HARNETT COUNTY PLAN REVIEW APPLICATION SWIMMING POOLS

Review for Compliance with NC Rules Governing the Public Swimming Pools (15A NCAC 18A .2500)

All items are to be submitted through the Central Permitting Office at 420 McKinney Pkwy., Lillington, NC 27546 or by mail at PO Box 65, Lillington, NC 27546. You may contact the Central Permitting Office at 910-893-7525, Ext. 2. However, please contact our office with questions regarding the contents of this application.

A plan review fee of \$300.00 must be paid when plans are submitted.

Two set of plans must be submitted with the following supporting documentation:

If you have questions, please contact a Registered Environmental Health Specialist at 910-893-7547.

✓ Plans must show pool, deck, fencing, and any other appurtenant buildings. V Plans must include drawings showing the placement of equipment in the facility, including any equipment rooms, chemical storage rooms, toilets and bathing facilities, dressing rooms, along with plumbing, electrical, and mechanical and lighting details. ✓ Piping schematic showing piping, pipe size, inlets, main drains, skimmers, gutter outlets, vacuum fittings and all other appurtenances connected to the pool piping system. Specifications of all treatment equipment used and their layout in the equipment room, include equipment cut sheets. ✓ Plans must include a site plan locating exterior equipment such as dumpsters or compactors, and indicating the proposed connections to approved sewer and water connections and backwash water disposal. Plans shall be drawn to not less than one eight inch to the foot scale. A completed "Pool Drain Safety Compliance Data" Form Revised 4/1/2022 ✓ A \$300.00 Plan Review Fee

DO NOT REMOVE!

Details: Appointment of Lien Agent

Entry #: 2174990

Filed on: 06/21/2024 Initially filed by: dclugston

Designated Lien Agent

North American Title Insurance Company

Online: www.liensnc.com (http

Address: 223 S. West Street, Suite 900 /

Raleigh, NC 27603 Phone: 888-690-7384 Fax: 913-489-5231

Email: support@liensnc.com (mail)

Project Property

PIN: 0673-38-7017.000 28 Honeycutt Oaks Dr. Angier, NC 27501 Harnett County

Property Type

Other

Date of First Furnishing

07/31/2024

Owner Information

DR Horton 2000 Aerial Center Parkway Suite 110 Morrisville, NC 27560 **United States**

Email: bdragland@drhorton.com

Phone: 919-819-9864

Print & Post



Contractors:

Please post this notice on the Job Site.

Suppliers and Subcontractors:

Scan this image with your smart phone to view this filing. You can then file a Notice to Lien Agent for this project.

View Comments (0)

Technical Support Hotline: (888) 690-7384

Pool Drain Safety Compliance Data PERMIT CANNOT BE ISSUED IF FORM IS INCOMPLETE

A separate form is required for each pump including circulation, jet or feature.

