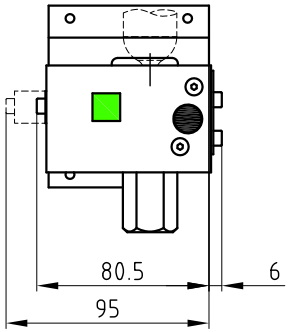
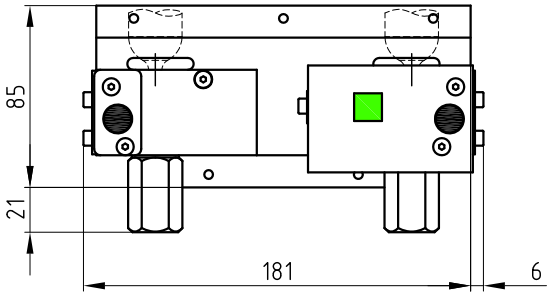
RTC x.y-HA:



RTC x.y-HA-HZ:



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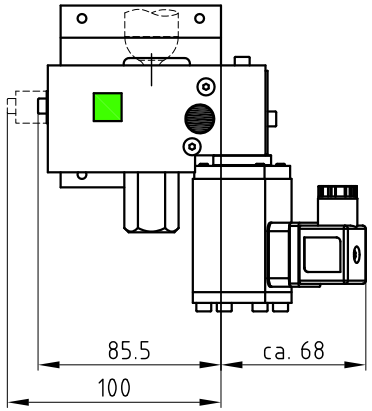

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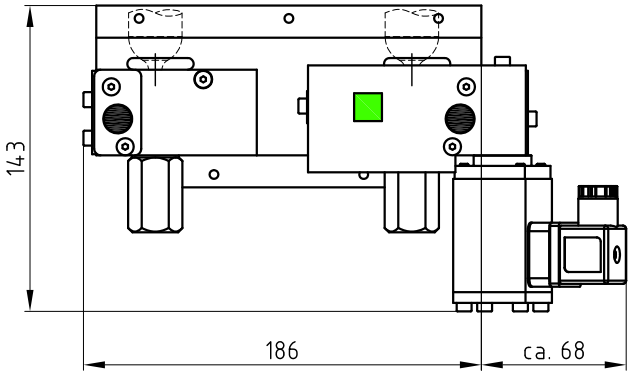

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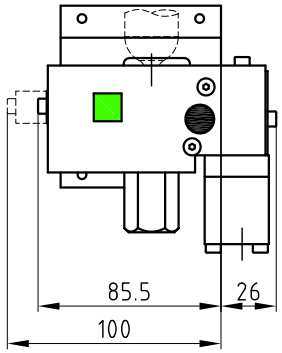
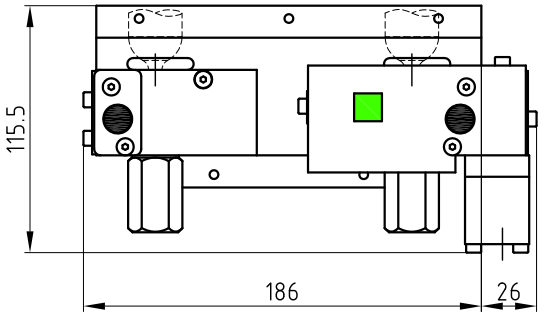
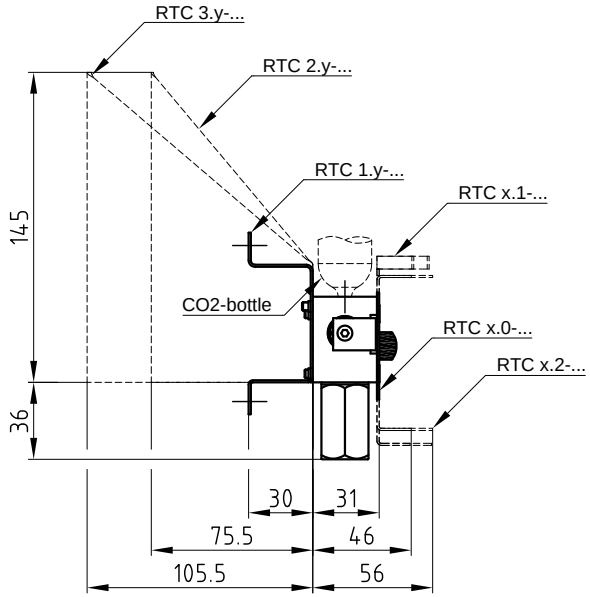


RTC x.y-HPA-HZ:



RTC x.y-...:

x ... version mounting angle
y ... version front plate/glass sheet
(variants see ordering designation)



Description of function:

The release valve RTC is a valve which taps a CO2 bottle by pushing the release button, or control of the electromagnet, or the pneumatic release, and so the CO2 can flow to the outlet CA (G1/8").

