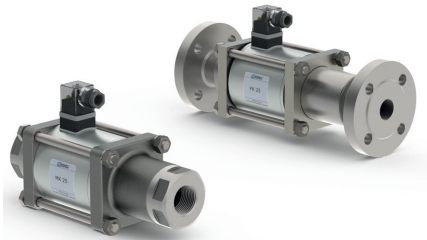
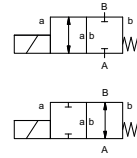


coaxial valve

type **MK 25**
FK 25



2/2 way valve **direct acting**
pressure range PN 0-100 bar
orifice DN 25 mm
connection thread/flange
function valve normally closed symbol **NC**
 valve normally open symbol **NO**



△ Above stated body materials refer to the valve port connections that get in contact with the media only!

design pressure balanced, with spring return
body materials ① brass ② steel galvanized
 ③ brass, nickel plated ⑤ without non-ferr. Metals
 ④ steel, nickel plated ⑥ stainless steel
 ⑦ aluminium
valve seat seal materials synthetic resin on metal PTFE, FPM, CR, EPDM

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

ports MK threads G 1 - G 1 1/2
 FK flanges PN 16 / 40 / 100
function NC
pressure range bar 0-16 / 0-40 / 0-64 / 0-100
Kv value m³/h 11,2
vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹
pressure-vacuum P₁ ⇔ P₂ upon request
back pressure P₂ > P₁ available (max. 16 bar)
media gaseous - liquid - highly viscous - gelatinous - contaminated
abrasive media upon request
damping opening closing available
flow direction A ⇔ B as marked
switching cycles 1/min 130
switching time ms opening 130 closing 130
media temperature °C DC: -20 to +100 -40 to +160
 AC: -20 to +100 -40 to +160
ambient temperature °C DC: -20 to +80
 AC: -20 to +80
limit switches inductive / mech. (depend on temperature)
manual override available
approvals LR/GL/WAZ
mounting mounting brackets
weight kg MK 8,0 FK 10,5
additional equipment upon request

options

electrical specifications

nominal voltage U_n DC 24 V special voltage upon request
 U_n AC 230 V 40-60 Hz special voltage upon request
actuation DC direct-current magnet
 AC direct-current magnet with integrated rectifier above 100 °C with separate rectifier
insulating rating H 180°C
 IP65
energized duty rating ED 100%
connection plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm terminal box M16x1,5
optional additional equipment M12x1 connector acc. DESINA connector acc. VDMA
 illuminated plug with varistor
current consumption N-coil DC 24 V 2,66 A
 AC 230 V 40-60 Hz 0,36 A
 H-coil DC 24 V 2,66 A
 AC 230 V 40-60 Hz 0,36 A
explosion proof
limit switches inductive (I) normally open-PNP
 inductive (B) normally open-PNP
 mechanical single pole double throw-SPDT

options

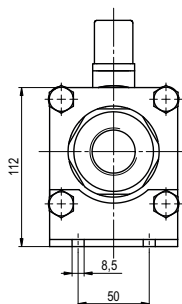
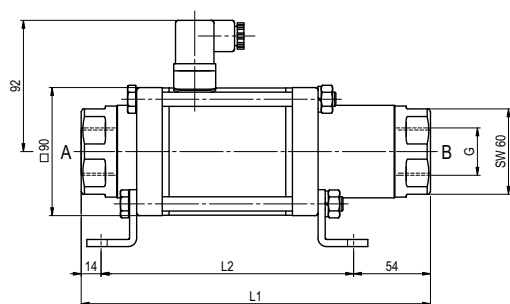
△ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

△ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

■ specifications not highlighted are standard
 ■ specifications highlighted in grey are optional

type MK 25

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	246	178	302
with inductive limit switches	287	219	343
with manual override / inductive limit switches	299	231	355
with mechanical limit switches	287	219	343

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14
100	EN 1092-1	140	100	18

type FK 25

function: **NO**
open when not energized

