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ELECTRIC ACTUATOR FOR MODULAR SYSTEM

Model No.: NF EA 110

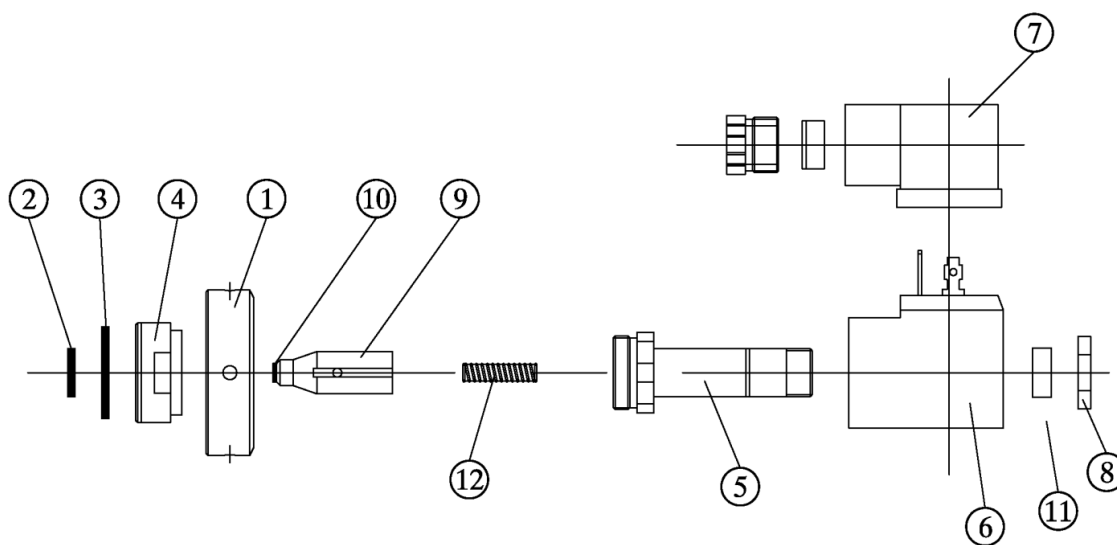


DESCRIPTION

The solenoid valve 13W/24V performs the electrical release of NAFFCO valves. It has a maximum working pressure of 2465.6 psi.

These are electric devices that allow the actuation of the valves by means of an electric signal sent by a control panel or by a push button release.

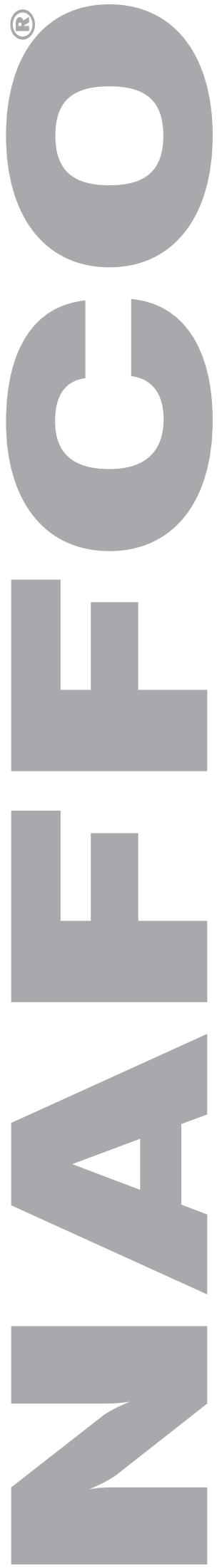
It consists of a coil mounted on a stem. When the coil energizes the internal core is drawn up, opening the valve. The coil is fed electrically by means of the connector. This device may be safely removed from the cylinder even when pilot cylinder is pressurized.



MATERIALS

No.	Description	Material
1	Solenoid valve fixing nut M.36 x 1.5	Stainless steel AISI 303
2	O-Ring, Ø 0.236" x 0.079"	EPDM E17434 (UL, MH8250) or EPDM70 Peroxide M534 (UL, MH28238)
3	O-Ring, Ø 0.827" x 0.079"	EPDM E17434 (UL, MH8250) or EPDM70 Peroxide M534 (UL, MH28238)
4	Valve body	Brass EN 12164:1998, Tab.2

5	Coil	Stainless Steel AISI303
6	Coil - CEE 10	PBT - Polybutylene Terephthalate
7	Connector	Polymer Specs File UL S8501
8	Nut	Brass
9	Core	Stainless Steel AISI 430F
10	Sealing Joint	TEFLON - PTFE
11	Spacer	Steel AVP - UNI EN 10087:2000
12	Reset spring	Steel



TECHNICAL SPECIFICATION

Working	Normally Closed	
Orifice Ø	0.031 Inch	
Tension	Minimum	21.6 V
	Nominal	24 V DC
	Max	27.6 V
Min. Working Pressure	0 psi	
Max. Working Pressure	2465.6 psi	

Current 542 mA (CE)
530 mA (UL)

Consumption	Low T	13 W
	High T	10 W

TREACTION 6 ms

Protection	IP65
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Temperature Limit Class 105



