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:
2) Electric releasing via the electromagnet. (only at HEA and HEA-HZ).
3) Pneumatic 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
Connections:
- CA ... cylinder OPEN
- CZ ... cylinder CLOSE
- PA ... pneumatic remote control

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) 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)!
6) Screw in new CO2 bottle.
7) Following releasing, remove empty CO2 bottle (Caution: Residual pressure may be present) and repeat the process.

Commissioning the close-release:
1) Carry out Points 1-4 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-multi-trip bottles (without ascending-tube) CO2 one-way bottles, mount the valve as per drawing (bottle screwed in from the top)
- CAUTION: No dismounting of the valve from the mounting bracket.

Ordering designation:
RTC x.y - aaa - bb - M18x1,5 - R - S1
- option S1: additional connection thread
- option R: bracket for spare bottle
- multi-trip bottle with screw-in thread M18x1,5
- 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
- 0 ... front plate
- 1 ... glass sheet for bottle until 750g
- 2 ... glass sheet for bottle until 1500g
- 1 ... mounting angle without spare bottle attachment
- 2 ... mounting angle for spare bottle until 750g
- 3 ... mounting angle for spare bottle until 1500g