



VAPORGARD™ Lighting Fixtures VF Fluorescent Series

SAVE THESE INSTRUCTIONS
FOR FUTURE REFERENCE

IF1103

Installation & Maintenance Information

APPLICATION

The VF Series VAPORGARD™ fluorescent lighting fixtures are suitable for use in industrial locations, indoors or outdoors, where enclosed and gasketed fixtures are required. VF Series fixtures are for use with one or two "FBX", "PL", "FTT", or "DULUX-S" type single twin tube compact fluorescent lamp(s) with G23 base.

Available wattages for single lamp fixtures are 5, 7, or 9 watts and for two lamp fixtures are 10, 14, or 18 watts. Fixture input voltage is 120 VAC. The minimum starting temperature for 5W and 7W lamps is -18°C (0°F) and for 9W lamps it is -4°C (25°F). The maximum recommended ambient for all fixtures is 25°C (77°F).

INSTALLATION

WARNING

Electrical power must be **OFF** before and during installation and maintenance.

Fixture Bodies

Common mounting configurations can be assembled from a few basic components. VFA, VFC, and VFH fixture bodies are supplied complete with ballast/lampholder assembly. Each ballast/lampholder assembly consists of one or two ballasts and one or two lampholders assembled to a mounting plate and covered by a thermoplastic ballast cover. VFA and VFC fixture components mount directly into the conduit system. The VFH fixture housings are assembled to other VAPORGARD Series components such as VXF mounting boxes, VXB or VXT wall brackets, or VXA stanchion bodies. When used in conjunction with a globe they result in a complete fixture. Optional guards and reflectors are also available for the VF Series fixtures, see diagram A for proper selection.

Ballast/Lampholder Disassembly

The ballast/lampholder mounting plate is secured to the fixture body by means of two screws. Do not remove screws when wiring fixture. Loosen the two #8 round head screws enough to allow the ballast/lampholder mounting plate to be turned slightly and removed. Set aside for future use. (See Figure 1)

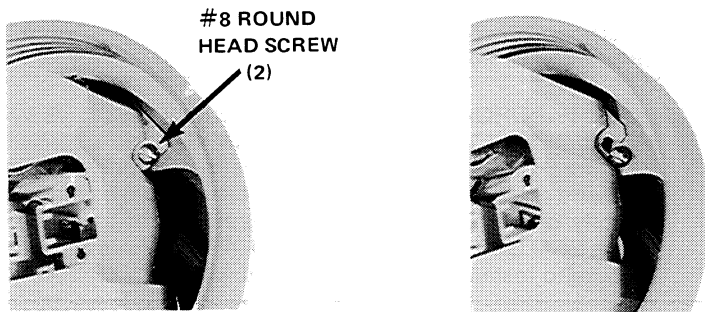


Figure 1

Installation of Bracket Bodies and Junction Boxes

The VXF or GRF junction box, VXT, VXA, and VXB bracket bodies are all furnished with two screws for mounting the VXH fixture body. The VXH fixture body has two keyhole slots. Loosen the screws enough to allow VXH fixture body to be mounted and then tighten screws securely. (See Figure 2)

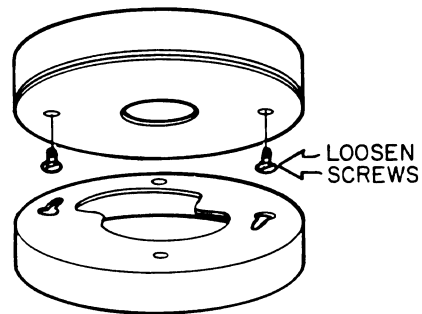
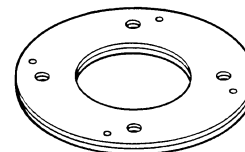


Figure 2

The VXB11 bracket body mounts directly on VXF or GRF junction boxes. Place the gasket between the bracket body and junction box and affix with four mounting screws (provided). Bracket body VXB10 mounts on a standard 4" outlet box (not provided) with an adapter plate and two gaskets. Place the gasket with four inboard holes onto 4" outlet box; place adapter plate over gasket and install with either four 8-32 or four 10-24 flat head screws (provided). Place gasket with four outboard holes over mounting plate. Align gasket over tapped holes in plate. Mount VXB body with four round head mounting screws (provided).



