

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: February 2010 -Rev. 6/30/2010- Void After: February 2011
Product: Suction Fittings File No. SP-4900
Issued To: Aquastar Pool Products, Inc.
1666 Garnet Ave. #224
San Diego, CA 92109

IDENTIFICATION: Fittings shall be permanently marked as follows in a manner so as to be visible after installation in the following sequence (1) The statement "For Single or Multiple Drain Use Only", "For Single Drain Use", or "For Multiple Drain Use only"; (2) Maximum flow rate; (3) Type of fitting; (4) Life of the fitting in years; (5) Installation position; (6) Manufacturers name or registered trademark; (7) Model designation, and the USPC® certification mark.

CHARACTERISTICS: The assembly is comprised of safety cover (brass, stainless steel, or plastic) drain ring and security screws. The cover must require the use of a tool to remove it. May or may not be self-draining. For use in swimming pools, spas, whirlpool bath tubs and hot tubs. To be installed in accordance with the manufacturer's instructions and the latest edition of the USPC®.

Products comply with the applicable sections of the latest edition of the Uniform Swimming Pool, Spa and Hot Tub Code®. Manufactured in compliance with ASME A112.19.8-2007 and ASME A112.19.8a-2008 and NSF 50-2008.


Chairman, Product Certification Committee


Senior Director of R&T

For the most accurate and updated information please visit <http://pld.iapmo.org/SP-4900>

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.



DOC#081A



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Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.



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MODELS:

Models preceded by a "*" indicates the model is in compliance with Standard NSF 50.

*A8xxx (Floor: 145 GPM, Wall: 84 GPM)

*10AV-XXX (Floor: 206 GPM, Wall: 96 GPM)
*10AVDDSBxxx (Floor: 206 GPM, Wall: 96 GPM)
*10AVDDACSBxxx (Floor: 206 GPM, Wall: 96 GPM)
*10AVDDSBVxxx (Floor: 206 GPM, Wall: 96 GPM)
*10AVRCFRxxx (Floor: 206 GPM, Wall: 96 GPM)

*1216-XXX (Floor: 460 GPM, Wall: 445 GPM)
*R1216-XXX (Floor: 460 GPM, Wall: 445 GPM)
*24XXX (Floor: 1531 GPM, Wall: 1531 GPM)

*32CAV-XXX (Floor: 236 GPM, Wall: 136 GPM)
*32CAVFR-XXX (Floor: 236 GPM, Wall: 136 GPM)
*32CAVV-XXX (Floor: 236 GPM, Wall: 136 GPM)
*32CAVAC-XXX (Floor: 236 GPM, Wall: 136 GPM)

*32CDFL-XXX (Floor: 316 GPM, Wall: 208 GPM)
*32CDFLFR-XXX (Floor: 316 GPM, Wall: 208 GPM)
*32CDFLV-XXX (Floor: 316 GPM, Wall: 208 GPM)
*32CDFLAC-XXX (Floor: 316 GPM, Wall: 208 GPM)

*32CDLTxxx (Floor: 196 gpm, Wall: 192 gpm)
*32CDLTFRxxx (Floor: 196 gpm, Wall: 192 gpm)
*32CDBTxxx (Floor: 120gpm)
*32CDBTFRxxx (Floor: 120gpm)

*4RNDxxx (Floor: 90 GPM, Wall: 72 GPM)
*4HPxxx (Floor: 56 GPM, Wall: 56 GPM)

*Sun 9xxx (Floor: 212 GPM, Wall: 128 GPM)
*Sun 12xxx (Floor: 280 GPM, Wall: 280 GPM)
*Sun 18xxx (Floor: 405 GPM, Wall: 405 GPM)

*8AVxxx (Floor: 88 GPM, Wall: 70 GPM)
*8AVSBxxx (Floor: 88 GPM, Wall: 70 GPM)
*8AVSBVxxx (Floor: 88 GPM, Wall: 70 GPM)
*8AVSBACxxx (Floor: 88 GPM, Wall: 70 GPM)
*8AVMHxxx (Floor: 88 GPM, Wall: 70 GPM)
*8SBXXX (Floor: 88 GPM, Wall: 70 GPM)
*8SBACXXX (Floor: 88 GPM, Wall: 70 GPM)
*8SBVXXX (Floor: 88 GPM, Wall: 70 GPM)

