

IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS SAVE THESE INSTRUCTIONS



⚠ WARNING

IMPROPER INSTALLATION OR USE OF THIS PRODUCT MAY PRESENT A RISK OF HAIR OR BODY ENTRAPMENT AND DROWNING. Install this equipment in accordance with the instructions provided. Use only with the components and mounting hardware provided. FAILURE TO FOLLOW THESE INSTRUCTIONS AND/OR USE WITH COMPONENTS NOT PROVIDED BY PENTAIR POOL PRODUCTS AND INTENDED TO BE USED WITH THIS PRODUCT MAY RESULT IN IMPROPER POSITIONING OR FUNCTIONING OF DRAIN COVER AND MAY CAUSE SEVERE PERSONAL INJURY OR DEATH.

⚠ WARNING

Use these fittings only with a pumping system rated for the corresponding flow or less for 2 inch plumbing on Chart 1. FAILURE TO DO SO CAN RESULT IN HAIR OR BODY ENTRAPMENT WHICH CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. If in doubt about the rating of your system, consult a qualified pool or spa professional or call Pentair Pool Products at (800) 831-7133.

- I. The suction outlet to a swimming pool pump pulls a high vacuum. If pump is used with only one suction pipe, anyone blocking pump suction with hair or body will be trapped and held against the suction fitting. Disembowelment or drowning can result. To prevent entrapment, install at least two suction (outlet) fittings in pool. Separate these outlets by either of the following procedures.
 - A. Locate the outlets at least three (3) feet apart.
 - B. Locate the outlets in two different planes, (for example, one on the bottom and one on a vertical side wall, or on two separate vertical side walls). Use multiple suction sources to reduce risk of entrapment. Failure to maintain fittings and covers can lead to severe injury or death. Use of fittings when covers are broken, loose or missing can lead to severe injury or death.

If using 1½ in. plumbing, use the included thread reducer that comes with the sump. Consult your local building dept. for codes or ordinances that may apply.

II. Installation layouts

- A. See Figure 1 for installation layout with sump.
- B. See Figure 2 for installation layout without sump.

- III. For additional information on proper drain installation refer to National Spa and Pool Institute Standards ANSI/NSPI 1 through 6 and the US Consumer Product Safety Commission Guidelines for Entrapment Hazard Pub. No. 363-009801.

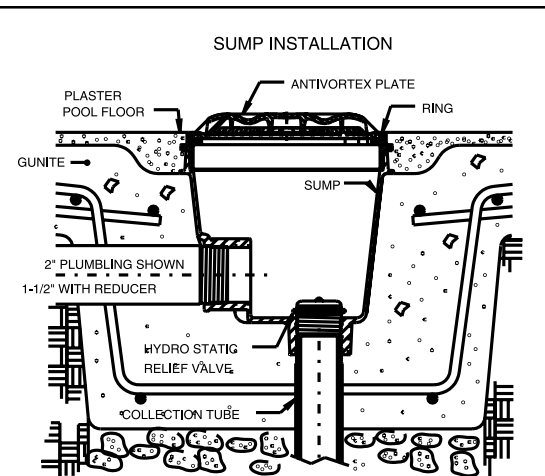


Figure 1.

