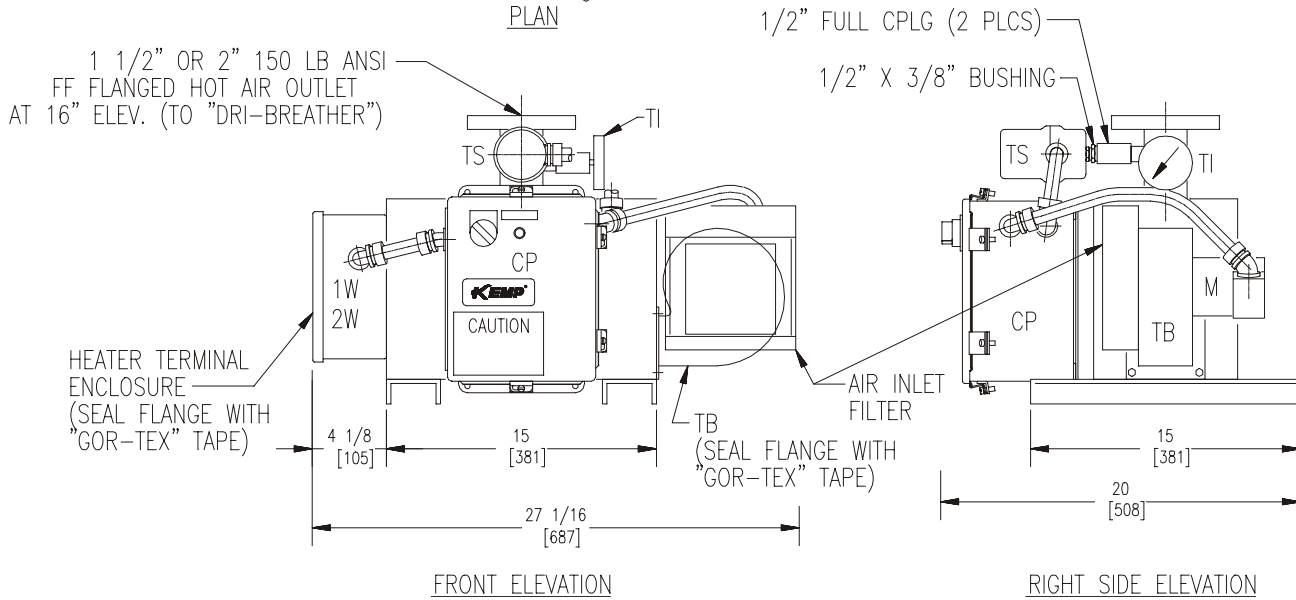


LEGEND:-

- CP - CONTROL PANEL
- L - LIGHT
- M - MOTOR, TURBO BLOWER
- SW - SWITCH, SELECTOR
- TB - TURBO BLOWER
- TI - INDICATOR, TEMPERATURE
- TS - SWITCH, TEMPERATURE
- W - HEATER, ELECTRIC



HEATER - 7 KW
 POWER - 230V-1PH-60HZ
 MOTOR - 1/25 HP, 2800 RPM, CLASS B
 WEIGHT- 80 LBS. APPROX.

WARNING:
 HOUSING WILL GET EXTREMELY
 HOT DURING OPERATION.
 SURFACE TEMPERATURES MAY
 EXCEED 300°F.



The Kemp Company
 Ocala, Florida

DRI-BREATHER REACTIVATOR
 MODEL DBR-3

DRAWING NUMBER

V-104

CAT# 3147459

DRI-BREATHER REACTIVATOR INSTALLATION AND OPERATION MANUAL



The KEMP MODEL DBR-3 DRI-BREATHER REACTIVATOR is designed to reactivate all Kemp Dri-Breathers which have become saturated with moisture. The DBR-3 is small enough to be portable, or it can be permanently installed.

INSTALLATION

The Reactivator should be located indoors, in a well ventilated, dry area on a reasonably level surface. For best performance, a minimum ambient temperature of at least 60°F should be maintained.

The standard Reactivator is designed for 230V-1PH-60HZ, 3 wire operation. It can be operated on 208V, however, reactivation time will increase-over what is shown in the chart. The unit can be modified to operate on 230V or 460V, 3PH if required. Contact Kemp for required component/wiring changes. For standard 230V operation, connect appropriate terminals in control box to a 40 amp circuit.

OPERATION

Place the saturated Dri-Breather on the Reactivator hot air outlet flange. The hot air outlet flange has two sets of holes. One set matches the 1 1/2" flange on the DB-5 thru DB-12 and the other set matches the 2" flange on the DB-16 and DB-20. It is recommended that a gasket suitable for 400°F service be installed between the flanges, and that four bolts be used to mount the Dri-Breather to the Reactivator.

Operate the "On-Off" Switch, located on the front of the control box, to turn on the Reactivator. The "Power On" indicator should light, and the turbo blower should start. If "Power On" indicator fails to light, check the main circuit breaker inside the control box to insure it has not tripped or been turned off.

Warning: The Control Box should only be opened by qualified personnel.

After reactivation is started, the heating cycle should be allowed to continue until the indicator gel in the observation port returns from green to yellow in color and the discharge air stream temperature reaches 225 to 250°F.

In the case of older units the moisture indicator observation port changes from pink to a definite blue when fully reactivated. If you have the older pink/blue model, please contact Kemp for a replacement unit.

The chart below shows the approximate time to reactivate the various size Dri-Breathers. When the Dri-Breather is fully reactivated, turn off the Reactivator. An optional cycle timer is available from Kemp. Please contact the factory for pricing information.

The heater is protected by a thermostat located in the hot air outlet nozzle. It is factory set and should not require changing in the field. During the reactivation cycle, the thermostat may periodically turn off the heater. However, the turbo blower will continue to run until turned off by the "On-Off" Switch on the front of the control box.

After the Reactivator has been turned off, both the Reactivator and Dri-Breather should be allowed to cool before handling. If the Dri-Breather is not going to be put into service immediately, the inlet and outlet should be plugged or sealed with a waterproof covering to prevent absorption of moisture while in storage.

REACTIVATION TIMES

Model Number	Water Removed Lbs.	Reactivation Time, Hrs.
DB-5	1	1-2
DB-6	2	2-3
DB-8	3.5	3-4
DB-12	7.5	4-5
DB-16	15	5-6
DB-20	26	7-8

WARNING

THE HOUSING OF THE DRI BREATHER REACTIVATOR WILL GET EXTREMELY HOT DURING OPERATION. SURFACE TEMPERATURES MAY EXCEED 300°F.

THE REACTIVATOR SHOULD BE INSTALLED IN AN ISOLATED AREA, AWAY FROM PERSONNEL, AND GIVEN TIME TO COOL AFTER THE DRYING CYCLE.

The Kemp Company

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