Releasing:

1) Manual releasing: Deeply press black button.
2) Electric releasing via the electromagnet. (only at HEA and HEA-HZ).
3) Pnematic releasing: Applying the minimum release pressure on PA. (only at HPA and HPA-HZ).

Technical data:

max. operating pressure	80bar
min. control pressure by PA	6bar
nominal width of valve	4mm
nominal width of piercing needle	2mm
rated voltage electromagnet	24VDC
rated current electromagnet	0,29ADC
duty cycle electromagnet	100%
ambient temperature range	-5°C - +55°C
VdS approval no. (no approval for HPA and HPA-HZ)	G507003

Tolerance Scale 1:2.5 Material

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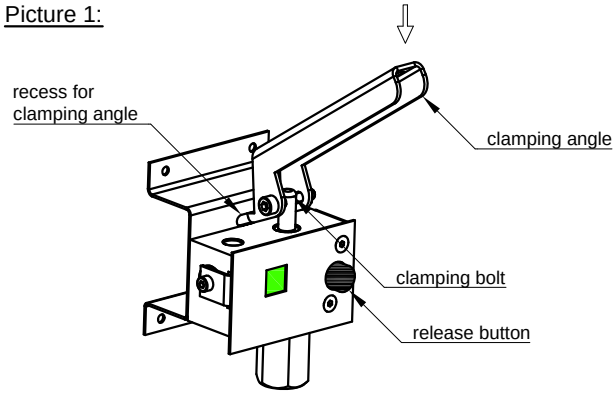
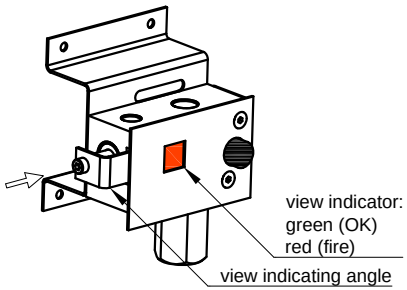
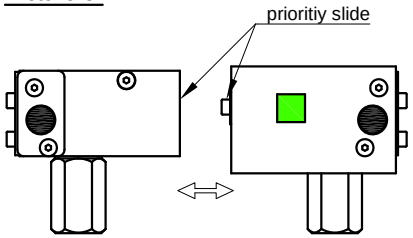
Picture 1:



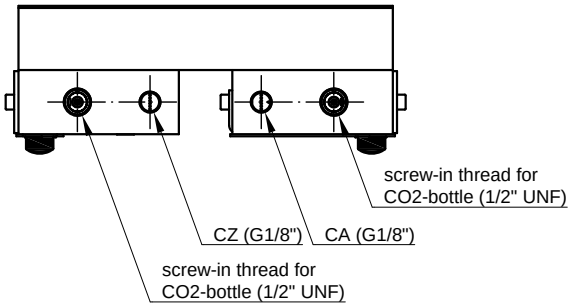
Picture 2:



Picture 3:

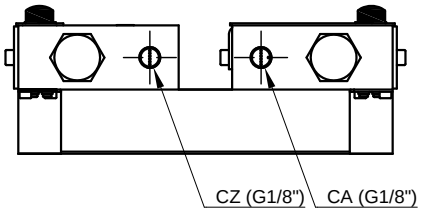


Standard connections:

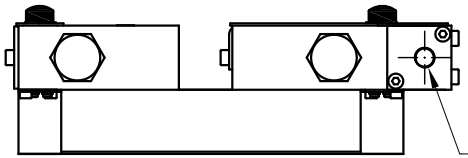


Option S1:

additional connections at the underside of valve



Connection HPA/HPA-HZ:



