

Operating instructions for safety shut-off devices for furnaces according to DIN EN ISO 23553-1:2014-09 (stainless steel version)

Scope:

This operating instructions for approved valves according to test basis on **DIN EN ISO 23553-1:2014-09** are a supplement to the "general operating instructions". The general operating instructions can be found on the Internet at www.co-ax.com and must be observed when installing the valves !

Manufacturer and service address:

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Product type: Series of safety shut-off valves for liquid fuels as equipment with safety function

Type designations / technical and electrical data:

Designation	Certificate number	Technical data								Electrical data		
		Connections	Fluid	Nominal pressure	Nominal width	Temperature range	Fluid temperature	Operating pressure	Mounting position	Voltages	Nominal frequency	Protection class
MK 15 NC MK 15 NO	Z-IS-TAF-MUC-25-08-2652116-20175136	G 3/8, G 1/2, G 3/4	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 15	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
MK 15 NC E MK 15 NO E	Z-IS-TAF-MUC-25-08-2652116-20175136	G 3/8, G 1/2, G 3/4	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 15	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
FK 15 NC FK 15 NO	Z-IS-TAF-MUC-25-08-2652116-20175136	Flange DIN EN 1092-1	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 15	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
FK 15 NC E FK 15 NO E	Z-IS-TAF-MUC-25-08-2652116-20175136	Flange DIN EN 1092-1	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 15	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
MK 25 NC MK 25 NO	Z-IS-TAF-MUC-25-08-2652116-20175136	G 1, G 1 1/4, G 1 1/2	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 25	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
MK 25 NC E MK 25 NO E	Z-IS-TAF-MUC-25-08-2652116-20175136	G 1, G 1 1/4, G 1 1/2	Heating oil EL, M, S EL-A (HVO), Animal fat	40 bar	DN 25	-10 °C to + 60°C	max. + 160 °C	max. 40 bar	any	24 VDC and 230 VAC with sepearate rectifier	40 - 60 Hz	IP 65
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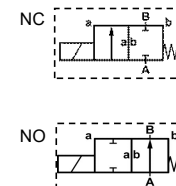
Explanations:

MK: Connections with female thread
FK: Connection with flange
15: Nominal width in mm e.g. DN 15 mm
NC: Valve closed without current by spring force
NO: Valve open without current by spring force

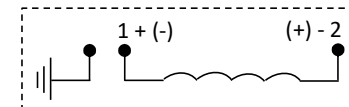
Special Conditions:

- Strainer: A strainer must be installed at the inlet of the valve, whose mes size is max. 0.5 mm !
From valve type MK/FK25 onwards, the strainer must be accessible for for cleaning or replacement without removing the valve.

Fluid symbol:



Electrical connection assignment:



Permissible viscosities of the above oil grades at room temperature:

1 bis 82.000 mm²/s (cSt)

Nominal flow rate at pressure difference 1 bar, at room temperature:

MK15 / FK15: 4,8 m³/h MK25 / FK25: 11,2 m³/h