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Application Engineering Europe

MIA...-FLR MOISTURE / LIQUID INDICATOR

General information /



The MIA...-FLR series of Moisture Indicators are designed to monitor the moisture content within the liquid line of a refrigeration system.

MIA...-FLR series with stainless steel body and extended copper tube connections are fully hermetic products without the use of any gasket.

Features



- Maximum working Pressure PS: 35 bar
- Fully hermetic
- Lower Pressure drop
- Corrosion free stainless-steel body
- Crystal Indicator element for long lifetime and reliability
- Easily determination of moisture content
- Sensitive indicator with calibrated four colours. Conforms to requirement of most compressor manufacturers
- Large clear viewing area
- ODF extended tube configurations suitable for all commercial applications



MIA...-FLR

NOTE: Product types for safety class A1 / A2L, please refer to separate documents.

Selection Table

Type	Part No.	For Tube Outside Diameter		Configuration	Illustration
		(mm)	(Inch)		
MIA M06-FLR	805901	6		Female solder x female solder ODF x ODF	
MIA 014-FLR	805895		1/4		
MIA M10-FLR	805894	10			
MIA 038-FLR	805896		3/8		
MIA M12-FLR	805902	12			
MIA 012-FLR	805897		1/2		
MIA 058-FLR	805898		5/8		
MIA 078-FLR	805899	22	7/8		
MIA M28-FLR	805903	28			
MIA 118-FLR	805900		1 1/8		
MIA M10S-FLR female/male	805904	10		Female solder x male solder ODF x ODF	
MIA M12S-FLR female/male	805905	12			

NOTE: For assistance with selection, please contact your local Emerson Sales offices.

Technical Data

Max. allowable Pressure PS	35 bar
Max. Test Pressure PT	49.5 bar
Temperatures Medium	-40...+100 °C
Connections	ODF extended copper tubes

Installation / Location	In any position
Pressure Drop	negligible
Released Refrigerants Fluid group I	R290 A3
Standards	EN 12178

Crystal Indicator

Where many products in the market use insensitive and technically simple paper indicators. Emerson has retained the long-established crystal moisture indicators in all existing product series because of its known advantages. This guarantees system performance by providing a sensitive and durable monitoring of the systems moisture content. enabling the indicator to react to a minimum moisture level of 50 ppm specified by leading compressor manufacturers (see Asercom statement: www.asercom.org).



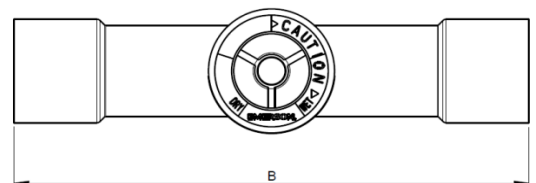
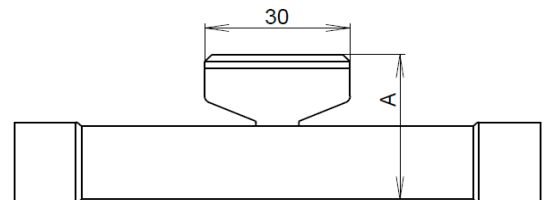
Color Code

MIA...-FLR	Refrigerants	A3 R290		
		Liquid temperature (°C)		
		25	38	52
Blue/ Dry		2	5	10
Purple		8	8	16
Fuchsia/ Caution		9	18	36
Rose/ Caution WET!		14	29	59

NOTE: In area "Caution" and "Caution wet" filter drier should be changed.

Dimension (mm)

Type	Part No.	For Tube Outside Diameter	Height A (mm)	Length B (mm)	Weight (g)
MIA M06-FLR	805901	6 mm	25.9	98.0	60
MIA 014-FLR	805895	1/4"	25.7	98.0	60
MIA M10-FLR	805894	10 mm	28.5	109.0	70
MIA 038-FLR	805896	3/8"	28.5	109.0	70
MIA M12-FLR	805902	12 mm	28.5	113.0	75
MIA 012-FLR	805897	1/2"	31.8	113.0	75
MIA 058-FLR	805898	5/8"	31.8	108.5	85
MIA 078-FLR	805899	7/8"	37.8	122.5	150
MIA M28-FLR	805903	28 mm	43.5	122.5	190
MIA 118-FLR	805900	1 1/8"	43.5	122.5	190
MIA M10S-FLR female/male	805904	10 mm	28.7	119	75
MIA M12S-FLR female/male	805905	12 mm	28.5	113	75



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