wascher will protrude).

Only then teh ventilation function will be active again.

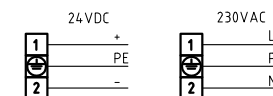
## Specifications:

|                              |               |
|------------------------------|---------------|
| max. operating pressure      | 10 bar        |
| for use in temperature range | -20°C - +60°C |
| pipe connections             |  6/4          |

## Options:

|        |                                      |
|--------|--------------------------------------|
| EZ230  | Electrical CLOSE 230V                |
| EZ24   | Electrical CLOSE 24VDC               |
| EZS230 | Electrical CLOSE 230V (deenergized)  |
| EZS24  | Electrical CLOSE 24VDC (deenergized) |
| EZV230 | Electrical PRIORITY CLOSE 230V       |
| EZV24  | Electrical PRIORITY CLOSE 24VDC      |
| EA230  | Electrical OPEN 230V                 |
| EA24   | Electrical OPEN 24VDC                |
| EAV230 | Electrical PRIORITY OPEN 230V        |
| EAV24  | Electrical PRIORITY OPEN 24VDC       |
| PA     | Pneumatic OPEN                       |
| PZ     | Pneumatic CLOSE                      |
| PAV    | Pneumatic PRIORITY OPEN              |
| PZV    | Pneumatic PRIORITY CLOSE             |
|  8     | All pipe connections for  8mm        |
| OFR    | Without filter pressure reduce       |

## Circuit diagram solenoid:



|                              |     |
|------------------------------|-----|
| Power input - attracting -DC | -   |
| Power input - attracting -AC | 9VA |
| Power input - holding - DC   | 5W  |
| Power input - holding - AC   | 6VA |

## Ordering code:

PLZ xx.x.x - Optionen

## Ordering example:

PLZ 30.1.1 - EA230 - EZ230

|                                                                       |                    |       |            |                                   |            |              |                    |                                                                                                     |       |
|-----------------------------------------------------------------------|--------------------|-------|------------|-----------------------------------|------------|--------------|--------------------|-----------------------------------------------------------------------------------------------------|-------|
| GRASL<br>Pneumatic-Mechanik GmbH<br>A-3454 Reidling<br>Europastraße 1 |                    |       |            | Freimaßtoleranz<br>nach DIN 7168: |            | Maßstab: 1:1 |                    | Werkstoff:                                                                                          |       |
|                                                                       |                    |       |            |                                   |            | ID - Nr.:    |                    |                                                                                                     |       |
|                                                                       |                    |       |            |                                   | Datum      | Name         |                    | Bezeichnung:<br><br><b>Data sheet</b><br>Pneumatic ventilation control centre<br>PLZ 3x.1.1-options |       |
|                                                                       |                    |       |            | Bear.:                            | 22.01.2009 | Tiefenbacher |                    |                                                                                                     |       |
|                                                                       |                    |       |            | Gepr.:                            | 27.01.2010 | ER           |                    |                                                                                                     |       |
|                                                                       |                    |       |            | Norm                              |            |              |                    |                                                                                                     |       |
|                                                                       |                    |       |            |                                   |            |              |                    |                                                                                                     |       |
|                                                                       |                    |       |            | Type:                             |            |              | Zeichnung Nr.:     |                                                                                                     | Blatt |
|                                                                       |                    |       |            | PLZ                               |            |              | 06.002.DAT.01.01-E |                                                                                                     |       |
| 01                                                                    | Diverse Änderungen |       | 22.12.2009 | SA                                |            |              |                    |                                                                                                     |       |
| Zus.                                                                  | Änderung           | Datum | Name       | (Urspr.)                          | (Ers.f.)   |              | 06.002.DAT.01.00   | (Ers.d.)                                                                                            | BL.   |