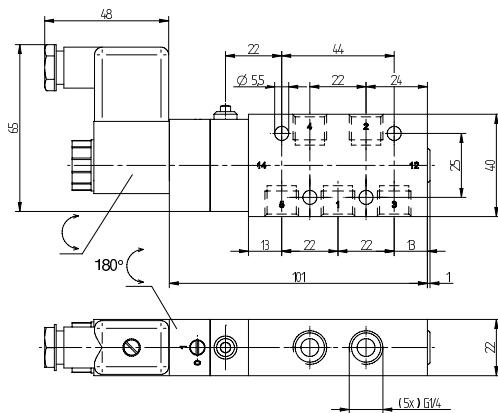




MHLL 510 701 ALU



Valves with manual reset function for monitored reactivation by maintenance staff.
When the solenoid valve is de-energized it will move to its default position.

A regular solenoid valve will be switched on just by energizing the solenoid.

Unlike a valve with a manual reset function:

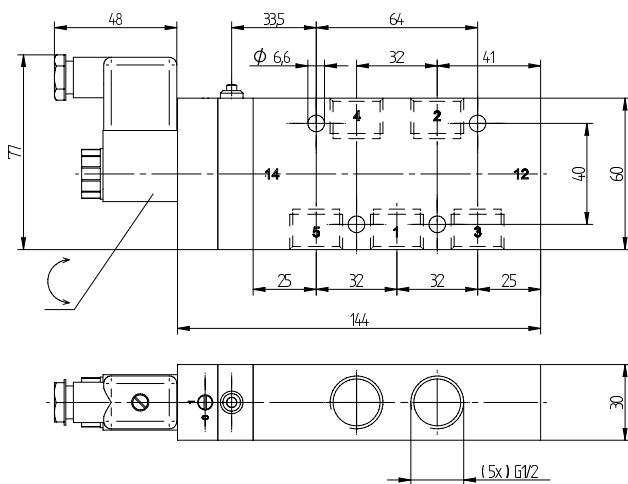
In order to switch-on the valve the solenoid has to be actuated and initially a knob on the valve has to be pushed.

The requirement that an operator has to be physically present when an especially important or critical piece of equipment is activated is fulfilled by this product.

The manual reset system is available for our G 1/8", G 1/4" as well as G 1/2" valves.

On request:

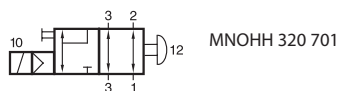
- Stainless steel version
- ATEX-approved
- Pneumatically actuated valves



MHLL 510 121

Type	Port size	Air flow	Operating press.	Power consumption	Weight
MHLL 510 701 ALU	G 1/4"	1250 l/min	2 - 10 bar	3 W = / 5 VA ~	0,30 kg
MHLL 510 121	G 1/2"	3000 l/min	1 - 10 bar	3 W = / 5 VA ~	0,72 kg

Valves with latch-lock function



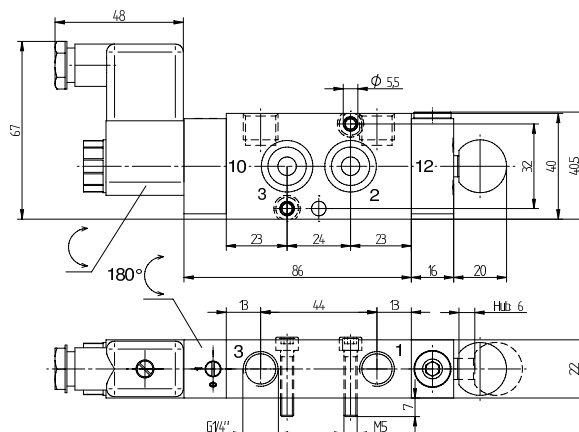
The MNOHH 320 701 is a 2-position valve, actuated from one side by solenoid, from the other side manually.

Interface according to 1/4" NAMUR- standard.