*LPRFS9xxx (Floor: 100 GPM, Wall: 70 GPM)



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*LP8SBXXX (Floor: 100 GPM, Wall: 70 GPM)
*LP8SBACXXX (Floor: 100 GPM, Wall: 70 GPM)
*LP8SBVXXX (Floor: 100 GPM, Wall: 70 GPM)
*LP8AVMHxxx (Floor: 100 GPM, Wall: 70 GPM)
*LP8AVxxx (Floor: 100 GPM, Wall: 70 GPM)
*LP8CCMHxxx (Floor: 100 GPM, Wall: 70 GPM)
*LP8MHxxx (Floor: 100 GPM, Wall: 70 GPM)

*8CCMHxxx (Floor: 104 GPM, Wall: 76 GPM)
*8CCDDMHxxx (Floor: 104 GPM, Wall: 76 GPM)
*8CCPMHxxx (Floor: 104 GPM, Wall: 76 GPM)
*8MHxxx (Floor: 104 GPM, Wall: 76 GPM)

*RLP8AVxxx (Floor: 100 GPM, Wall: 70 GPM)
*RWAV9XXX (Floor: 224 GPM, Wall: 224 GPM)
*RWAV12XXX (Floor: 361 GPM, Wall: 361 GPM)
*R8HPxxx (1-1/2") (Floor: 177 GPM, Wall: 122 GPM) 6HPxxx retrofit without a mud ring
*8HPxxx (1-1/2") (Floor: 177 GPM, Wall: 122 GPM) 6HPxxx with 8" mud ring
*R8HPxxx (2") (Floor: 224 GPM, Wall: 224 GPM) 6HPxxx retrofit without a mud ring
*8HPxxx (2") (Floor: 224 GPM, Wall: 224 GPM) 6HPxxx with 8" mud ring

*WAV9XXX (Floor: 224 GPM, Wall: 224 GPM)
*WAV12XXX (Floor: 361 GPM, Wall: 361 GPM)
*WAV12DDSBXXX (Floor: 361 GPM, Wall: 361 GPM)
*WAV12DSBVXXX (Floor: 361 GPM, Wall: 361 GPM)
*WAV18xxx (Floor: 628 GPM, Wall: 628 GPM)
*WAV24XXX (Floor: 1,444 GPM, Wall: 1,444 GPM)

*8CCxxx (Floor: 104 GPM, Wall: 76 GPM)
*8CC100 (Floor: 104 GPM, Wall: 76 GPM)
*8CCSBXXX (Floor: 104 GPM, Wall: 76 GPM)
*8CCSBACXXX (Floor: 104 GPM, Wall: 76 GPM)
*8CCSBVXXX (Floor: 104 GPM, Wall: 76 GPM)

*6HPxxx (1-1/2") (Floor: 177 GPM, Wall: 122 GPM)
*6HPxxx (2") (Floor: 224 GPM, Wall: 224 GPM)

*914xxx (Floor: 560 gpm, Wall: 300 gpm)
*R914xxx (Floor: 560 gpm, Wall: 300 gpm)

*RFS9xxx (Floor: 88 gpm, Wall: 70 gpm)
*RFS12xxx (Floor: 206 gpm, Wall: 96 gpm)

*FGSB.RFS9xxx (1-5; S-SSSSS)
*FGSB.LPRFS9xxx (1-5; S-SSSSS)
*FGSB.RFS12xxx (1-5; S-SSSSS)
*FGSB.WAV9xxx (1-5; S-SSSSS)
*FGSB.WAV12xxx (1-5; S-SSSSS)



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*FGSB.WAV18xxx (1-4; S-SSSSS)
*FGSB.WAV18xxx.186B (1-4; S-SSSSS)
*FGSB.WAV18xxx.188B (1-4; S-SSSSS)
*FGSB.WAV24xxx (1-5; S-SSSSS)
*FGSB.WAV24xxx.B10 (1-5; S-SSSSS)
*FGSB.WAV24xxx.BI2 (1-5; S-SSSSS)
*FGSB.32CDFLFRxxx (1-5; S-SSSSS)
*FGSB.24xxx (1-5; S-SSSSS)
*FGSR24xxx.B (1.5; S-SSSSS)

