

# Drainsafe® DS 12X12 P / H Install Sheet

Installation Manual and Warranty read these instructions completely prior to installing DS 12X12 P or H unit

**(P: Pentair or H: Hayward) Submerged Suction Fitting**

Be certain you understand the unit designation you are installing.

It is highly recommended this operation be performed by a licensed pool professional.

***DO NOT EXCEED SAFE FLOW RATE: 250 G.P.M. @ 1.5 F.P.S..***

**This product does not require winterization.**

**NOTE: This product can be used in multiple unit frames.**

**This is a retrofit product.**

The connecting pipe size with or without sump, not to exceed 3 inch.

This product may be installed in a vertical or horizontal format, text side up or facing installer.

**WARNING: Do not install on backrest or seat.**

Installation Tools Required: Dry install; Glue (PVC) or Wet Install; underwater epoxy, hand held Phillips head screw driver or required hand tool, awl, brush & dust pan.

*Keep these instructions for future reference*

## Parts List:

P unit: Drainsafe® DS 12X12 P cover; this installation manual and warranty

H unit: Drainsafe® DS 12X12 H cover; 4-1/4 X 11-5/8 inch strips DS 12X12 H (Hayward Frames Only), this installation manual and warranty

**NOTE: Insure all parts are included in packaging prior to installation!**

No screws or attachment fasteners included in this package. Use only OEM (screws) for attachment.

## WARNING: Do Not Use Power Tools!

1. Be certain pool pump motor(s) are off and secured. Perform this operation in a dry environment unless draining is not an option due to local codes/restrictions, environmental conditions or other extenuating circumstances.
2. Remove attachment screws, old drain cover (keep original screws as these will be used for reassembly).
3. Inspect existing pool sump for damaged screw inserts or debris in the openings. Clean all debris from screw inserts openings. If existing original screws are damaged, replace them with OEM screws available at a pool wholesale distributor. If frame is damaged, replace as per Manufacturers installation instructions.
4. Place the Drainsafe™ DS 12X12 P into existing frame, align screw holes and attach using original OEM screws. For Hayward (see below) install the 1/4 X 11-5/8 inch, install a dab of glue to bottom of strip or underwater epoxy, and install screws accordingly.
5. **DO NOT USE POWER TOOLS. HAND TIGHTEN ONLY, NOTE: DO NOT OVERTIGHTEN SCREWS!**  
**NOTE: It is imperative the DS 12X12 P or H Anti-Entrapment Cover is securely attached to the existing main drain frame via existing OEM screws.**

## Please Read the Following NOTES Carefully:

- ▶ **NOTE: Daily, prior to using any aquatic facility, inspection of secured fasteners and or for damage or tampered with suction fittings is required.**
- ▶ **NOTE: Do not exceed safe flow rate by increasing pump horsepower, follow manufactures recommendations.**
- ▶ **NOTE: Do not over tighten screws, this may damage the DS 12X12 or frame or cause the cover to rest on the pool drain sump in a warped manner.**
- ▶ **NOTE: Any and all broken or missing parts must be replaced prior to starting pool/spa motor.**
- ▶ **NOTE: Whether your installing the Drainsafe® DS 12X12 P or H on an existing Sta-Rite, Pac-Fab, Pentair or Hayward frame, be certain the surrounding area is level and has no space between the outer edges anti-entrapment cover and the pools liner or plaster. All surrounding areas must be smooth, level and flush to avoid an entrapment potential.**

**WARNING: KEEP CHILDREN AWAY FROM DRAINS, ALL DRAINS!**

Warning: Never operate pool without drain cover in place and properly affixed, Death or Serious Injury can result.

**NOTE: Drainsafe® Anti-Entrapment type cover must be replaced every 3 years.**

***Never Leave A Child Alone By Water... ANY WATER!***

# Part Number: DS 12X12 P or H Installation Sheet

*In singular application, Do Not Exceed Safe Flow Rate  
Posted on Part:250 G.P.M. @ 1.5 f.p.s.*

Follow local codes as per drain locations.  
Do not space drains more than 5 feet apart and no closer than three feet.  
Note: Keep these instructions for future reference.

