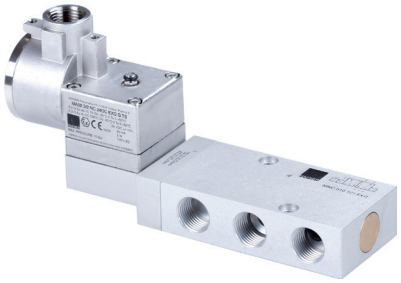
ATEX-approved valves – Ex d – standard temperature range – aluminum



Material:	Aluminum, anodized
Zone:	1, 2, 21, 22
Temperature range:	-10°C ... +50°C
Ignition protection type:	Ex d – flameproof
Temperature class:	T6 (solenoid)
Marking on valve	CE Ex II 2 G Ex h IIC T6 Gb -10°C ≤ Ta ≤ +50°C
	CE Ex II 2 D Ex h IIIC T80°C Db -10°C ≤ Ta ≤ +50°C

The following **solenoid valves** are available:

Type	Function	Port size	Installation	Further inform. on valve
MH 311 017 24DC Ex d M	3/2-way, direct acting	G 1/8"	banjo screw G 1/4"	2.15.4.1
MH 311 018 24DC Ex d m	3/2-way, direct acting	G 1/4"	in-line	2.15.4.1
MC 210 501 Ex	2/2-way, single sol.	G 1/8"	in-line	2.5.1.1.9
MC 210 701 Ex	2/2-way, single sol.	G 1/4"	in-line	2.5.1.1.9
MC 310 501 G Ex	3/2-way, single sol.	G 1/8"	in-line	2.5.1.1.10
MOC 310 501 G Ex	3/2-way, n.o. single sol.	G 1/8"	in-line	2.5.1.1.10
MC 310 701 G Ex	3/2-way, single sol.	G 1/4" - 1/4" NPT	in-line	2.5.1.1.10
MOC 310 701 G Ex	3/2-way, n.o. single sol.	G 1/4" - 1/4" NPT	in-line	2.5.1.1.10
MC 310 121 Ex	3/2-way, single sol.	G 1/2" - 1/2" NPT	in-line	2.5.1.1.11
MOC 310 121 Ex	3/2-way, n.o. single sol.	G 1/2" - 1/2" NPT	in-line	2.5.1.1.11
MC 510 501 G Ex	5/2-way, single sol.	G 1/8"	in-line	2.5.2.1.2
MC 510 701 G Ex	5/2-way, single sol.	G 1/4" - 1/4" NPT	in-line	2.5.2.1.2
MC 510 121 Ex	5/2-way, single sol.	G 1/2" - 1/2" NPT	in-line	2.5.2.1.3
MC 520 501 G Ex	5/2-way, double sol.	G 1/8"	in-line	2.5.2.1.5
MC 520 701 G Ex	5/2-way, double sol.	G 1/4" - 1/4" NPT	in-line	2.5.2.1.5
MC 520 121 Ex	5/2-way, double sol.	G 1/2" - 1/2" NPT	in-line	2.5.2.1.6
MC 53_ 501 G Ex	5/3-way, different versions	G 1/8"	in-line	2.5.3.1.2
MC 53_ 701 G Ex	5/3-way, different versions	G 1/4" - 1/4" NPT	in-line	2.5.3.1.2
MC 53_ 121 Ex	5/3-way, different versions	G 1/2" - 1/2" NPT	in-line	2.5.3.1.3
Valves with interface according to NAMUR-standard				
MNC 350 701 Ex	3/2-way & 5/2-way	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.3
MNC 310 701 Ex	3/2-way, single sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.1.1
MNC 311 701 Ex	3/2-way, comb. spring	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.1.1
MNC 310 711 Ex	3/2-way, single sol.	G 1/4"	1/4" NAMUR	2.10.1.1.1
MNC 310 121 Ex	3/2-way, single sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.1.2
MNC 311 121 Ex	3/2-way, comb. spring	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.1.2
MNC 510 701 Ex	5/2-way, single sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.2.1
MNC 511 701 Ex	5/2-way, comb. Spring	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.2.1
MNC 510 711 Ex	5/2-way, single sol.	G 1/4"	1/4" NAMUR	2.10.1.2.1
MNC 510 121 Ex	5/2-way, single sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.2.2
MNC 511 121 Ex	5/2-way, comb. spring	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.2.2
MNC 520 701 Ex	5/2-way, double sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.2.3
MNC 520 121 Ex	5/2-way, double sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.2.3
MNC 53_ 701 Ex	5/3-way, different versions	G 1/4" - 1/4" NPT	1/4" NAMUR	2.10.1.4
MNC 53_ 121 Ex	5/3-way, centre closed	G 1/2" - 1/2" NPT	1/2" NAMUR	2.10.1.4

Interface between valve body and solenoid system according to CNOMO, therefore the types are called MC.
Base plate assembly due to solenoid coil is not possible.
Flameproof solenoids are displayed on page 2.15.6.7.5.
Example drawings including the solenoid are displayed on page 2.15.6.7.6.

Please note: If the valve is ordered fully assembled with the Ex d coil from page 2.15.6.7.5, the type number of the valve changes from MC to MH, MOC to MOH and MNC to MNH.
For example: MH 310 701 G 24DC Ex d
Delivery contains valve with appropriate operator system, coil, manual and declaration of conformity.