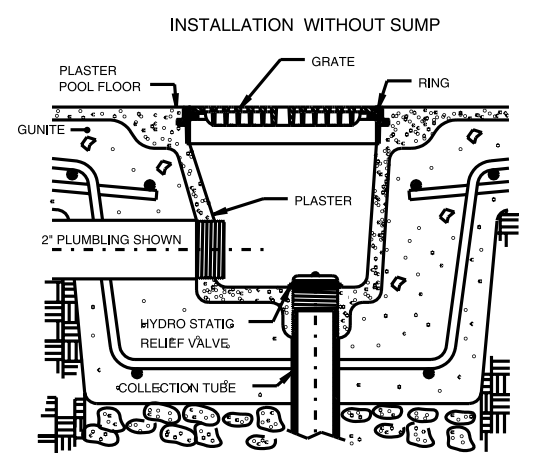
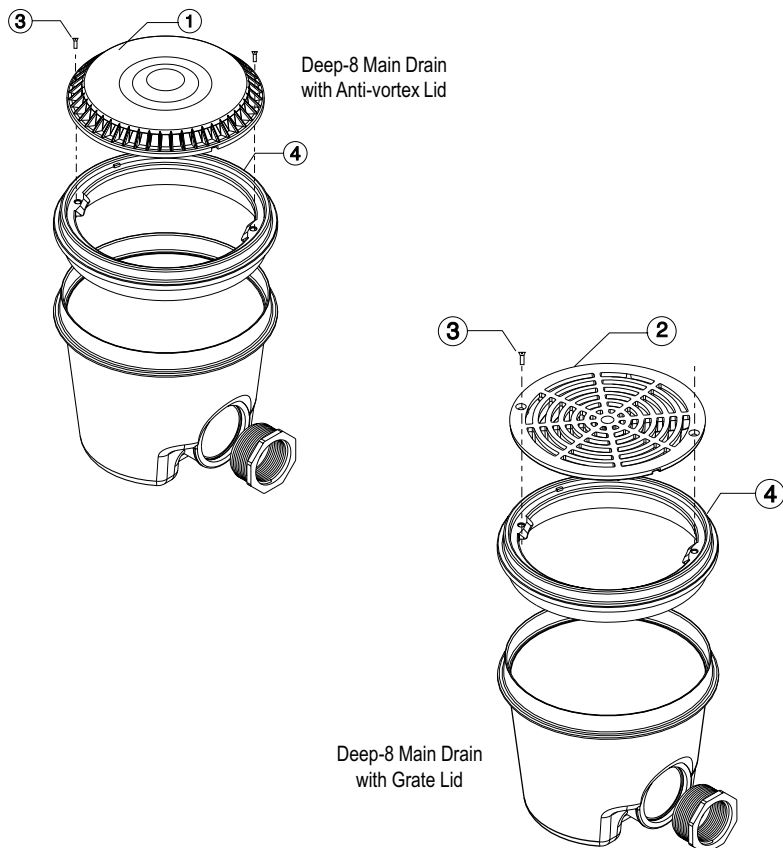
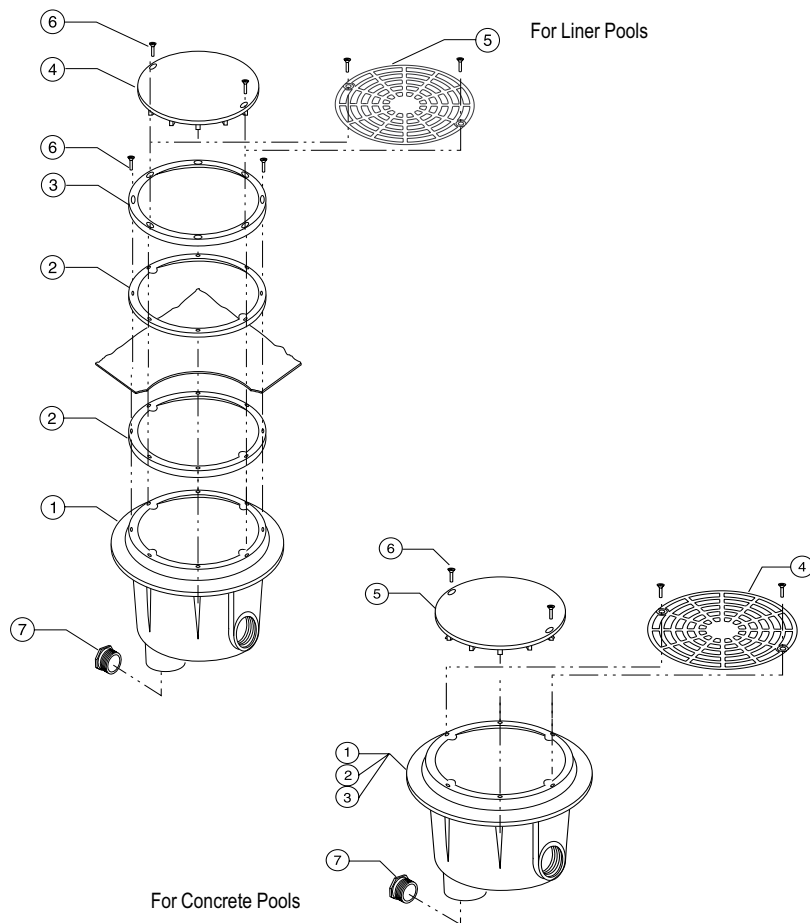


Figure 2.

⚠ WARNING

Never use a pool or spa that has a missing or broken drain cover. USING A POOL OR SPA WITH A MISSING OR BROKEN DRAIN COVER CAN RESULT IN HAIR OR BODY ENTRAPMENT WHICH CAN CAUSE SEVERE BODILY INJURY OR DEATH.

IV. Replacement Parts



MAIN DRAINS

Item No.	Part No.	Description
For Liner Pools		
1	87101700	Sump body, 1½ in. side/bottom
2	87102000	Sealing gasket, each
3	87101900	Vinyl / fiberglass sealing ring, white
4	87103400	Anti-vortex plate w/screws, white
5	87103300	Grate w/screws, white
6	98202900	Screw, seal 13-16 x 1 in. high-low, grate
6	98207200	Screw, seal 13-16 x 1 ¼ in., anti-vortex
7	51001900	Plug, 1½ in.
For Concrete Pools		
1	87102100	Sump body, 1½ in. side, 1 ½ in. bottom
2	87102200	Sump body, 2 in. side, 1½ in. bottom
3	87102300	Sump body, 2 in. side, 2 in. bottom
4	87103300	Grate w/screws, white
5	87103400	Anti-vortex plate w/screws, white
6	98202900	Screw, seal 13-16 x 1 in. high-low, grate
6	98207200	Screw, seal 13-16 x 1 in. high/low, anti-vortex
7	51001900	Plug, 1½ in.

CHART 1

Part No.	Open Area	Flow Rating
87103300	14.02 in ²	56 GPM
87103400	7.44 in ²	56 GPM
861054XX	8.02 in ²	80 GPM
861056XX	15.99 in ²	108 GPM

DEEP-8 MAIN DRAINS

Item No.	Part No.	Description
With Anti-vortex Lid		
1	86105400	White Anti-vortex cover, w/screws
1	86105411	Black Anti-vortex cover, w/screws
1	86105415	Dark Grey Anti-vortex cover, w/screws
1	86105465	Grey Anti-vortex cover, w/screws
With Grate Lid		
2	86105600	White Grate cover, w/screws
2	86105611	Black Grate cover, w/screws
2	86105615	Dark Grey Grate cover, w/screws
2	86105665	Grey Grate cover, w/screws
3	98213700	8-32 X ½ in. s/s
4	86105700	Ring only, 8 in., white
4	86105711	Ring only, 8 in., black
4	86105715	Ring only, 8 in., dk. grey
4	86105765	Ring only, 8 in., grey



Listed
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