## **WARNING:**

***DO NOT ALLOW CHILDREN TO: PLAY, SIT, STAND, SWIM OR INTERACT WITH MAIN DRAINS OR SUCTION OUTLETS, SERIOUS INJURY OR DEATH COULD RESULT.***

**NOTE:** This product can be used in multiple unit frames.

## **Drainsafe® DS 12X12 P Pac-Fab/Pentair frame:**

In order to make this process as secure as possible, please follow these instructions carefully.

1. The DS 12X12P that has cut-outs as to fit the Pentair 12X12 frame are installed in a downward fashion. The same side with the 3 holes drilled at each side fits the Hayward style 12X12 inch frame (SPACER INSERTS ARE INCLUDED), see below Hayward frame. Reinstall all four screws.
2. Reuse the original OEM screws to reattach the DS 12X12 P or H to the original frame.  
If existing frame screw ports are damaged or non-usable re-drill screw ports.  
Cut threads as per Original Equipment Manufacturers Instructions (OEM).  
**DO NOT OVER DRILL HOLE DEPTH OR DIAMETER.**
3. Be certain the holes are clean and free from debris prior to reinserting OEM screws. If the existing frame holes are damaged due to overuse or incorrect mounting of previous covers, pre-drill two new holes at each unused frame side, (hole dimensions: as per Pac-Fab/Pentair installation requirements). Insure existing screw holes are sound and will secure the Drainsafe® DS 12X12 P unit to existing frame. Reinstall all four screws.

## **Drainsafe® DS 12X12 H Hayward frame:**

Note: It is important to align and glue or epoxy the 1/4 inch inserts on to the Hayward frame prior to the installation of the DS 12 X12 H (INSERTS INCLUDED). Corners are mitered 45% for a secured fit. Install with mitered ends installed properly.

*All four strips are pre-drilled to fit.*

1. **Dry Environment:** With a dab of medium based PVC glue, place one 1/4" strip on the Hayward frame (with holes aligned) and press into place. Be sure to install the DS 12X12 with the 3 holed ends over the 2 pre-drilled holes in the Hayward Frame.
2. **Wet underwater environment:** with a small amount of underwater epoxy, place one 1/4" strip on the Hayward frame (with holes aligned) and press into place. Be sure to install the DS 12X12 with the holed ends over the 2 existing pre-drilled holes in the Hayward Frame, repeat on opposing side.
3. \* If the existing frame holes are damaged due to overuse or incorrect mounting of previous covers, pre-drill two new holes at each unused side following 1/4" strip install above, (hole dimensions: as per Hayward installation requirements). Insure existing screw holes are sound and will secure the Drainsafe® DS 12X12 H unit to existing frame. Reinstall all four screws.
  - If drilling is required: **DO NOT OVER DRILL HOLE DEPTH OR DIAMETER.**
  - Cut threads as per Original Equipment Manufacturers Instructions (OEM).