As long as there is no electric signal applied, the valve is open from 1 to 2 and port 3 can exhaust.

When an electric signal is applied to the solenoid, the valve moves to the closed position. The valve will stay in this position no matter if the electric signal cuts-off.

It can only be switched into the other position by manually pushing the knob.



MNOHH 320 701

Typical application:

Valve is mounted on a single acting actuator.

Another 3/2-way control valve is connected to port 1 of the MNOHH 320 701.

In normal operation, no electric signal is applied to the solenoid and the actuator can be opened and closed by the 3/2-way control valve. When there is an emergency, an electric signal is applied to the solenoid and the valve moves to the closed position. The air supply to the actuator is now cut-off and the actuator will close by the force of the spring.

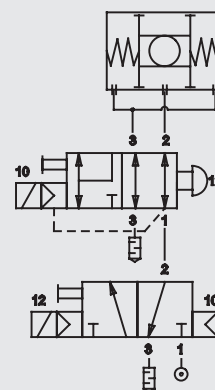
As a result the process valve stays in this position until maintenance personnel is present and resets the valve.

Function:

Actuator

MNOHH 320 701

3/2-way valve



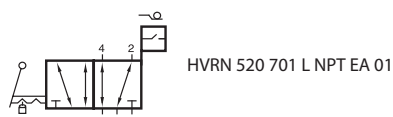
On request:

- Other functions
- ATEX-approved
- Stainless steel version

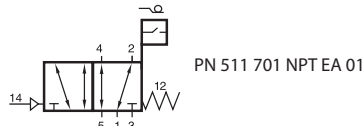
Type	Port size	Air flow	Operating press.	Power consumption	Weight
MNOHH 320 701	G 1/4"	1250 l/min	2 - 10 bar	3 W = / 5 VA ~	0,30 kg

