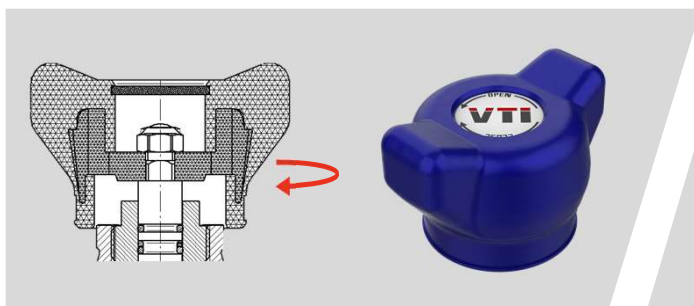


Handwheels for protection against unintentional closing

In a rescue mission it might happen that a fireman has to go through narrow spaces e.g. in a building and eventually he has to walk close along a wall. By that means the handwheel could close off the respiratory flow unintentionally. The following VTI handwheel options optimally protect against unintentional closing:

K17-2.11.175-Sx
double winged handwheel



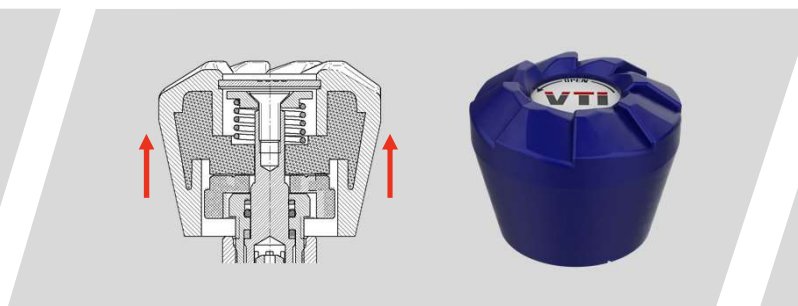
protection through:
contour/geometry (even in different inclinations)

mode of operation:

- to open, turn handwheel counter-clockwise
 - to close, turn handwheel clockwise (3-4 Nm)
- no additional handling/operation necessary

suitable for:
AIRcontrol valve series K44 and K632-3x

K17-2.11.146-Sx / K17-2.11.179-Sx
ratchet handwheel type „Lift-To-Close“



protection through:
ratchet mechanism (only allows movement in ONE direction while preventing motion in the other direction)

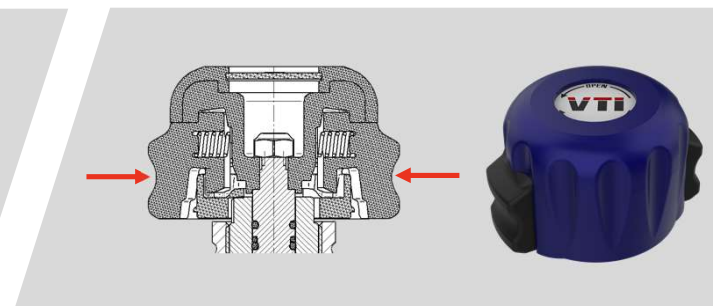
mode of operation:

- to open, turn handwheel counter-clockwise
- to close, lift handwheel and then turn clockwise (3-4 Nm). The lifting suspends the ratchet mechanism (only for the period of lifting)

suitable for:
(upper spindle with female thread)

- K17-2.11.146-Sx: AIRcontrol valve series K44 and K632-3x
- K17-2.11.179-Sx: AIRcontrol valve series K632-4x, K632-6x, K632-9x

K17-2.11.201-Sx
ratchet handwheel type „Push-Button“



protection through:
ratchet mechanism (only allows movement in ONE direction while preventing motion in the other direction)

mode of operation:

- to open, turn handwheel counter-clockwise
- to close, keep BOTH buttons pressed and turn handwheel clockwise (only pushing ONE button will NOT suspend the ratchet mechanism)

suitable for:
alle AIRcontrol valve series