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ELECTRIC ACTUATOR FOR CENTRALIZED SYSTEM

Model No.: NF EA 1102



DESCRIPTION

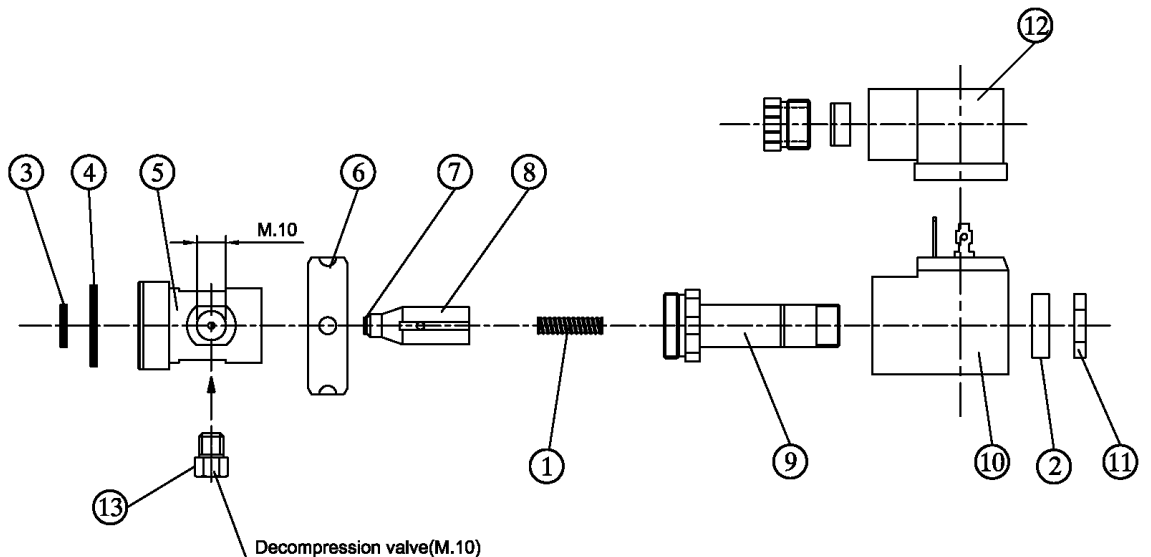
The solenoid valve with coupling G.1/8" performs the electrical release of NAFFCO 40/600, 40/360, 25/600, 25/360, and 20/600 valves. It is used with extinguishing gases with a maximum working pressure up to 170 bar (2465.6 psi). Furthermore it is equipped with a pneumatic outlet to activate other release devices.

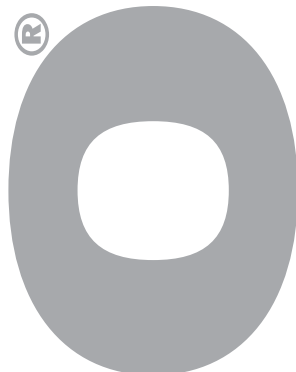
This device may only be used with master cylinders in cylinder banks of 8 or less cylinders and in combination with the pneumatic manual release.

Mounted on the master cylinder valve it allows electrical actuation in combination with the pneumatic manual release. Connected through to the master cylinder valve it allows actuation by means of an electric signal sent by a control panel or a by push button release. It consists of a coil mounted on a magnetized core. When coil energizes the external cylinder pressure communicates with the pneumatic outlet track to supply the manual pneumatic release.



The coil is fed electrically through a connector. This device may be dismantled even when the cylinder is pressurised. A device incorporating a relief valve is able to release micro-leakage, which may cause accidental discharge.





TECHNICAL SPECIFICATION

Working	Normally Closed	
Orifice Ø	0.031 Inch	
Tension	Minimum	21.6 V
	Nominal	24 V DC
	Max	27.6 V
Min. Working Pressure	0 psi	
Max. Working Pressure	2465.6 psi	
Current	542 mA (CE)	
	530 mA (UL)	
Consumption	Low T	13 W
	High T	10 W
TREACTION	6 ms	
Protection	IP65	
Temperature Limit	Class 105	

MATERIALS

No.	Description	Material
1	Reset Spring	Stainless steel, EN 10270-3
2	Spacer	Steel AVP – UNI EN 10087
3	O-Ring, Ø 0.236" x 0.079"	EPDM E17434 (UL, MH8250) or EPDM70 Peroxide M534 (UL, MH28238)
4	O-Ring, Ø 0.827" x 0.079"	EPDM E17434 (UL, MH8250) or EPDM70 Peroxide M534 (UL, MH28238)
5	Valve body G. 1/8"	Stainless steel AISI 303
6	Solenoid valve fixing nut M.36 x 1.5	Stainless steel AISI 303
7	Sealing Joint	TEFLON - PTFE
8	Core	Stainless Steel AISI 430F
9	Piston	Stainless steel AISI 303
10	Coil - CEE 10	PBT – Polybutylene Terephthalate
11	Nut	Brass
12	Connector	Polymer Specs File UL S8501
13	Relief Valve – M10x1	Brass



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