

# MAIN DRAIN AVR D



Product for Suction Outlet Fitting Only		Size	Total Open Area
<b>Model #3</b>	3" PVC Flanged AVR D	3"	9.00 sq. inch
<b>Model #4</b>	4" PVC Flanged AVR D	4"	16.40 sq. inch
<b>Model #6</b>	6" PVC Flanged AVR D	6"	35.41 sq. inch
<b>Model #8</b>	8" PVC Flanged AVR D	8"	55.35 sq. inch
<b>Model #10</b>	10" PVC Flanged AVR D	10"	87.31 sq. inch
<b>Model #12</b>	12" PVC Flanged AVR D	12"	124.39 sq. inch
<b>Model #4</b>	4" Stainless Steel Flanged AVR D	4"	16.27 sq. inch
<b>Model #6</b>	6" Stainless Steel Flanged AVR D	6"	35.88 sq. inch
<b>Model #8</b>	8" Stainless Steel Flanged AVR D	8"	55.62 sq. inch
<b>Model #10</b>	10" Stainless Steel Flanged AVR D	10"	88.91 sq. inch
<b>Model #12</b>	12" Stainless Steel Flanged AVR D	12"	143.15 sq. inch
<b>Model #14</b>	14" Stainless Steel Flanged AVR D	14"	150.45 sq. inch
<b>Model #4</b>	4" PVC Threaded AVR D	4"	26.32 sq. inch
<b>Model #6</b>	6" PVC Threaded AVR D	6"	35.92 sq. inch
<b>Model #8</b>	8" PVC Threaded AVR D	8"	58.08 sq. inch

**Gravity AVR D are Custom Designed**

Model #AVR D Paddock's (patent pending) Anti-Vortex Reduction Device can be retrofitted to the majority of the pools in the United States.

The Anti-Vortex Reduction Device (AVR D) lowers the suction outlet fitting elevation under the grate and brings the sump into compliance with the VGB 2008 field sump requirements. In addition the AVR D evenly distributes the flow through the grate into the sump allowing greater and safer flow rates.

This patent pending device will save consumers millions of dollars by eliminating the need to tear out their old non compliant main drain sumps and replace them with new main drain sumps that are in compliance with the new safety law.



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 Commitment. Innovation. Service.

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Patent Pending

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- J. SPECIFICATIONS: PADDOCK ANSI/APSP-16, REPLACING ASME A112.19.8-2007 / 8A.2008 COMPLIANT AND NSF CERTIFIED SWIMMING POOL SUCTION OUTLET FITTINGS**
- J.01 The *Swimming Pool Suction Outlet Fittings* shall be a velocity, vacuum entrapment, hair entanglement **ANTI-VORTEX REDUCTION DEVICE (AVRD)** which has been submitted under ANSI/APSP-16, replacing ASME A112.19.8-2007 / 8A.2008 for testing by NSF and found to be in compliance with this standard.
- J.02 The **SUCTION OUTLET FITTING**, both cover/grate and sump, shall be fabricated from 304 stainless steel. The outlet and outlet piping assembly shall be fabricated with stainless steel piping and designed so that the top of the suction outlet is a minimum distance of 1 ½ times the size of the pipe diameter, below the cover/grate.
- J.03 The open area of the suction outlet assembly shall be equal to or exceeds the open area of the outlet pipe of the suction outlet fitting.
- J.04 All grating fasteners in the assembly shall be 316L stainless steel Pan Head Phillips fasteners. All exposed security fasteners shall be inserted or removed with #2 Phillips Screwdriver with a maximum torque of 19.8 inch pounds. All fasteners shall be engaged by a minimum of three (3) threads.
- J.05 The velocity of water entering any orifice on the cover/grate of the fitting during normal operation shall not exceed 1.5 feet per second. To prevent finger or toe entrapment, orifice openings in the cover/grate shall not be over ¼ inch in width.
- J.06 The sumps must be designed by a registered professional engineer in accordance with mandatory Appendix II of ANSI/APSP-16, replacing ASME A112.19.8-2007 / 8A.2008.
- J.07 Definition of registered design professional – registered design professional shall be a certified architect or professional engineer duly licensed in the state the drain cover is installed.

**Patents: Paddock has patents pending on the product(s) which it manufactures depicted in this document.**

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**THIS SUCTION OUTLET FITTING IS DESIGNED FOR MULTIPLE USE ONLY**

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