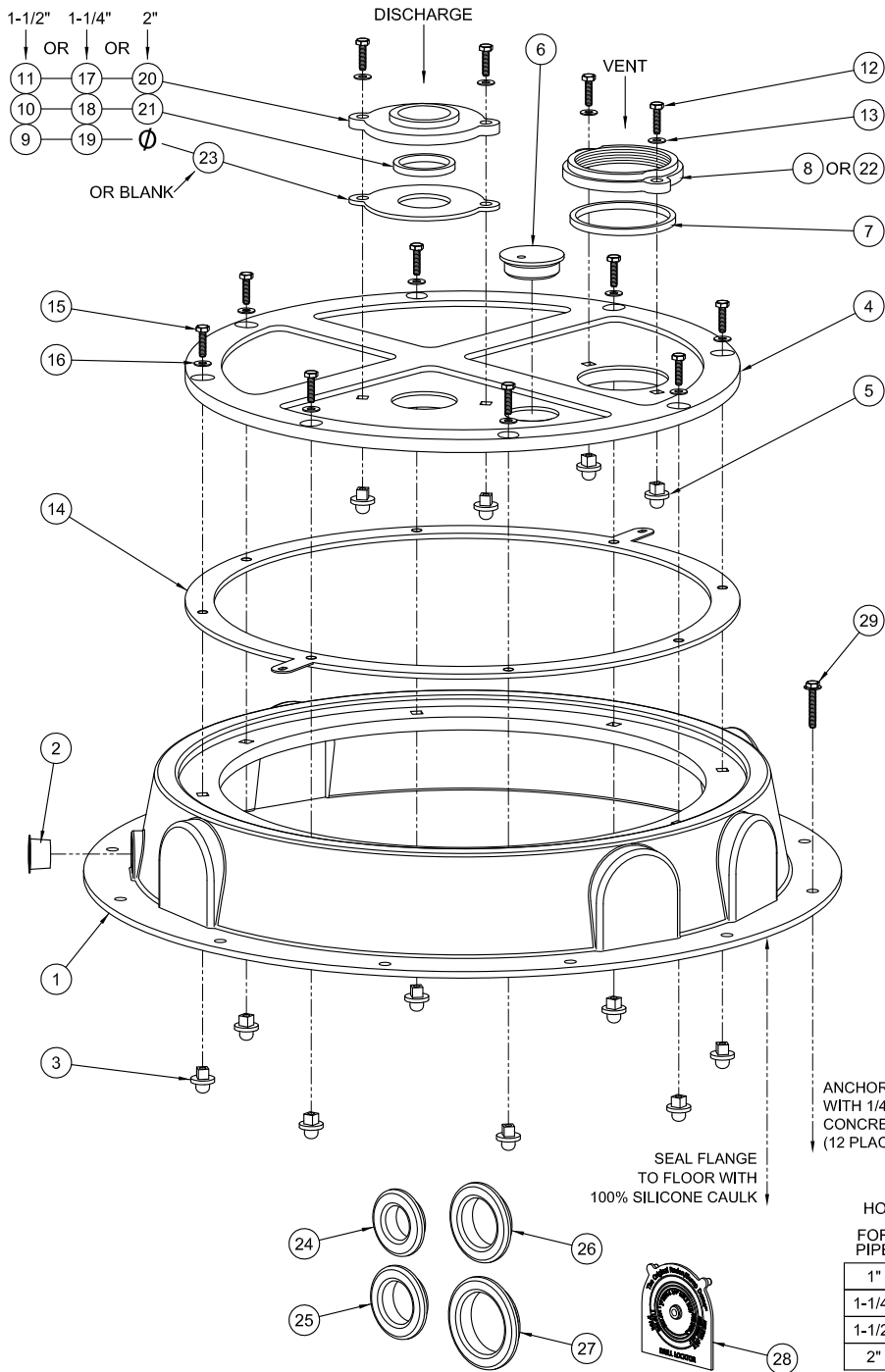


The Original Radon/Sump Dome™ Installation Guidelines



The Original Radon/Sump Dome™ ("the Dome") provides the versatility of design to accommodate all gas-tight sump cover vent, discharge and inlet requirements in any radon mitigation sump pit depressurization system and for sump pit odor control. The Dome is designed for easy installation; however sump systems can vary due to local conditions and plumbing codes. Keep in mind that you will disconnect and reconnect your system's plumbing and electrical connections. If you are uncertain of any aspects of your particular installation, contact a plumbing contractor or radon remediation expert.

User Supplied Materials

- ✓ PVC pipe and fittings to reconnect plumbing
- ✓ PVC saw
- ✓ PVC primer and adhesive
- ✓ 1/4 x 1-1/4" concrete screws
- ✓ 3/16" dia. masonry drill bit
- ✓ 5/16" socket wrench (for concrete screws)
- ✓ Electric drill
- ✓ 1 cartridge of 100% silicone caulk (~10 oz.)
- ✓ Caulking gun
- ✓ 7/16" socket wrench (for cover bolts)
- ✓ A vent fan and piping is required for an active sump pit depressurization system.
- ✓ Now would be a good time to replace the check valve in the discharge line.

Installation

The Dome comes pre-assembled (items 1-3). 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 sump's plumbing and electrical connections allowing for reconnection after the Dome and cover are installed.
- 2) Ensure the installation floor area is clean and smooth. Repair any holes or cracks.
- 3) Place the Dome with cover in 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 (item 3).
- 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 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).
- 7) Install the cover on the Dome, using the openings provided to make the necessary discharge and electrical connections.
- 8) Vent the system as required pursuant to 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 hole saw guide for hub installation.

PSU1015 - PARTS LIST

ITEM	QTY	DESCRIPTION	ITEM	QTY	DESCRIPTION
1	1	Dome Riser	16	8	1/4" Flat Washer SS
2	1	Drain Plug	17	1	1.25" Plastic Discharge Flange
3	8	1/4-20 Nylon Enclosed Nut	18	1	Discharge Oring 1.25
4	1	SF16101 2x3 Cover	19	1	Reducer Plate 1.25
5	4	1/4-20 Nylon Enclosed Nut	20	1	2" Plastic Discharge Flange
6	1	One Hole Cord Grommet 2"	21	1	Discharge Oring 2"
7	1	Discharge and Vent Oring 3"	22	1	2" Plastic Threaded Vent Flange
8	1	3" Plastic Vent Threaded Flange	23	1	Reducer Plate Blank
9	1	Reducer Plate 1.5	24	1	E100H Rubber Hub for 1" Pipe
10	1	Discharge Oring 1.5"	25	1	E125H Rubber Hub for 1-1/4" Pipe
11	1	1.5" Plastic Discharge Flange	26	1	E150H Rubber Hub for 1-1/2" Pipe
12	4	1/4-20 x 1 HHC-SS	27	1	E200H Rubber Hub for 2" Pipe
13	4	1/4" Flat Washer SS	28	1	Drill Locator
14	1	SEAL 18-8	29	1	1/4 x 1-1/4 Concrete Screws (user supplied)
15	8	1/4-20 x 1 HHC-SS			