Valves with position feedback function

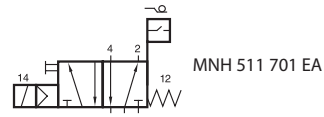
2.9.4.3
page 203



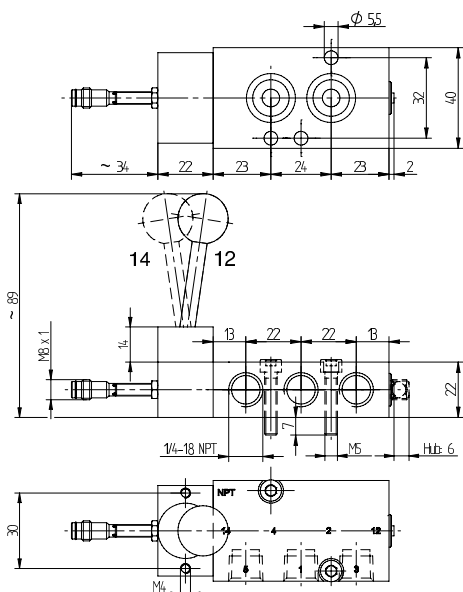
HVRN 520 701 L NPT EA 01



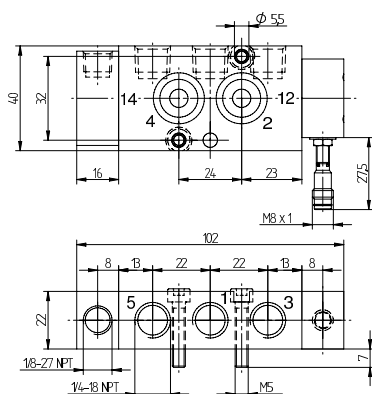
PN 511 701 NPT EA 01



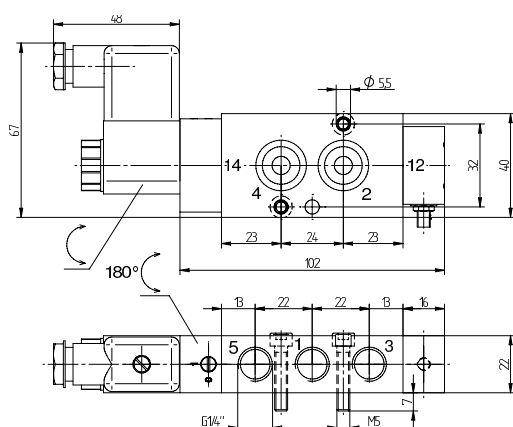
MNH 511 701 EA



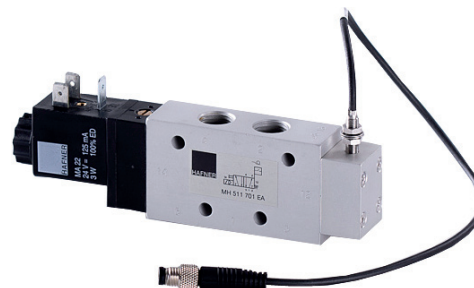
HVRN 520 701 L NPT EA 01



PN 511 701 NPT EA 01



MNH 511 701 EA



The Machinery Directive DIN EN ISO 13849 is challenging machine manufacturers. The security level of control system has to be assessed, redundant systems or components with feedback-functions have to be installed.

Solution from Hafner:

Valves with position feedback function. The sensors give a signal assuring that the valve has fully switched through.

HVRN 520 701 L NPT EA 01:

Lever actuated 5/2-way spool valve, indexed. Interface according to 1/4" NAMUR-standard. Additionally the user can put a padlock in the drilling of the extended spool and thereby lock the valve. Equipped with an inductive sensor from Contrinex according to NAMUR (DIN 19234).

PN 511 701 NPT EA 01:

Pneumatically actuated 5/2-way spool valve. Interface according to 1/4" NAMUR-standard. Equipped with an inductive sensor from Contrinex according to NAMUR (DIN 19234).

MNH 511 701 EA:

5/2-way solenoid valve, actuated by permanent signal. Interface according to 1/4" NAMUR-standard. Equipped with an inductive sensor from Balluff with 0.30 m cable.

Other valves and sensors available on request.

Type	Port size	Air flow	Operating press.	Actuation press.	Power consumption	Weight
HVRN 520 701 L NPT EA 01	1/4" NPT	1250 l/min	1 - 10 bar	–	–	0,24 kg
PN 511 701 NPT EA 01	1/4" NPT	1250 l/min	1 - 10 bar	3 - 6 bar	–	0,19 kg
MNH 511 701 EA	G 1/4"	1250 l/min	2 - 10 bar	–	3 W = / 5 VA ~	0,25 kg

Valves for high temperature applications

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Hafner is offering selected products to be used in high temperature environment.

All valves of the series 500 (G 1/8") as well as 700 (G 1/4") can be delivered like that.

Other sizes available on request.

Temperature range solenoid valves

(DC-coils only):

-10°C to +80° (100% ED)

The solenoid valves are available with coils 24V=.

For a better heat resistance, we equip the valves with the Epoxy coil (MA 22 D).



Sample Product: MNH 310 701 HT

3/2-way solenoid valve, interface according to 1/4" NAMUR-standard.

Equipped with aluminum pilot-head, aluminum fixing nut and Epoxy coil.

Inner seals are made from FKM.

Temperature range manually, mechanically and pneumatically actuated valves: -10°C to +120°C.



Sample Product: P 310 701 VIT

Pneumatically actuated 3/2-way valve with FKM seals.



Sample Product: HVR 520 701 L

Lever actuated 5/2-way spool valve, indexed, with FKM seals.

Added value: The user can put a padlock in the drilling of the extended spool and thereby lock the valve.



Sample Product: D 181 G

Block form flow regulator, bi-directional.

Port-size G 3/4", 6000 l/min air-flow.

Other products can be made available for high temperature applications as well.
Please send us your inquiry!