Adapter Plate

WIRING

All Vaporgard™ VF Series fluorescent lighting fixtures **MUST** be wired with a 75° C minimum rated wire from ballast/lampholder assembly to field wiring. Connect field wiring leads to fixture input lead of ballast/lampholder assembly (previously set aside). Attach green grounding wire to field ground.

WARNING

Use methods that comply with the NEC and any local codes when wiring.

WARNING

Use fixture only on grounded system. Make sure that supply voltage is the same as fixture voltage.

Ballast/Lampholder Reassembly

Reassemble the ballast/lampholder assembly to the fixture body by positioning the assembly so that the mounting plate slots are adjacent to the round head screws. Then turn the assembly clockwise until the mounting plate is securely in place under the two screws and tighten the two round head screws. Make sure that all wires are safely above the assembly before tightening the screws.

Install lamps as specified on nameplate.

P21 Guard

The guard is designed to be combined with the globe for simultaneous attachment to or removal from fixture body. Thread segments are of unequal length to insure proper globe and guard thread continuity (polarization) upon assembly.

To assemble, align correctly, then push globe and guard together securely behind mating lugs on globe. The clips that are attached to the guard help secure the guard to the globe. Globe can be pushed out of guard easily for cleaning. Remove globe and guard as a unit when relamping. (See Figure 3)

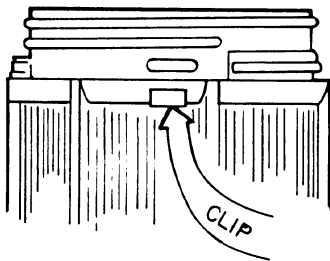


Figure 3

All Reflectors

Dome and 30 degree angle reflectors are equipped with adapter ring for mounting to fixture. Loosen the three (3) attachment screws in the adapter ring and place reflector assembly on the fixture body flange. Securely tighten the three (3) attachment screws. (See Figure 4)

To remove, loosen attachment screws to clear body flange. Lower reflector down and away from fixture.

It is not necessary to move reflector for relamping.

NOTE: The RD71 dome reflector can not be used with the wall mounted or angle stanchion mount fixture.

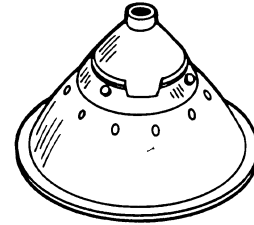


Figure 4
Fixture w/reflector

Relamping

1. Shut off power to the fixture.
2. Remove globe for access to the lamp.
3. Replace lamp with an identical type lamp as marked on the fixture nameplate.
4. Replace globe.

MAINTENANCE

WARNING

Always disconnect primary power source before opening fixture for inspection or service.

To insure continued lighting performance the globe and reflector should be cleaned periodically. The time period between cleanings will depend on local conditions. To clean, wipe reflector and then globe with a clean damp, soft cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7.

