

JACKEL™

Trusted Since 1972

The Original Radon / Sump Dome™

Model: SMR16101



Made in the USA



The Original Radon / Sump Dome™ was invented to serve two pressing needs; the need for a universal gas-tight cover to serve the emerging radon mitigation market and the need for a cover to retrofit failing sump and sewage basin covers.

The Original Radon / Sump Dome™ is designed to cover an existing basin, providing a new heavy duty cover to seal the basin against odors and radon gas and to provide adequate safety. There is no reason to dig up your basement or garage floor to remove the existing sump or sewage basin. Simply remove old cover and install The Original Radon / Sump Dome™ over the opening, to create a new, completely sealed system.

Specifications

- **Material:** Polyethylene Structural Foam
- **Seal:** Flexible Polyvinyl Chloride (PVC)
- **Fittings:** Acrylonitrile Butadiene Styrene (ABS) and Polyvinyl Chloride (PVC) thermoplastic
- **Washers and Bolts:** 301 Stainless Steel
- **Fasteners:** 301 Stainless Steel

Features and Benefits

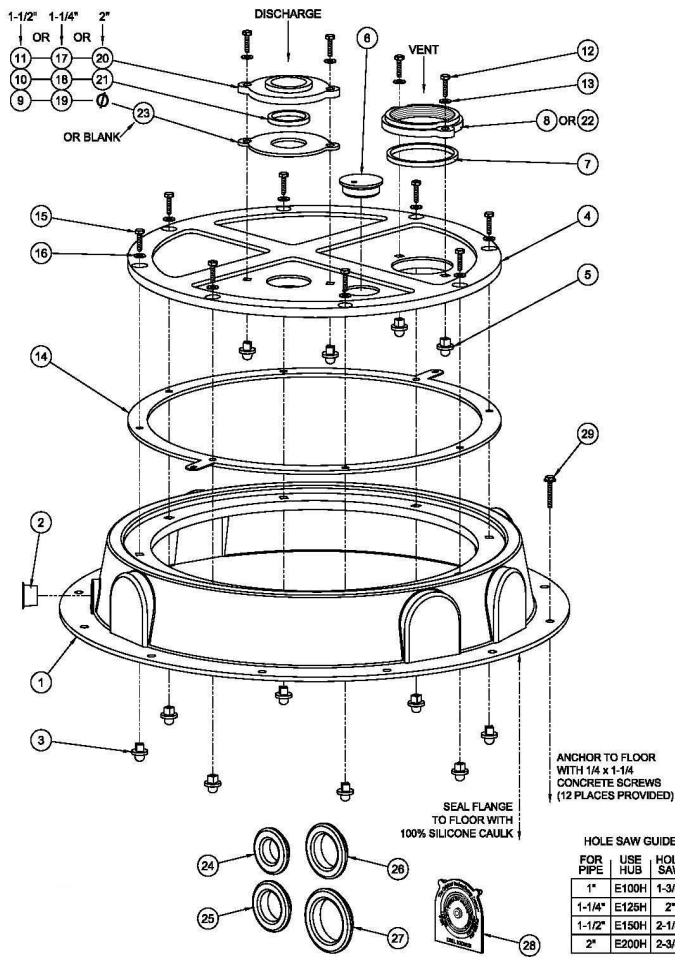
- Passive radon mitigation
- Retro fit/repair old, failing sump or sewage basin covers
- Universal, fits over all installed basins
- Improve safety; children and pets
- Property transfers and rentals
- Eliminates odors, gas-tight seal
- Easy to install
- Top discharge and vent
- Easily supports 1,000 lbs.
- Heavy duty injection molded structural foam construction
- Comes with the Jackel SF16101 T-Top™ structural foam solid cover, 8-bolt
- 1-1/2" pump discharge flange, slip connection, ABS
- 3" vent flange, threaded connection, ABS
- Weight: 15 lbs.
- Available with our SF16101B or SF114 covers

Dimensions



The Original Radon / Sump Dome™

Parts List



Item	Qty.	Description
1	1	Dome Riser
2	1	Drain Plug
3	8	14-20 Nylon Enclosed Nut
4	1	SF16101 2" x 3" Cover
5	4	14-20 Nylon Enclosed Nut
6	1	Cord Grommet, 2"
7	1	Discharge and Vent O-ring, 3"
8	1	3" Plastic Vent Threaded Flange
9	1	Reducer Plate 1.5"
10	1	Discharge O-ring, 1.5"
11	1	1.5" Plastic Discharge Flange
12	4	1/4-20 x 1 HHC-SS
13	4	1/4" Flat Washer SS
14	1	Seal 18-8
15	8	1/4-20 x 1 HHC-SS
16	8	1/4" Flat Washer SS
17	1	1.25" Plastic Discharge Flange
18	1	Discharge O-ring, 1.25"
19	1	Reducer Plate 1.25"
20	1	2" Plastic Discharge Flange
21	1	Discharge O-ring, 2"
22	1	2" Plastic Threaded Vent Flange
23	1	Reducer Plate, Blank
24	1	E100H Rubber Hub for 1" Pipe
25	1	E125H Rubber Hub for 1-1/4" Pipe
26	1	E150H Rubber Hub for 1-1/2" Pipe
27	1	E200H Rubber Hub for 2" Pipe
28	1	Drill Locator
29		1/4 x 1-1/4 Concrete Screws (user supplied, not included)

User Supplied Materials: PVC pipe and fittings to reconnect plumbing, PVC saw, PVC primer and cement, 1/4" x 1-1/4" concrete screws, 3/16" inch masonry drill bit, 5/16" socket wrench (for concrete screws), electric drill, one cartridge of 100% silicone caulk (10 oz.), caulking gun and a 7/16" socket wrench (for cover bolts). A vent fan and piping for an active sump pit depressurization system.

Installation Guidelines

The Dome comes pre-assembled (items 1 and 3). The cover is pre-assembled (items 4-16) in a 1-1/2" discharge and 3" vent configuration. If this does not suit your installation, reconfigure the cover using the optional parts provided (items 17-28).

1. Disconnect the pump's plumbing and electrical connections allowing for reconnection after the Dome and cover are installed.
2. Ensure that the installation floor is clean and smooth. Repair any holes or cracks.
3. Place the Dome and cover in the desired position on the floor making sure the cover's discharge opening is aligned with the sump's discharge pipe and the cover bolts (item 15) are aligned with the Dome's threaded inserts.
4. Mark the concrete anchor locations and set the Dome and cover aside.
5. Drill holes at these locations for the concrete screws according to the screw manufacturer's recommendations.
6. Apply the entire cartridge of silicone caulk to the underside of the Dome's lower flange, return the Dome to the desired location and anchor to the floor (item 29). Install drain plug (item 2).
7. Install the cover on the Dome, using the openings provided to make the necessary discharge and electrical connections.
8. Vent the system pursuant to the local plumbing codes and accepted plumbing practices.
9. Additional openings may be made in the Dome utilizing the bosses and sealing hubs (items 24-27) provided. Use the Drill Locator (item 28) and the hole saw guide for hub installation.

© 2019 Jackel, Inc.