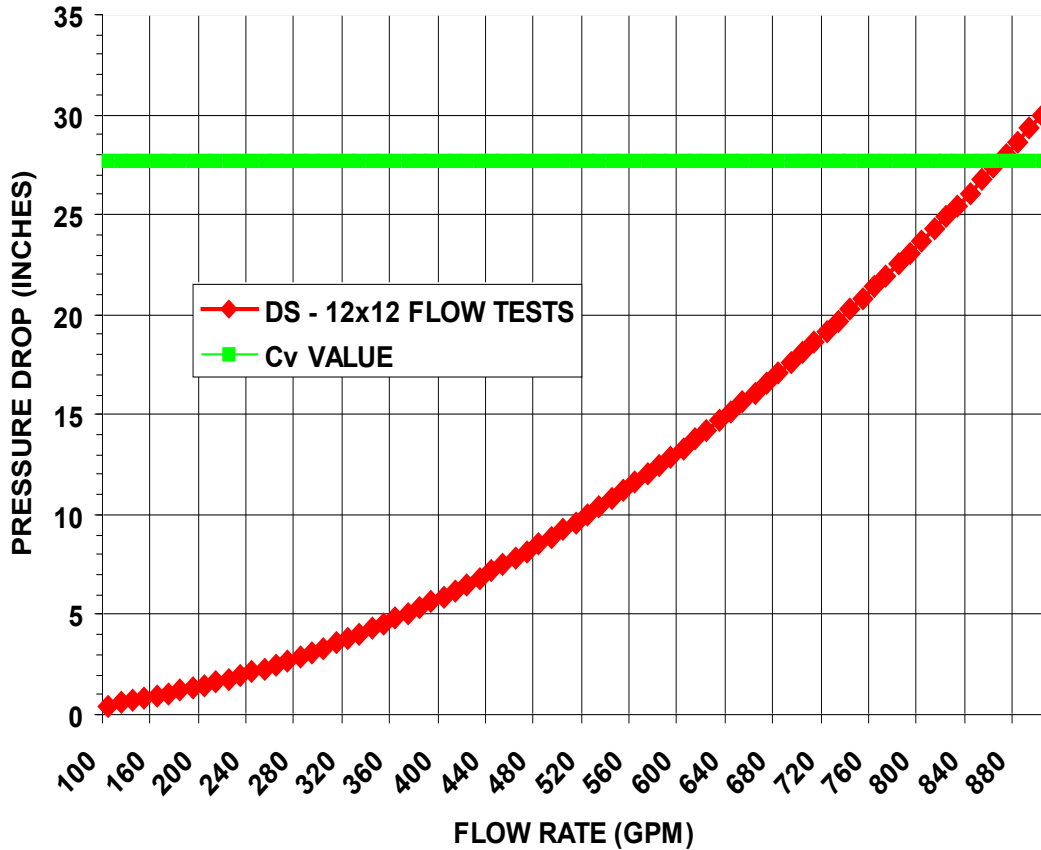
Upon final installation of DS 12X12 P or H, be certain to insure the DS 12X12 is fastened to the existing sump frame as well as, the frame is secured to the existing sump. If any parts of the DS 12X12 P or H are damaged, replace them immediately. Only use this product with the Pac-Fab/Pentair or Hayward required screws. Failure to do so will void the warranty and could result in serious injury or death. Reinstall all four screws. Do not over tighten screws as this may cause a crack or distortion in the DS 12X12 P or H part(s) and void the warranty. Failure to install the DS 12X12 P or H properly could result in serious injury or death. Follow all directions.

\* Reinstall all four screws.

***Never Leave A Child Alone By Water... ANY WATER!***

# DS 12x12 Flow Tests / Cv Value

Safe Flow Rate: 250 G.P.M. @ 1.5 f.p.s.



**THREE YEAR LIMITED WARRANTY:** Models DS 360/DS 360 M/DS 360 X/DS 12X12 P or H. This product is warranted to the original purchaser to be free from defects in material or workmanship. During the warranty period, under normal use the DS 360/DS 360 M/DS 360 X/DS 12X12 P or H will be replaced (proof of purchase required) upon our option providing the DS 360/DS 360 M/DS 360 X was properly installed as per manufacturers instructions. This warranty is void and shall not apply if the DS 360/DS 360 M/DS 360 X/DS 12X12 P or H has been altered or installed with other products outside of New Water Solutions, Inc. manufacturing. This product is warranted for a period of: 3 years from date of purchase. Use supplied hardware or equivalent as per instructions. New Water Solutions, Inc. will not be held liable or responsible for costs, damages, or loss resulting directly or indirectly from misuse of this product: DS 360/DS 360 M/DS 360 X/DS 12X12 P or H based on warranty, contract negligence, or strict liability.

**NOTE: Anti-Entrapment cover and adapter, must be replaced every 3 years.**

This Part(s) was installed on, location \_\_\_\_\_ pool/spa

Flow rate of system: \_\_\_\_\_ G.P.M. Model (part #): DS 12X12 P or H

\_\_\_\_\_  
Date

\_\_\_\_\_  
Installer/Company

**Warning: DO NOT ALLOW CHILDREN TO PLAY, SIT, STAND, SWIM OR INTERACT WITH MAIN DRAINS OR SUCTION OUTLETS, SERIOUS INJURY OR DEATH COULD RESULT.**

**Do Not Exceed Safe Flow Rate:250 G.P.M. @ 1.5 f.p.s.**

Models DS 360/DS 360 M/DS 360 X/DS 12X12 P or H. Anti-Entrapment Type Submerged Suction Outlet Cover  
 Manufactured by: New Water Solutions, Inc. P.O. BOX 360 Topton NC 28781  
 Any questions or suggestions: call 800-513-4372 or [www.drainsafe.com](http://www.drainsafe.com)