

ReActrans

Protecting transformers from high humidity and water condensation



Caring for your oil quality

Specifications

Technical Key Features:

- Easy installation
- Compact design
- Intelligent control
- Minimal energy consumption
- Maintenance free
- All weather protection
- Telemetry option
- Up to 90000 litre oil capacity
- Maximum adsorbent efficiency
- Non condensation operation
- Self regenerating

Re-Actrans transformer breathers can provide virtually maintenance free continuous protection against moisture as the breather is able to self-reactivate by using the natural and environmental thermal cycle of the Transformer to trigger the reactivation of the desiccant and maintain a high adsorption capacity.

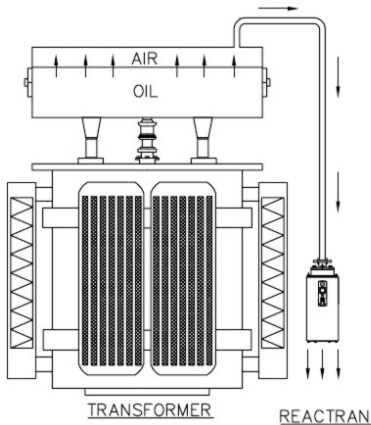
An outward flow of air results from the increasing temperature of the transformer, due to an ambient temperature change, solar heater or Transformer duty loading. In some circumstances all three of these stimulation effects will act collectively. An integral pressure switch detects a change in pressure caused by the outward air flow displacement, and powers the proportional control thermal heaters and power circuit to manage the reactivation process.



Specifications:

Material	mild steel with passivation and powder coating finish
Connection	BS10 Table D, 1" flange, includes 3/4" pipe thread.
IP Rating	65
Operating temperature	-40 C° to + 95 C°
Humidity	95% RH non condensing
Desiccant type	Non indicating Silica gel
Desiccant contents	Size 1 4 kilograms Size 2 8 kilograms
Desiccant capacity	at 30% RH 15% by weight
Reactivation control temperature	70°C to 80°C delta T
Saturation indicator	Humidity Indicator 4 level
Maximum pressure	2 psi
Air flow simulation rate	2 to 5 litres/min
Power consumption	BLE7010/01; 110v -230v 3.5 amps BLE7010/02; 110v -230v 7.0 amps

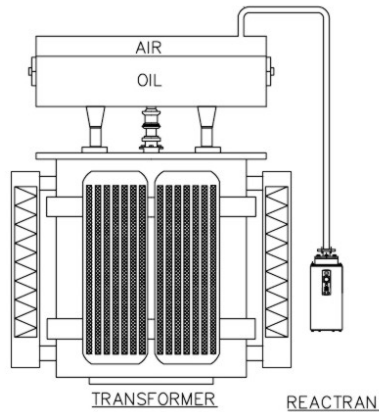
Dimensions & Power Specifications



STATE 1: TRANSFORMER HEATING UP – OPERATIONAL / SOLAR

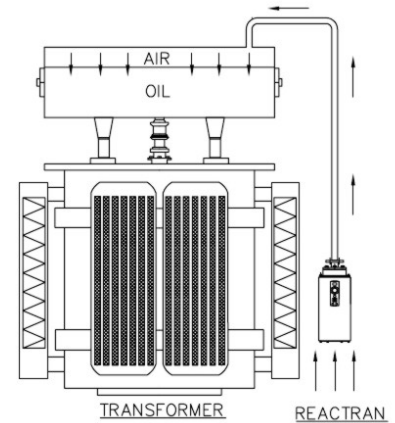
IN THIS STATE, THE HEATER OF THE TRANSFORMER BREATHER IS SWITCHED ON AND THE DESICCANT IS DESORBED TO AMBIENT.

CONSEQUENTLY, DESICCANT IS BEING RE-ACTIVATED.



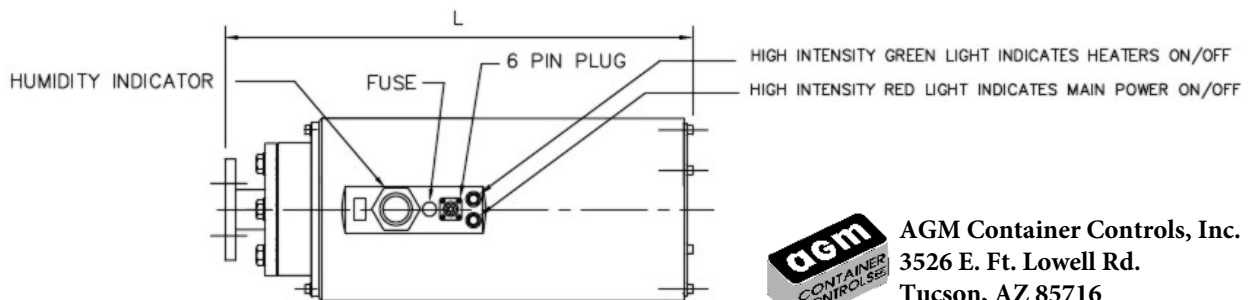
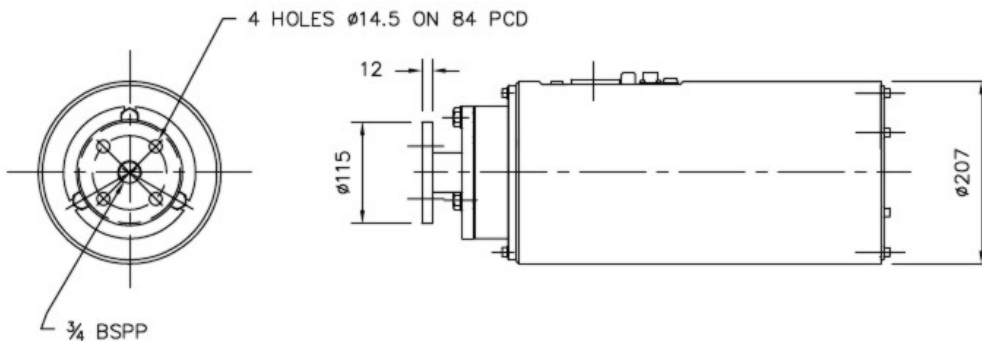
STATE 2: EQUILIBRIUM (NO FLOW)

IN THIS STATE, THE HEATER OF THE TRANSFORMER BREATHER IS SWITCHED OFF AND AFTER THE FIRST STATE, THE SYSTEM STABILIZES.



STATE 3: TRANSFORMER COOLING DOWN

IN THIS STATE, THE HEATER OF THE TRANSFORMER BREATHER IS SWITCHED OFF AND THE DESICCANT IS ADSORBING ANY INCOMING MOISTURE.



PART NUMBER	DIM L	DESICCANT CONTENT	VOLTAGE	POWER
BL/E7010/01	352	4 Kg (NOMINAL)	110-240V	224W-280W
BL/E7010/02	532	8 Kg (NOMINAL)	110-240V	336W-420W



AGM Container Controls, Inc.
 3526 E. Ft. Lowell Rd.
 Tucson, AZ 85716
 Tel: (520) 881-2130
 Fax: (520) 881-4983
 sales@agmcontainer.com
 www.agmcontainer.com