	Name of Pool Honeycutt Oaks Amenity - Circulation
1.	Pump Flow Pump Manufacturer Pentair Model # XFET-20 Horsepower 5.1
	Maximum Pump Flow at highest speed FROM PUMP CURVE : 290 gpm. Pump use: Circulation / jet / feature (circle one)
	Has pump been serviced (disconnected from power for any reason) or changed out in last 12 months? YES / NO
	Flow meter manufacturer FLoVis Flow meter reading 210 GPM
2.	<u>Drain Sump Measurements</u> Is drain cover sumpless? YES/NO
	Sump manufacturer and model A.S.A. MFG (FBS-50-812-4) OR: Field built sump (circle if yes)
	Diameter of pipe entering sump 4 inches. Pipe enters through BOTTOM /SIDE of sump (Must circle one)
	Distance between highest point of outlet pipe and top edge of sump 10.5 inches. Sump dimensions 12x12x12
3.	Drain Cover Data – MUST BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS- Attach Instructions to form.
	Number of main drains on each pump 2 Distance between main drains (on centers) 4 feet 0 inches
	Cover/grate manufacturer AquaStar, model WAV12WR101, VGBA approval 2008 2017 (circle one)
	Flow rating from instructions: 450 gpm Cover(s) located on pool: Floor / wall (circle one)
	Date installed TBD Lifespan 5 Years EXPIRATION DATE TBD
4.	Equalizer Covers Number of operable skimmer equalizers Have the equalizers been permanently disabled? YES / NO
	Equalizer fitting Manufacturer, Model, Lifespan
	Bulkhead adaptor Manufacturer Model, Date Installed
	Diameter of equalizer pipe Cover is located on (circle where mounted): Floor / wall
	Equalizer fitting maximum flow ratinggpm.
	Date equalizer cover/grates installedEXPIRATION DATE:
5.	Safety Vacuum Release System (SVRS) –Safety Vacuum Release System manufacturer/model# - You will be required to demonstrate effectiveness during permitting inspection. Date last tested
6.	Vacuum Line Choose One No vacuum line in pool OR Protective cover on vacuum lines installed before May 1, 2010, OR Self-closing, self-latching cover designed to be opened with a tool on vacuum lines installed after May 1, 2010
	Full name of person providing this information Joey Davis Phone number: 828-712-6004
	Signature <u>Josy Davis</u> Date 06/20/2024

NCDHHS

Revised 4/1/2022 for immediate use.





KEY FEATURES

Cam and Ramp™ Lid

Makes inspection and cleaning simple and quick

Built-in handle

For easy installation

Union connectors

2.5" or 3" union connectors included

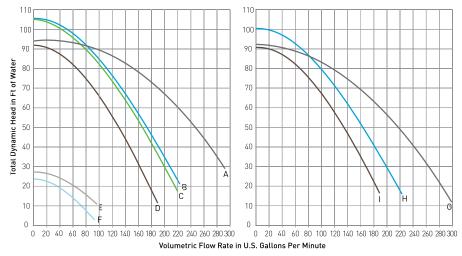
Oversized strainer basket

Extends time between cleanings

TEFC/Super-Duty motor options

Provide superior performance and longevity

PERFORMANCE CURVES



Performance		
Curve	Model	Description
Α	XFE-20	5 HP, Single Speed Full Rated
Α	XFET-20	5 HP, TEFC Super-Duty Single Speed
G	XFK-20	5 HP, 3-Phase, Super-Duty Motor
В	XFE-12	3 HP, Single Speed Full Rated
B, E	XFDS-12	3 HP, 2-Speed Full Rated
В	XFET-12	3 HP, TEFC Super-Duty Single Speed
н	XFK-12	3 HP, 3-Phase, Super-Duty Motor
С	XF-12	3 HP, Single Speed Full Rated
D	XFE-8	2 HP, Single Speed Full Rated
D	XFET-8	2 HP, TEFC Super-Duty Single Speed
D	XF-8	2 HP, Single Speed Full Rated
D, F	XFDS-8	2 HP, 2-Speed Full Rated
D	XFE-30	2.5 HP, Single Speed Up Rated
D	XF-30	2.5 HP, Single Speed Up Rated
D, F	XFDS-30	2.5 HP, 2-Speed, Up Rated
I	XFK-8	2 HP, 3-Phase, Super-Duty Motor

Pumps and replacement motors that are single speed and one (1) Total HP or greater cannot be sold, offered for sale, or installed in a residential pool for filtration use in California, Title 20 CCR sections 1601-1609.



1620 Hawkins Ave | Sanford, NC 27330 | United States | 800.831.7133 | pentair.com

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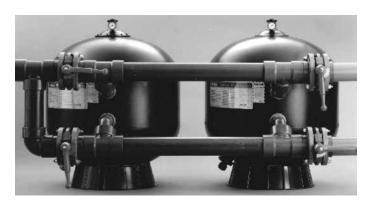
SCH 40 & 80 FOR TR100C, TR140C, TR100C-3 & TR140C-3

TANDEM FILTER PIPING KITS FOR 2 & 3 IN. FILTERS

These Tandem Filter Piping Kits are designed specifically for use with the Triton® TR100C, TR140C, Triton TR100C-3 and TR140C-3 Sand Filters to make the best even better.

