



# Sight Glass with Moisture Indicator



## ■ FEATURES

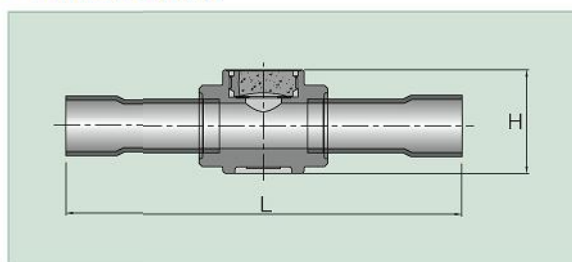
- Max Working Pressure : 700 PSIG (48bar, 49kg/cm<sup>2</sup>)
- Max Temp. Rating : -40°F (-40°C) ~ 300°F (150°C)
- Large and clean view Sight Glass
- Zero leakage by High Frequency application
- Both for Solder and Flare Type connection
- UL Listed

➡ Essen Moisture Indicator is installed to see flow status of refrigerant, and check the moisture content of the refrigeration system.

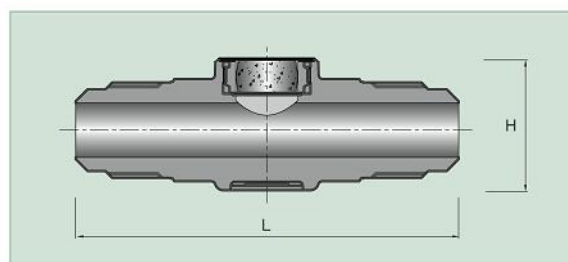
## ■ MOISTURE CONTENT PPM

| Indicator Color | R22            |                 |                 | R134a          |                 |                 | R410A          |                 |                 | R404A          |                 |                 | R407C          |                 |                 | R507           |                 |                 |
|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
|                 | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) | 75°F<br>(24°C) | 100°F<br>(38°C) | 125°F<br>(52°C) |
| Green-Dry       | 20             | 30              | 45              | 30             | 50              | 70              | 20             | 30              | 50              | 20             | 35              | 45              | 15             | 20              | 40              | 15             | 20              | 35              |
| Intermed. Color | 20-85          | 30-90           | 45-110          | 30-90          | 50-120          | 70-150          | 20-100         | 30-120          | 50-150          | 20-100         | 35-130          | 45-200          | 15-90          | 20-120          | 40-210          | 15-80          | 20-90           | 35-110          |
| Yellow-Wet      | 85             | 90              | 110             | 90             | 120             | 150             | 100            | 120             | 150             | 100            | 130             | 200             | 90             | 120             | 210             | 80             | 90              | 110             |

## ■ DIMENSIONS



ESM series



ESMM series

| Model Number | Connection Size (Inch) | Connection (Type)       | Dimension (mm) |      |
|--------------|------------------------|-------------------------|----------------|------|
|              |                        |                         | L              | H    |
| ESM6         | 1/4"                   | Sweat x Sweat Standard  | 111            | 30.5 |
| ESM10        | 3/8"                   |                         | 111            | 30.5 |
| ESM12        | 1/2"                   |                         | 111            | 30.5 |
| ESM16        | 5/8"                   |                         | 117            | 30.5 |
| ESM18        | 3/4"                   |                         | 151.4          | 38   |
| ESM22        | 7/8"                   |                         | 158            | 38   |
| ESM28        | 1-1/8"                 |                         | 176            | 43.5 |
| ESMM6        | 1/4"                   | Male Flare x Male Flare | 70.4           | 30.5 |
| ESMM10       | 3/8"                   |                         | 76.8           | 30.5 |
| ESMM12       | 1/2"                   |                         | 83.1           | 30.5 |
| ESMM16       | 5/8"                   |                         | 89.7           | 30.5 |