*P9xxx 9"x9" Grate & Frame (Floor: 270 GPM, Wall: 270 GPM)
*P9DDSBxxx 9"x9" Grate & Frame w/Dual Port Sump (Floor: 270 GPM, Wall: 270 GPM)
*P12xxx 12"x12" Grate & Frame (Floor: 360 GPM, Wall: 360 GPM)
*P12DDSBxxx 12" x12" Grate & Frame w/Dual Port Sump (Floor: 360 GPM, Wall: 360 GPM)
*P18xxx 18"x18" (Qty = 4) 9" x 9" Grate & Frame (Floor: 740 GPM, Wall: 740 GPM)
*P9DDSB4SOCxxx 9"x9" Grate & Frame w/Single 4" Port Sump
(Floor: 270 GPM, Wall: 270 GPM)
*P9SBFGxxx 9"x9" Grate & Frame w/Fiberglass 3" Port Sump
(Floor: 270 GPM, Wall: 270 GPM)
*P12DDSB4SOCxxx 12"x12" Grate & Frame w/Single 4" Port Sump
(Floor: 360 GPM, Wall: 360 GPM)
*P12DDSB6SOCxxx 12" x12" Grate & Frame w/Single 6" Port Sump
(White & Black) (Floor: 360 GPM, Wall: 360 GPM)
*P12SBFGxxx 12"x12" Grate & Frame w/Fiberglass 4" Port Sump
(Floor: 360 GPM, Wall: 360 GPM)
*P12SBFG6xxx 12"x12" Grate & Frame w/Fiberglass 6" Port Sump
(Floor: 360 GPM, Wall: 360 GPM)
*P18SBFGxxx 18"x18" (Qty = 4) 9" x 9" Grate & Frame w/Fiberglass 8" Port Sump
(Floor: 740 GPM, Wall: 740 GPM)
*P24xxx 24"x24" (Qty = 4) 12" x 12" Grate & Frame (Floor: 1,428 GPM, Wall: 1,428 GPM)
*P24SBFGxxx 24"x24" (Qty = 4) 12" x 12" Grate & Frame (Floor: 1,428 GPM, Wall: 1,428 GPM)

PIPE CODES:
(VALUE FOR S)

1" = 10
1.5" = 15
2" = 20
2.5" = 25
3" = 30
4" = 40
6" = 60
8" = 80
10" = 100
"1-5" = # of Ports

xxx = Color Code



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Suffixes:

XXX = 100 Clear
101 White
102 Black
103 Light Gray
104 Blue
105 Dark Gray
106 Bone
107 Taupe
108 Tan
109 Orange

Designer Series:

110 Green
111 Plum
112 Tahoe Blue
(S=Speckled Marbled or Variegated)
113-S-Black Marble
114-S-Midnight Blue
115-S-Turtle Bay
116-S-Tropical Breeze
117-S-Blue/White
118-S-Jade
119-S-Sedona Red
120-S-Moonlight Gray



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ADDITIONAL COMPANY INFO:

NESPA ENTERPRISES, INC.

NESPA.RD.8 (1-5; S-SSSSS)
NESPA.LPRD.8 (1-5; S-SSSSS)
NESPA.RD.10 (1-5; S-SSSSS)
NESPA.SQ.99 (1-5; S-SSSSS)
NESPA.SQ.12 (1-5; S-SSSSS)
NESPA.SQ.18 (1-4; S-SSSSS)
NESPA.SQ.186B (1-4; S-SSSSS)
NESPA.SQ.188B (1-4; S-SSSSS)
NESPA.SQ.24 (1-5; S-SSSSS)
NESPA.SQ.24BIO (1-5; S-SSSSS)
NESPA.SQ.24BI2 (1-5; S-SSSSS)
NESPA.SD.32 (1-5; S-SSSSS)
NESPA.FLSQ.24 (1-5; S-SSSSS)
NESPA.FLSQ.24B (1-5; S-SSSSS)

PIPE CODES:
(VALUE FOR S)

1" = 10
1.5" = 15
2" = 20
2.5" = 25
3" = 30
4" = 40
6" = 60
8" = 80
10" = 100

. "1-5" = # of Ports
. xxx = Color Code

PENTAIR WATER POOL & SPA

Model No.