We are providing this additional service for your convenient one-stop shopping. Pipe and filters are all you need.

Pipe is not included in kits.



Tandem Filter Piping Kits for Triton TR100C, TR140C, TR100C-3 and TR140C-3 Sand Filters

CALIFORNIA PROPOSITION 65 WARNING

WARNING: Cancer and Reproductive Harm.

AVERTISSEMENT: Peut Causer le Cancer et des Dommages au Système Reproducteur.

ADVERTENCIA: Cáncer y Daño Reproductivo.

www.p65warnings.ca.gov.

Ordering Information

Product	Model							
For Plumbing	Two TR100C or TR140C Filters							
146400	3 in. Two filter kit, SCH 40 (200 GPM)							
146402	4 in. Two filter kit, SCH 40 (300 GPM)							
146404	6 in. Two filter kit, SCH 40 (700 GPM)							
146403	4 in. Two filter kit, SCH 80 (300 GPM)							
146405	6 in. Two filter kit, SCH 80 (700 GPM)							
For Plumbing T	wo TR100C-3 or TR140C-3 Filters							
147400	3 in. Two filter kit, SCH 40 (200 GPM)							
147402	4 in. Two filter kit, SCH 40 (300 GPM)							
147404	6 in. Two filter kit, SCH 40 (700 GPM)							
147401	3 in. Two filter kit, SCH 80 (200 GPM)							
147403	4 in. Two filter kit, SCH 80 (300 GPM)							
147405	6 in. Two filter kit, SCH 80 (700 GPM)							

Product	Model
Adder Kits for	TR100C and TR140C Filters ¹
146406	4 in. Single filter kit, SCH 40
146408	6 in. Single filter kit, SCH 40
146407	4 in. Single filter kit, SCH 80
146409	6 in. Single filter kit, SCH 80
Adder Kits for 7	FR100C-3 and TR140C-3 Filters
147406	4 in. Single filter kit, SCH 40
147408	6 in. Single filter kit, SCH 40
147407	4 in. Single filter kit, SCH 80
147409	6 in. Single filter kit, SCH 80

Note: All kits include hardware, fittings, gaskets.

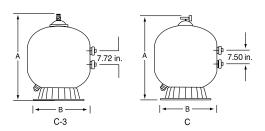
Note: All kits include hardware, fittings, gaskets and butterfly valves.

E '11	Filter Area	Manifold	Filter Rat]	Turnover Capacity		
Filters	Sq. Ft.	Pipe Dia.	15 GPM	20 GPM	6 Hours	8 Hours	10 Hours
		TAN	DEM TRITON 140	OC FILTER INSTA	ALLATION		
6 TR 140's	42.36	6 in.	635	_	228,600	304,800	381,000
0 IR 140 S	42.30	8 in.	_	847	304,920	406,560	508,200
7 TR 140's	49.42	6 in.	741	_	266,760	355,680	444,600
/ TR 140 S	49.42	8 in.	_	988	355,680	474,240	592,800
8 TR 140's	56.48	8 in.	847	_	304,920	406,560	508,200
0 IK 140 S	30.40	8 in.	_	1130	406,800	542,400	678,000

TRITON® C SERIES COMMERCIAL SAND FILTERS

TRITON HD FILTER

The Triton heavy duty (HD) filter is a thirty-inch fiberglass filter that offers a maximum operating pressure of 75 PSI. This filter is specifically designed for special high-pressure commercial applications that require up to 98 gpm, and is ideal for all heavy-duty commercial applications.

