

DESCRIPTIVE INFORMATION AND OPERATING INSTRUCTIONS

DATA SHEET

RAF®
MOISTURE
INDICATOR



No. 5.110J



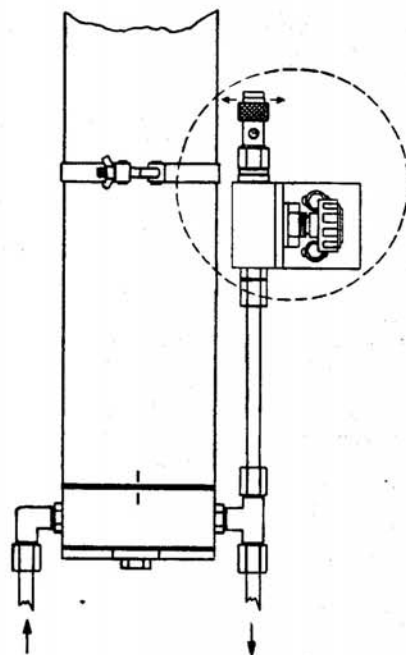
The RAF® Moisture Indicator, color-change type, is used to give an approximation of the moisture content in a pressurized air or gas system, and thus to indicate the approximate degree of saturation of the RAF® Purifier Cartridges in an RAF® Purification System or an RAF® Purifier Tower so as to signal the need for Cartridge replacement.

The Moisture Indicator contains an easily replaceable capsule filled with bright blue beads, which gradually change color as the moisture content rises.

The Indicator has been designed for maximum reliability and safety. It is equipped with a flow restricting orifice that minimizes the possibility of a high pressure surge resulting from disregard of operating instructions, as well as with a safety relief O-ring for personnel protection in the event of capsule damage for the same reason.

The Moisture Indicator is factory-installed on RAF® Purifier Towers and RAF® Purification Systems as standard equipment.¹ It may also be purchased separately for field installation or for other applications requiring a moisture indicating device of this type. In such cases, it is supplied as a complete Moisture Indicator Assembly, which includes a valve, mounting bracket, and mounting hardware, in addition to the Indicator with Capsule. Replacement Indicator Capsules are available in packages of ten.

¹If greater accuracy of moisture content indication is required, the RAF® electronic Dewpoint Monitor is optionally available on Purification Systems



Moisture Indicator Assembly shown installed downstream of an RAF® Purifier Chamber

ORDERING INFORMATION

Item	Model No.	Approx. Weight
Moisture Indicator Assembly (Moisture Indicator with Capsule, Indicator Valve, Mounting Bracket, and mounting hardware)	RAF-8425	1 lb.
Moisture Indicator only—with Capsule (May be ordered for replacement of an obsolete or damaged Indicator previously factory-installed on RAF® System or Tower. When purchased for field installation, the Moisture Indicator Assembly, Model RAF-8425, must be ordered)	RAF-8426	1 oz.
Indicator Capsule (supplied in lots of 10)	RAF-8427	2 oz./pkg

To order replacement parts, see reverse side

To order replacement parts for Indicator Valve, see Data Sheet No. 11.110

OPERATING INSTRUCTIONS

1. Make sure all hand valves, except inlet valve, are fully closed.
2. Bring Purification System or Purifier Tower to maximum recommended operating pressure.
3. Slowly open Indicator Valve just enough to allow a very light air flow through the Indicator. Leave Indicator Valve thus open during operation of the unit or Indicator will not function.
4. During operation of the purification unit, periodically check the color of the beads in the Indicator Capsule. As soon as the bright blue color begins to disappear, shut down operation, depressurize the unit, and replace the Purifier Cartridges and the Indicator Capsule—see 6, 7, and 8 below.

Note: If the unit is depressurized other than for Cartridge replacement, or if pressure is reduced for any reason, the indicating beads may turn color. This is usually a temporary condition that does not require Capsule change, and the beads will return to their normal bright blue color after repressurization of the unit and purging for a few minutes.

CAUTION: Check log of operating time to make sure Purifier Cartridges have a good life expectancy and that color change is not due to need for Cartridge replacement.

5. When shutting down unit following operation, close Indicator Valve fully.

Purifier Cartridge Replacement

6. Replace the single Cartridge in the Purifier Tower or all the Cartridges in the Purification System by following the step-by-step instructions in Data Sheet No. 3.105 A.