Connections:

CA ... cylinder OPEN
CZ ... cylinder CLOSE
PA ... pneumatic remote control

Connecting diagramm electromagnet:

Commissioning the OPEN-release:

1) Hook clamping angle into the recess provided (see picture 1).
2) Place clamping bolt onto the piercing bolt in the valve.
3) Press clamping angle down fully until the piercing bolt engages.
4) Check if the piercing needle is located behind the piercing surface of the bottle screw-in thread!
5) Lightly grease O-Ring in the bottle screw-in thread.
6) Check position of the view indicator. View indicator must be on green, if not, press view indicator angle to the valve until view indicator is green (see picture 2)!
7) Screw in new CO2 bottle.
8) Following releasing, remove empty CO2 bottle (Caution: Residual pressure may be present) and repeat the procress.

Commissioning the close-release:

1) Carry out Points 1-5 of the commissioning of the OPEN release accordingly.
2) Check position of the priority slide. Both slides must be in the basic position! (see picture 3)
3) Screw in new CO2 bottle and close box.
4) Following a releasing, remove empty CO2 bottle. (Caution: Residual pressure may be present) and repeat operation.

Installation:

- When using CO2 one-way bottles, mount the valve as per drawing (bottle screwed in from the top)
- We recommend using CO2 bottles according to Drawing No.: 03.023.01.x and point out that the VdS recognition is only valid with these bottles.
- CAUTION: No dismounting of the valve from the mounting bracket.

Ordering desigantion:

RTC x.y - aaa - bb - R - S1

- S1: option S1: additional connection thread
- R: option R: bracket for spare bottle
- aaa:
  - HA ... manual OPEN
  - HEA ... manual electric OPEN
  - HPA ... manual pneumatic OPEN
  - HA-HZ ... manual OPEN - manual CLOSE
  - HEA-HZ ... manual electric OPEN - manual CLOSE
  - HPA-HZ ... manual pneumatic OPEN - manual CLOSE
- x.y:
  - 0 ... front plate
  - 1 ... glass sheet for bottle until 750g
  - 2 ... glass sheet for bottle until 1500g
- bb:
  - 1 ... mounting angle without spare bottle attachement
  - 2 ... mounting angle for spare bottle until 750g
  - 3 ... mounting angle for spare bottle until 1500g

Tolerance | Scale 1:2.5 | Material

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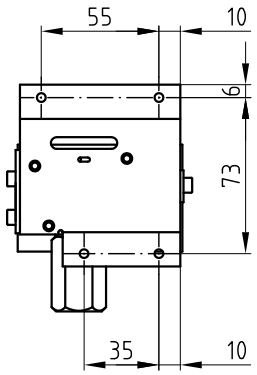
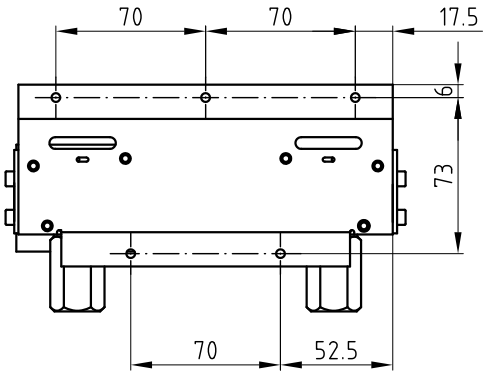
Approved: HA	Issue Date: 18.06.2015			Document State: Valid
Grasl Pneumatic Mechanik Gmbh QM FO 05.24.0				Document Number: 04.011.DAT.35.02-E

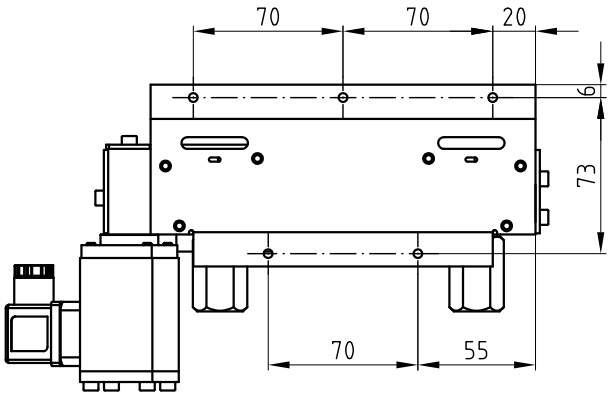
RTC 1.y-HA/HEA/HPA:



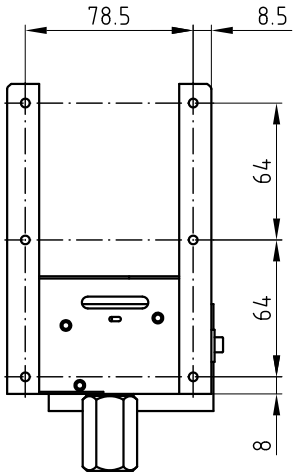
RTC 1.y-HA-HZ:



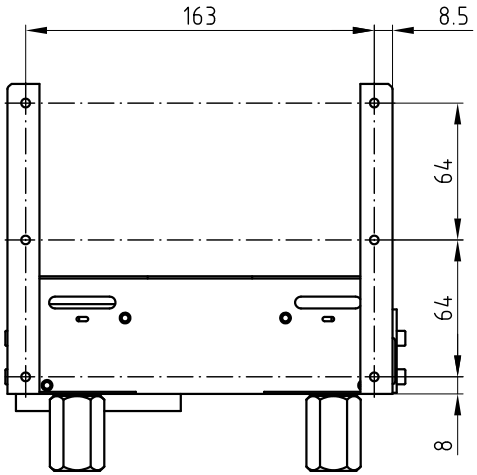
RTC 1.y-HEA/HPA-HZ:



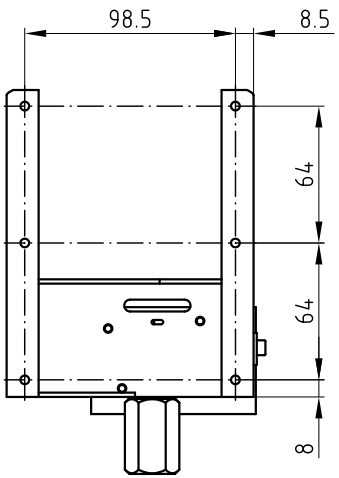
RTC 2.y-HA/HEA/HPA:



RTC 2.y-HA/HEA/HPA-HZ:



RTC 3.y-HA/HEA/HPA:



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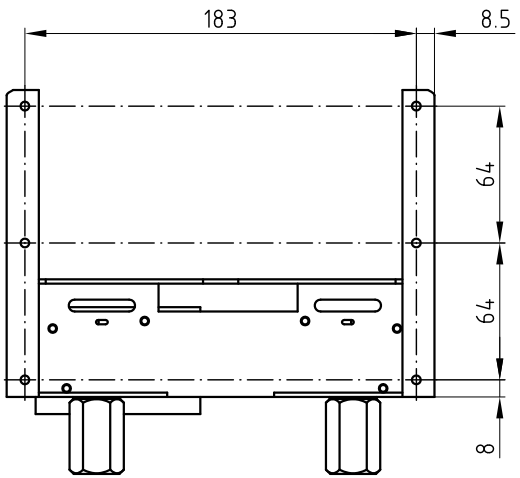
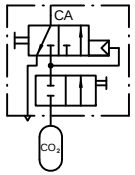
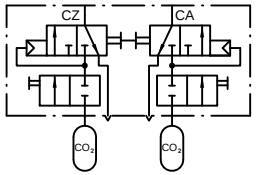


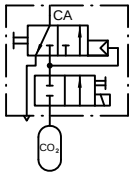
Circuit diagramm HA:



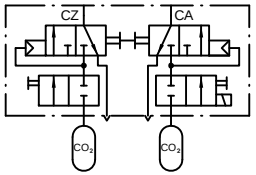
Circuit diagramm HA-HZ:



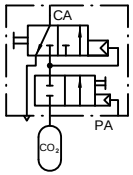
Circuit diagramm HEA:



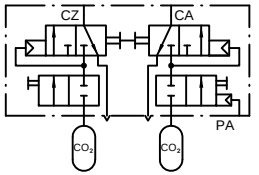
Circuit diagramm HEA-HZ:



Circuit diagramm HPA:



Circuit diagramm HPA-HZ:



Tolerance Scale 1:2.5 Material

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