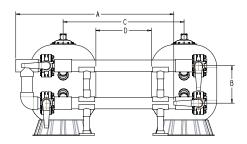




TR100 HD

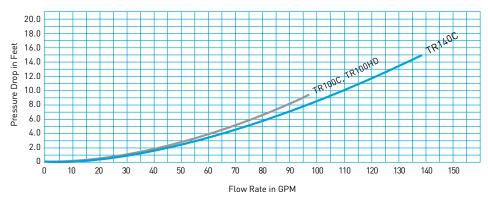
Triton Commercial Se	riton Commercial Series Sand Filter Specifications												
Model Number	Filton Anna Co. Et	Flow Rate	Turnover Cap	oacity Gallons	Dime	nsion	Media	Required					
Model Number	Filter Area Sq. Ft.	15 GPM/sq. ft.*	6 Hours	8 Hours	Α	В	Sand	Sand/Gravel					
TR100C	4.91	74	26,640	35,520	39 3/4"	30 1/2"	600 lbs.	450 lbs./150 lbs.					
TR140C	7.06	106	38,160	50,880	45 1/4"	36 1/2"	925 lbs.	650 lbs./275 lbs.					
TR100C-3	4.91	74	26,640	35,520	39 3/4"	30 1/2"	600 lbs.	450 lbs./150 lbs.					
TR140C-3	7.06	106	38,160	50,880	45 1/4"	36 1/2"	925 lbs.	650 lbs./275 lbs.					

*15 GPM/sq. ft. typical commercial flow rate.



Two Filter System	Α	В	С	D	Total Wt.
3" -TR100C	82 3/4"	17 15/16"	48" Min.	18" Min.	2,300 lbs.
3" -TR140C	88 3/8"	17 15/16"	54" Min.	18" Min.	3,200 lbs.
4" -TR140C	95 3/4"	19 35/64"	54" Min.	18" Min.	2,300 lbs.
6" -TR140C	111 3/4"	24 7/32"	54" Min.	18" Min.	3,550 lbs.

Note: 6" piping needs to be rotated upward as shown at 25° so handle will clear the floor.





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RAINBOW™

HIGH CAPACITY CHLORINE/ BROMINE FEEDERS

- Designed for ease of use and simple maintenance
- Drain valve allows easier draining for safer recharging or winterizing
- Standard threaded inlet and outlet fittings included for easy installation



THE PERFORMANCE LEADER IN AUTOMATIC SANITIZATION FOR LARGE RESIDENTIAL AND COMMERCIAL POOLS

The INLET control valve side of the feeder connects to the plumbing on the discharge side of the pump, before the filter. The OUTLET side of the feeder connects to the pool return line after the filter and/or heater, pool cleaner, diverter valves, or any other installed equipment. Installation of a corrosion-resistant check valve such as #R172288 by Pentair between the feeder inlet and outlet and the equipment is strongly recommended to check backflow of chemicals. This helps ensure equipment longevity.

AVAILABLE FROM:



MODELS & SPECIFICATIONS

Mod	el	HC-3315	HC-3330	HC-3340
Part	Number	R171215	R171230	R171240
Heig	ht	21.5"	39.125"	49.75"
Widt	h	8"	8"	8"
Dept	h	15"	15"	15"
Main	tenance Clearance	22.75"	40.375"	51"
Capa	acity (lbs.)	15	30	40
	Flow rate (GPM)	34	34	11.5
@ 100% Setting	Maximum Output Rate, Chlorine* (lbs./hr.)-Pool at listed flowrate	2.8	4.6	3.0
100%	Maximum Output Rate, Chlorine* (lbs./hr.)-Spa at listed flowrate	4.8	7.9	5.7
©	Maximum Output Rate, Bromine* (lbs./hr.)-Pool at listed flowrate	0.6	1.1	1.7
	Flow rate (GPM)	17.8	17.8	9.2
50% Setting	Output Rate, Chlorine* (lbs./hr.)-Pool at listed flowrate	2.1	3.4	2.6
	Output Rate, Chlorine* (lbs./hr.)-Spa at listed flowrate	1.8	3.0	5.4
0	Output Rate, Bromine (lbs./hr.)-at listed flowrate	0.3	0.6	0.9
	mum Pool Size @ 34 GPM prine-Gals)	224,000	369,000	658,500
	mum Pool Size @ 34 GPM mine-Gals)	99,200	164,000	292,600