Indicator Capsule Replacement

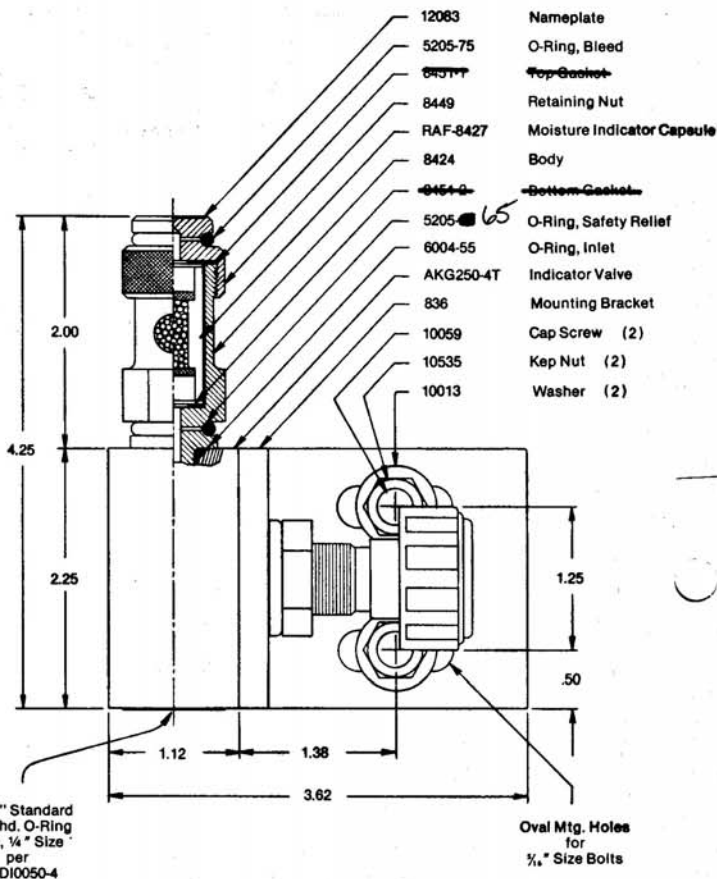
7. Unscrew knurled Retaining Nut. Discard spent Capsule and replace with fresh one. Reinstall Retaining Nut, tightening it finger-tight to prevent leakage.
8. Check O-rings for signs of deterioration, and replace if necessary. (Indicator O-rings are of premium quality, weather-resistant silicone rubber and will last a long time unless exposed to a highly polluted environment.)

Important: Indicator Capsule must be replaced at every Cartridge change. Indicator Capsule should also be replaced every six months even though the System or Tower has not been used enough to cause a color change.

RAF® MOISTURE INDICATOR ASSEMBLY

MODEL RAF-8425

Material:
 Indicator—Aluminum
 Valve Body—Aluminum
 Bracket—Aluminum
 Capsule—Plastic



Valves and
 Gas Purification
 Equipment for ALL Industries

Alta-Robbins
 110 South 1200 West
 Lindon, UT 84042
 (801) 785-1114

DS 5.110J



IMMEDIATE SERVICING FOR ANY ROBBINS PRODUCT IS AVAILABLE AT THE FACTORY. FOR "ON SITE" ADVICE AND ASSISTANCE, PLEASE CONTACT YOUR NEAREST ROBBINS DEALER.

WARRANTY: ROBBINS AVIATION, Inc., warrants that any products of its manufacture that prove to be defective in materials or workmanship within one year from the date of original purchase for use will be repaired or replaced free of charge. This warranty does not apply to damage resulting from accidents, alterations, misuse, or abuse. All items manufactured by Robbins Aviation, Inc., are non-repairable and are interchangeable only with genuine "Robbins" or RAF® replacement parts. Therefore, the use of substitute or imitation parts or components with any product manufactured by Robbins Aviation, Inc., renders this warranty null and void.

PROPRIETARY NOTICE: The designs, data, and/or processes set forth herein or in connection herewith are the exclusive property of ROBBINS AVIATION, INC., and are directly related to proprietary items of ROBBINS AVIATION, INC.

This entire legend shall be shown on any reproduction, in whole or in part, of this document.

