

Product Data Sheet

Humidity Indicator FAI 01 HI

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Field of application

The FAI01HI humidity indicator is used for an optical indication of humidity content of compressed air (pressure dew-point) at pressure levels up to 16 bar.

The humidity indicator is a separate unit (external mounting) and adapted to the FCA (direct mounting) and FWS (adapter) housing series.

The humidity indicator is mainly used for monitoring the pressure dew-point of point of use dryer. Nevertheless, according to its specifications the humidity indicator can be used for pressure dew-point monitoring with other equipment (with a nominal pressure dew-point less than 0°C) at any time.

Features

The FAI01HI humidity indicator provides colour changing indicator pearls for an approximate pressure dew-point indication of compressed air.

The FAI01HI humidity indicator consists of a small filter housing providing a transparent filter bowl with needle valve and filled with indicator pearls (orange gel). For a proper operation the needle valve must be slightly opened in order to allow the compressed air flowing through the filling of indicator pearls. Depending on the pressure dew-point the indicator pearls change their colour:

Pressure dew point	Colour
< -15°C	orange
-15°C - 0°C	yellow-brown
> 0°C	green

Change of colour is reversible. Wet compressed air dyes the indicator pearls green, dry compressed air dyes the indicator pearls orange.



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Specifications subject to change without notice

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Latest version see www.fstweb.de

Basic data

Model	Nominal volume flow	Max. operating pressure	Min./Max. operating temperature
FAI01HI	---	16 bar	+2°C - 50°C

Maintenance rules

FAI01HI	Replacement of indicator pearls once a year (SR-FAI01-OG)
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Product specific data

Indication range	Pressure dew points less than 0°C
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Materials

Component	
Housing	Aluminium, PC (Polycarbonate)
Mounting parts, fittings	Brass
Filling	Orange gel (OG)
Sealing materials	NBR

Connection, dimensions and weight

Model	Connection	Height	Width	Depth	Weight
FAI01HI	G 1/8	96 (104) mm	40 mm	40 mm	0.2 kg

Classification according to Pressure Equipment Directive 2014/68/EU for group 2 fluids

Model	Volume	Category
FAI01HI	< 0.1 litres	---

Other Directives

Model	
FAI01HI	---