HMI - Hermetic Moisture Indicators

Application

The HMI is designed to provide an accurate method of determining the moisture content of a system's refrigerant. The HMI has a unique high accuracy moisture indicator for CFC, HCFC, and HFC refrigerants.

Features

- Highest sensitivity moisture indicator available
- Hermetic, leak-free construction
- Single indicator for all common refrigerants
- Accurate color calibration at low ppm levels and higher temperatures
- Wide angle viewing/high visibility window for ease of monitoring
- All brass corrosion resistant body for fewer leaks
- Solid copper connections.

Specifications

- Maximum working pressure: 680 psig
- UL/CUL file number: SA 9566

Nomenclature

EXAMPLE: HMI 1TT4			
HMI	1	TT	4
Hermetic Moisture Indicator	Series	Connection Style TT = Sweat x Sweat	Connection Size (in 1/8")

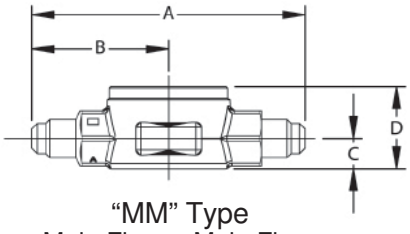
Moisture Content Color Code (ppm H^2O)

Indication Liquid Temperature	Dry (Dark Blue)			Caution (Purple)			Wet (Salmon)		
	75°F	100°F	125°F	75°F	100°F	125°F	75°F	100°F	125°F
R-134a	20	35	60	35	55	85	130	160	190
R-448A, R-449A	30	55	75	50	85	120	165	290	420
R-404A/507	15	25	45	33	50	80	120	150	180

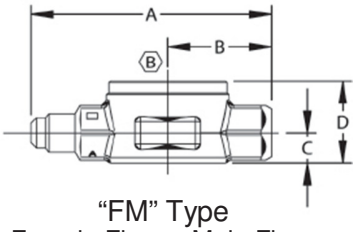
Indication Liquid Temperature	Dry (Dark Blue)				Caution (Purple)				Wet (Salmon)			
	-40°F	-4°F	32°F	68°F	-40°F	-4°F	32°F	68°F	-40°F	-4°F	32°F	68°F
R-744	3	6	11	20	5	10	19	34	16	32	63	116

HMI - Hermetic Moisture Indicators

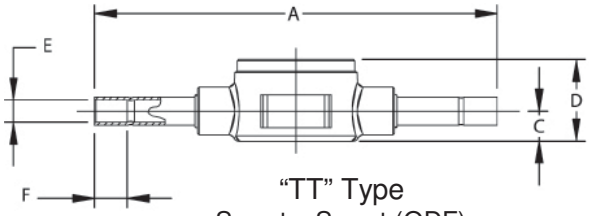
Dimensional Data



"MM" Type
Male Flare x Male Flare



"FM" Type
Female Flare x Male Flare



"TT" Type
Sweat x Sweat (ODF)

Dimensional Data (in)

Type Number	Connection Size	A	B	C	D	E	F Min
HMI-1MM2	1/4 SAE	3.13	1.56	0.34	0.94		
HMI-1MM3	3/8 SAE	3.38	1.69	0.34	0.94		
HMI-1MM4	1/2 SAE	3.62	1.81	0.47	1.19		
HMI-1MM5	5/8 SAE	3.88	1.94	0.47	1.19		
HMI-1TT2	1/4 ODF	5.56		0.34	0.94	0.25	0.38
HMI-1TT3	3/8 ODF	5.61		0.34	0.94	0.38	0.40
HMI-1TT4	1/2 ODF	5.87		0.47	1.19	0.50	0.50
HMI-1TT5	5/8 ODF	5.87		0.61	1.19	0.63	0.63
HMI-1TT6	3/4 ODF	6.56		0.61	1.5	0.75	0.63
HMI-1TT7	7/8 ODF	6.31		0.61	1.5	0.88	0.75
HMI-1TT9	1 1/8 ODF	6.59		0.67	1.37	1.13	0.90
HMI-1FM2	1/4 SAE FM	2.75	1.19	0.34	0.94		
HMI-1FM3	3/8 SAE FM	3.00	1.31	0.47	1.19		
HMI-1FM4	1/2 SAE FM	3.22	1.41	0.47	1.19		

IHL - Series Saddle Type Liquid and Moisture Indicators

Application

Designed for use with all common refrigerants in larger diameter liquid lines from 1-1/8 up to 2-5/8 ODF.

Features, Advantages and Benefits

* Solid copper connections.
* Replaceable moisture indicator.
* Wide angle viewing for high visibility.
* Accurate color calibration at low ppm level and higher temperatures.
* Approved by: UL file *SA9566*
  CSA file *LR100624*
* Maximum Working Pressure 34.5 bar.
* Burst Pressure 172.4 bar.

IHL series saddle type liquid and moisture indicators are designed to provide an accurate method of determining the quality and moisture content of a system's refrigerant, determining when the moisture content is dangerously wet and when the liquid line filter-drier is no longer effective. An indicator element ring is highly sensitive to moisture and gradually changes color in relation to changes in the system moisture content.

IHL saddle type liquid and moisture indicators are constructed of a steel removable sight glass assembly and a brass bushing brazed to a copper tube. The sight glass with a wide angle view, allows for easy inspection of the refrigerant system.

Nomenclature

EXAMPLE: IHL-11S		
IHL	11	S
Series	Connections size in 1/8"	Connection style: S = ODF

Dimensional Data

	CONNECTION TYPE mm (inch)	OVERALL LENGTH mm (in)	OVERALL HEIGHT mm (in)
IHL-9S	1-1/8 SOLDER	160 (6.30)	65 (2.55)
IHL-11S	1-3/8 SOLDER	180 (7.09)	71 (2.80)
IHL-13S	1-5/8 SOLDER	200 (7.87)	78 (3.05)