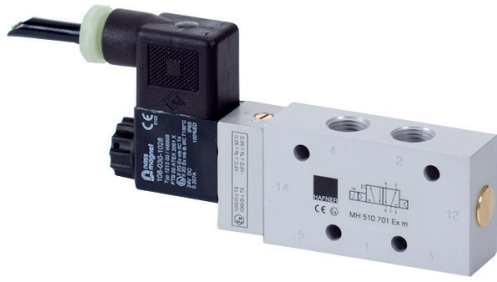


# ATEX-approved valves – Ex m – standard temperature range – aluminum



Material: Aluminum, anodized  
 Zone: 1, 2, 21, 22  
 Temperature range: -10°C ... +50°C  
 Ignition protection type: Ex m (encapsulation)  
 Temperature class: T4

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 IIIIC T80°C  
 Db -10°C ≤ Ta ≤ +50°C

A low temperature version for -20°C ... +50°C is also available on request. Please note that the system is restricted by the minimum ambient temperature for the coil of -20°C.

The following solenoid valves are available:

Type	Function	Port size	Installation	Further inform. on valve
MH 210 501 Ex m	2/2-way, single sol.	G 1/8"	in-line	2.5.1.1.13
MH 210 701 Ex m	2/2-way, single sol.	G 1/4"	in-line	2.5.1.1.13
MH 311 012 Ex m	3/2-way direct acting	M5	in-line	2.5.1.1.2
MH 311 015 Ex m	3/2-way direct acting	G 1/8"	in-line	2.5.1.1.2
MH 311 013 Ex m	3/2-way direct acting	G 1/8"	banjo screw	2.5.1.1.8
MH 311 017 Ex m	3/2-way direct acting	G 1/4"	banjo screw	2.5.1.1.8
MH 312 Ex m	3/2-way direct acting	M5	manifold	2.5.1.2.2
MH 315 Ex m	3/2-way direct acting	G 1/8"	manifold	2.5.1.2.2
MH 310 501 Ex m	3/2-way, single sol.	G 1/8"	in-line	2.5.1.1.14
MOH 310 501 Ex m	3/2-way, n.o. single sol.	G 1/8"	in-line	2.5.1.1.14
MH 310 701 Ex m	3/2-way, single sol.	G 1/4"	in-line	2.5.1.1.14
MOH 310 701 Ex m	3/2-way, n.o. single sol.	G 1/4"	in-line	2.5.1.1.14
MH 310 801 Ex m	3/2-way, single sol.	G 1/4"	in-line	2.5.1.1.14
MOH 310 801 Ex m	3/2-way, n.o. single sol.	G 1/4"	in-line	2.5.1.1.14
MH 310 101 Ex m	3/2-way, single sol.	G 3/8"	in-line	2.5.1.1.15
MOH 310 101 Ex m	3/2-way, n.o. single sol.	G 3/8"	in-line	2.5.1.1.15
MH 310 121 Ex m	3/2-way, single sol.	G 1/2" - 1/2" NPT	in-line	2.5.1.1.15
MOH 310 121 Ex m	3/2-way, n.o. single sol.	G 1/2" - 1/2" NPT	in-line	2.5.1.1.15
MH 310 501 G Ex m	3/2-way, single sol.	G 1/8"	dual use*	2.5.1.1.16
MOH 310 501 G Ex m	3/2-way, n.o. single sol.	G 1/8"	dual use*	2.5.1.1.16
MH 310 701 G Ex m	3/2-way, single sol.	G 1/4" - 1/4" NPT	dual use*	2.5.1.1.16
MOH 310 701 G Ex m	3/2-way, n.o. single sol.	G 1/4" - 1/4" NPT	dual use*	2.5.1.1.16
MH 310 101 G Ex m	3/2-way, single sol.	G 3/8"	dual use*	2.5.1.1.17
MOH 310 101 G Ex m	3/2-way, n.o. single sol.	G 3/8"	dual use*	2.5.1.1.17
MH 310 121 G Ex m	3/2-way, single sol.	G 1/2"	dual use*	2.5.1.1.17
MOH 310 121 G Ex m	3/2-way, n.o. single sol.	G 1/2"	dual use*	2.5.1.1.17
MH 320 501 Ex m	3/2-way, double sol.	G 1/8"	in-line	2.5.1.1.18
MH 320 701 Ex m	3/2-way, double sol.	G 1/4"	in-line	2.5.1.1.18
MH 320 801 Ex m	3/2-way, double sol.	G 1/4"	in-line	2.5.1.1.18
MH 320 101 Ex m	3/2-way, double sol.	G 3/8"	in-line	2.5.1.1.19
MH 320 121 Ex m	3/2-way, double sol.	G 1/2"	in-line	2.5.1.1.19
MH 320 501 G Ex m	3/2-way, double sol.	G 1/8"	dual use*	2.5.1.1.20
MH 320 701 G Ex m	3/2-way, double sol.	G 1/4"	dual use*	2.5.1.1.20
MH 320 101 G Ex m	3/2-way, double sol.	G 3/8"	dual use*	2.5.1.1.20
MH 320 121 G Ex m	3/2-way, double sol.	G 1/2"	dual use*	2.5.1.1.20
MH 510 501 Ex m	5/2-way, single sol.	G 1/8"	in-line	2.5.2.1.3
MH 510 701 Ex m	5/2-way, single sol.	G 1/4"	in-line	2.5.2.1.3
MH 510 801 Ex m	5/2-way, single sol.	G 1/4"	in-line	2.5.2.1.3
MH 510 101 Ex m	5/2-way, single sol.	G 3/8"	in-line	2.5.2.1.4
MH 510 121 Ex m	5/2-way, single sol.	G 1/2" - 1/2" NPT	in-line	2.5.2.1.4
MH 510 501 G Ex m	5/2-way, single sol.	G 1/8"	dual use*	2.5.2.1.5
MH 510 701 G Ex m	5/2-way, single sol.	G 1/4" - 1/4" NPT	dual use*	2.5.2.1.5
MH 510 101 G Ex m	5/2-way, single sol.	G 3/8"	dual use*	2.5.2.1.6
MH 510 121 G Ex m	5/2-way, single sol.	G 1/2"	dual use*	2.5.2.1.6