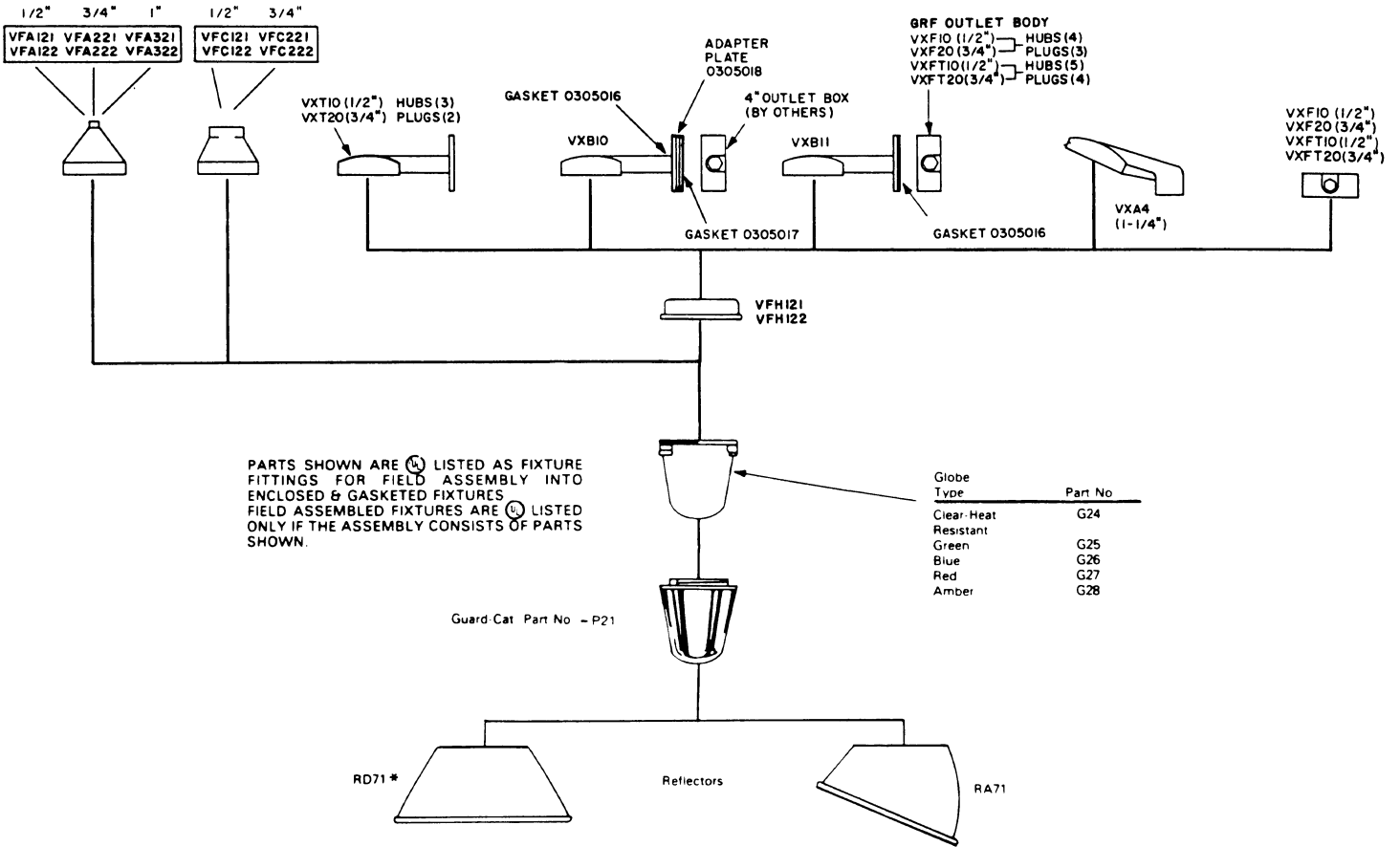
During cleaning check lamps and screws to make certain they are properly tightened.

CAUTION

Do not use abrasive, strong alkaline, or acid cleaners. Use only clean soft cloths. Damage to reflector and globe may result

NOTE: If at any time during installation, use or maintenance a defect in this equipment is suspected discontinue use and contact a Crouse-Hinds representative. Any action to continue use, modify or correct such equipment prior to approval by Crouse-Hinds shall void all warranties, implied and expressed.

UL FIXTURE FITTING DIAGRAM A FLUORESCENT LIGHTING FIXTURES



* RD71 DOME REFLECTOR CAN NOT BE USED WITH THE WALL MOUNT OR STANCHION MOUNT FIXTURES.



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