*A8xxx (Floor: 145 GPM, Wall: 84 GPM)
*500400 9"x9" Grate & Frame (White) (Floor: 270 GPM, Wall: 270 GPM)
*500401 9"x9" Grate & Frame (Black) (Floor: 270 GPM, Wall: 270 GPM)
*500410 9"x9" Grate & Frame w/Dual Port Sump (White) (Floor: 270 GPM, Wall: 270 GPM)
*500411 9"x9" Grate & Frame w/Dual Port Sump (Black) (Floor: 270 GPM, Wall: 270 GPM)
*500420 9"x9" Grate & Frame w/Fiberglass 3" Port Sump (White) (Floor: 270 GPM, Wall: 270 GPM)
*500421 9"x9" Grate & Frame w/Fiberglass 3" Port Sump (Black) (Floor: 270 GPM, Wall: 270 GPM)
*500430 9"x9" Grate & Frame w/Single 4" Port Sump (White) (Floor: 270 GPM, Wall: 270 GPM)
*500431 9"x9" Grate & Frame w/Single 4" Port Sump (Black) (Floor: 270 GPM, Wall: 270 GPM)
*500500 12"x12" Grate & Frame (White) (Floor: 360 GPM, Wall: 360 GPM)



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- *500501 12"x12" Grate & Frame (Black) (Floor: 360 GPM, Wall: 360 GPM)
- *500510 12"x12" Grate & Frame w/Single 4" Port Sump (White) (Floor: 360 GPM, Wall: 360 GPM)
- *500511 12"x12" Grate & Frame w/Single 4" Port Sump (Black) (Floor: 360 GPM, Wall: 360 GPM)
- *500520 12"x12" Grate & Frame w/Fiberglass 4" Port Sump (White) (Floor: 360 GPM, Wall: 360 GPM)
- *500521 12"x12" Grate & Frame w/Fiberglass 4" Port Sump (Black) (Floor: 360 GPM, Wall: 360 GPM)
- *500530 12"x12" Grate & Frame w/Single 6" Port Sump (White) (Floor: 360 GPM, Wall: 360 GPM)
- *500531 12"x12" Grate & Frame w/Single 6" Port Sump (Black) (Floor: 360 GPM, Wall: 360 GPM)
- *500540 12" x12" Grate & Frame w/Fiberglass 6" Port Sump (White) (Floor: 360 GPM, Wall: 360 GPM)
- *500541 12" x12" Grate & Frame w/Fiberglass 6" Port Sump (Black) (Floor: 360 GPM, Wall: 360 GPM)
- *500600 18"x18" (Qty = 4) 9" x 9" Grate & Frame (White) (Floor: 740 GPM, Wall: 740 GPM)
- *500601 18" x18" (Qty = 4) 9" x 9" Grate & Frame (Black) (Floor: 740 GPM, Wall: 740 GPM)
- *500610 18"x18" (Qty = 4) 9" x 9" Grate & Frame w/Fiberglass 8" Port Sump (White) (Floor: 740 GPM, Wall: 740 GPM)
- *500611 18"x18" (Qty = 4) 9" x 9" Grate & Frame w/Fiberglass 8" Port Sump (Black) (Floor: 740 GPM, Wall: 740 GPM)
- *500700 24"x24" (Qty = 4) 12" x 12" Grate& Frame (White) (Floor: 1,428 GPM, Wall: 1,428 GPM)
- *500701 24"x24" (Qty = 4) 12" x 12" Grate& Frame (Black) (Floor: 1,428 GPM, Wall: 1,428 GPM)
- *500710 24"x24" (Qty = 4) 12" x 12" Grate& Frame (White) (Floor: 1,428 GPM, Wall: 1,428 GPM)
- *500711 24"x24" (Qty = 4) 12" x 12" Grate& Frame (Black) (Floor: 1,428 GPM, Wall: 1,428 GPM)