Type	Function	Port size	Installation	Further inform. on valve
MH 510 504 Ex m	5/2-way, single sol.	5 mm orifice	manifold**	2.5.2.2.4
MH 510 704 Ex m	5/2-way, single sol.	7 mm orifice	manifold**	2.5.2.2.4
MH 520 501 Ex m	5/2-way, double sol.	G 1/8"	in-line	2.5.2.1.9
MH 520 701 Ex m	5/2-way, double sol.	G 1/4"	in-line	2.5.2.1.9
MH 520 801 Ex m	5/2-way, double sol.	G 1/4"	in-line	2.5.2.1.9
MH 520 101 Ex m	5/2-way, double sol.	G 3/8"	in-line	2.5.2.1.10
MH 520 121 Ex m	5/2-way, double sol.	G 1/2" - 1/2" NPT	in-line	2.5.2.1.10
MH 520 501 G Ex m	5/2-way, double sol.	G 1/8"	dual use*	2.5.2.1.11
MH 520 701 G Ex m	5/2-way, double sol.	G 1/4" - 1/4" NPT	dual use*	2.5.2.1.11
MH 520 101 G Ex m	5/2-way, double sol.	G 3/8"	dual use*	2.5.2.1.12
MH 520 121 G Ex m	5/2-way, double sol.	G 1/2"	dual use*	2.5.2.1.12
MH 520 504 Ex m	5/2-way, double sol.	5 mm orifice	manifold**	2.5.2.2.8
MH 520 704 Ex m	5/2-way, double sol.	7 mm orifice	manifold**	2.5.2.2.8
MH 53_501 Ex m	5/3-way, diff. versions	G 1/8"	in-line	2.5.3.1.2
MH 53_701 Ex m	5/3-way, diff. versions	G 1/4"	in-line	2.5.3.1.2
MH 53_801 Ex m	5/3-way, diff. versions	G 1/4"	in-line	2.5.3.1.2
MH 53_101 Ex m	5/3-way, diff. versions	G 3/8"	in-line	2.5.3.1.3
MH 53_121 Ex m	5/3-way, diff. versions	G 1/2" - 1/2" NPT	in-line	2.5.3.1.3
MH 53_501 G Ex m	5/3-way, diff. versions	G 1/8"	dual use*	2.5.3.1.4
MH 53_701 G Ex m	5/3-way, diff.versions	G 1/4" - 1/4" NPT	dual use*	2.5.3.1.4
MH 53_101 G Ex m	5/3-way, diff. versions	G 3/8"	dual use*	2.5.3.1.5
MH 53_121 G Ex m	5/3-way, diff. versions	G 1/2"	dual use*	2.5.3.1.5
MH 53_504 Ex m	5/3-way, diff. versions	5 mm orifice	manifold**	2.5.3.2.4
MH 53_704 Ex m	5/3-way, diff. versions	7 mm orifice	manifold**	2.5.3.2.4

#### Valves with interface according to NAMUR-standard

MNH 350 701 Ex m	3/2-way & 5/2-way	G 1/4" - 1/4" NPT	1/4" NAMUR	2.9.1.3
MNH 310 701 Ex m	3/2-way, single sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.9.1.1.1
MNH 310 711 Ex m	3/2-way, single sol.	G 1/4"	1/4" NAMUR	2.9.1.1.1
MNH 310 121 Ex m	3/2-way, single sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.9.1.1.2
MNH 510 701 Ex m	5/2-way, single sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.9.1.2.1
MNH 510 711 Ex m	5/2-way, single sol.	G 1/4"	1/4" NAMUR	2.9.1.2.1
MNH 510 121 Ex m	5/2-way, single sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.9.1.2.2
MNH 520 701 Ex m	5/2-way, double sol.	G 1/4" - 1/4" NPT	1/4" NAMUR	2.9.1.2.3
MNH 520 121 Ex m	5/2-way, double sol.	G 1/2" - 1/2" NPT	1/2" NAMUR	2.9.1.2.3
MNH 53_701 Ex m	5/3-way, diff. versions	G 1/4" - 1/4" NPT	1/4" NAMUR	2.9.1.4
MNH 53_121 Ex m	5/3-way, diff. versions	G 1/2" - 1/2" NPT	1/2" NAMUR	2.9.1.4

\* dual use valves can either be used in-line or on a manifold plate.  
 \*\* all ports in plate

Solenoids are described on page 2.14.3.2.4.

Delivery contains valve with the appropriate operator system, coil, manual and declaration of conformity.