Copeland Hermetic Moisture Indicator

A new level of moisture protection.

COPELAND
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It's a fact.

Every commercial refrigeration and air conditioning system you install will eventually need maintenance along with a new moisture indicator. While there are plenty of brands to choose from, only one moisture indicator incorporates breakthrough technology to reduce costly overhauls. Choose the Copeland HermeticMoisture Indicator (HMI) for earlier indication, a better design and greater reliability.

The 3% difference

What makes Copeland's moisture indicator better? Early detection. The HMI's patented wafer dial uses a three-step gauge to detect moisture at 3% relative humidity (RH), which gives you plenty of time to make necessary adjustments before any damage is done. Ordinary indicators use a two-step paper gauge that only detects moisture at 10% RH. Corrosive acids form at 5% RH which can build up and destroy a system.

Designed for today. Made for tomorrow.

The added moisture sensitivity of the HMI makes it ideal for nearly every refrigerant available, including HCFCs, HFCs and HFOs. The HMI is available with both ODF and SAE connections with a maximum working pressure of 680 psig.

Built to last with a universal fit

The HMI has an airtight, corrosion-resistant brass body with no o-rings or knife-edge seals for guaranteed leak-free operation. It is also heat resistant, so you can braze without having to worry about damaging the internal wafer dial. The HMI features solid copper fittings for easy installation and universal replacement of any brand indicator.

Now you see it. Now you know.

Let's face it, moisture indicators are almost always in dark areas with poor light. The HMI has the largest viewing lens in the industry with a wide angle, .71-square-inch lens. It's easy-to-read, tri-color-coded system allows the dial to be read in low-light conditions.

	BLUE	**PURPLE**	**PINK**
	Dry, optimal operating conditions	Low levels of moisture detected	High levels of moisture detected

The molded wafer dial has a revolutionary third stage to warn you of building moisture levels.
Simply look at the dot in the middle and you'll be able to see how your system is functioning.
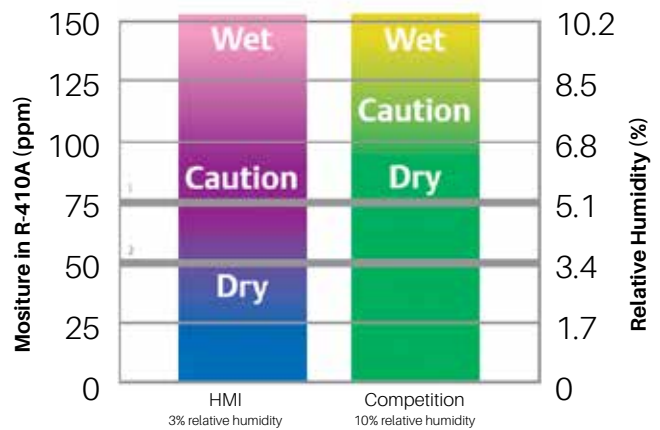
Paper or plastic?

The HMI wafer dial is a molded disk that is significantly more durable than ordinary paper indicators. It is also more sensitive to lower levels of moisture (3% versus 10% relative humidity). In fact, the color in a paper indicator can actually wash out under wet conditions. Plus, paper indicators are highly susceptible to damage from brazing during installation.

Protect your reputation

When it comes to your HVAC/R systems, you have enough things to worry about. Your reputation shouldn't be one of them. With Copeland's HMI, your customers are getting a better indicator and you are getting a better warning system. After all, your reputation is worth it.

Only Copeland's HMI indicates harmful moisture levels in a system before damage is done.

[1]Acid forms at 75 ppm (5.0% relative humidity)
[2]Copeland Climate Technologies Inc. recommends <50 ppm (3.3% relative humidity)

HMI's features are a level above the rest

Features	HMI	Sporlan SA	Parker PSG	Danfoss SGI
Hermetic design	yes	no	no	yes
Viewing lens diameter (inches)	0.95	0.687 < 1/2 0.953 ≥ 1/2	0.687 < 1/2 0.953 ≥ 1/2	0.50 < 1/2 0.85 ≥ 1/2
Relative humidity sensing wafer	3%	10%	10%	10%
Solid copper fittings	Yes	Limited sizes	Limited sizes	Yes
Swivel-nut connections	Yes	Yes	No	No
All brass body	Yes	Painted steel body	Painted steel body	Yes
Maximum temperature at which element is damaged when brazing	450°F	350°F	350°F	350°F
Maximum working pressure (psig)	680	650	650	500
Plastic cap cover Yes Yes Yes No	Yes	Yes	Yes	No

About Copeland

Copeland, a global provider of sustainable climate solutions, combines category–leading brands in compression, controls, software and monitoring for heating, cooling and refrigeration. With best- in-class engineering and design and the broadest portfolio of modulated solutions, we're not just setting the standard for compressor leadership; we're pioneering its evolution. Combining our technology with our smart energy management solutions, we can regulate, track and optimize conditions to help protect temperature–sensitive goods over land and sea, while delivering comfort in any space. Through energy–efficient products, regulation–ready solutions and expertise, we're revolutionizing the next generation of climate technology for the better. For more information, visit copeland.com.

Customer Service or Technical Support: 888-725-9797

To learn more, visit **copeland.com**

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