Maximum working pressure – 50 psi

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pumps • filters • heaters • heat pumps • automation • lighting • cleaners • sanitizers • water features • maintenance products



^{*} Results based on use of 1" Trichlor tablets

WHEN ACCURACY IS CRITICAL, DON'T JUST TAKE OUR WORD FOR IT!



FlowVis® was the first - and is now the most - NSF 50 certified flow meter in the world! Because when accuracy matters, you should put your trust in the experts.

FLOWVIS® MODELS

Feature	FV-15	FV-15-U	FV-2	FV-2-U	FV-25	FV-3	FV-3-40	FV-4	FV-6	FV-8
NSF 50 Certified	✓	√	✓	✓	✓	✓	√	✓	√	-
Pipe Size	1.5"	1.5"	2"	2"	2.5"	3"	3"	4"	6"	8"
Operating Range (GPM)	10-80	10-90	10-110	10-110	10-110	70-240	70-240	150-460	300-1000	600-1800
Average Accuracy	98.7%	98.7%	99.4%	99.0%	99.2%	98.9%	99.2%	99.6%	98.1%	N/A*
NSF 50 Level	L1	L1	L1	L1	L1	L1	L1	L1	L1	L1

^{*}FlowVis® model FV-8 is available only with FlowVis® Digital upgrade included. For accuracy of this model, refer to the FV-8 information in the FlowVis Digital table below.

FLOWVIS® DIGITAL MODELS

Feature	FV-15	FV-15-U	FV-2	FV-2-U	FV-25	FV-3	FV-3-40	FV-4	FV-6	FV-8
NSF 50 Certified	√	✓	✓	✓	√	✓	√	√	√	✓
Pipe Size	1.5"	1.5"	2"	2"	2.5"	3"	3"	4"	6"	8"
Operating Range (GPM)	10-80	10-90	10-110	10-110	10-110	70-240	70-240	150-460	300-1000	600-1800
Average Accuracy	98.6%	99.0%	98.8%	98.5%	98.3%	98.4%	98.0%	98.3%	98.9%	98.9%
NSF 50 Level	L1	L1	L1	L1	L1	L1	L1	L2	L1	L1

NOTE: FlowVis is the only NSF 50 certified Level 1 flow meter in the world today.

Guide for NSF 50 Accuracy Levels

Level 1 (L1): Average of absolute values of all single point deviations must be ≤2%. Single point deviations shall not exceed ±4%.

Level 2 (L2): Average of absolute values of all single point deviations must be ≤5%. Single point deviations shall not exceed ±7.5%.

Level 3 (L3): Average of absolute values of all single point deviations must be ≤10%. Single point deviations shall not exceed ±12.5%.

Level 4 (L4): Average of absolute values of all single point deviations must be ≤12.5%. Single point deviations shall not exceed ±15%.

Level 5 (L5): Average of absolute values of all single point deviations must be ≤15%. Single point deviations shall not exceed ±20%.



VGBA-2017 PRODUCT SPECIFICATIONS

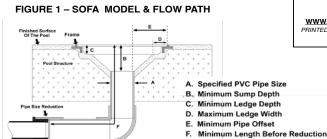
Suction Outlet Fitting Assembly (SOFA)

VGBA-2017 Flow Ratings, Sump Dimensions, Sump Flow Path Zone, and Head Loss Curves



DIRECTIONS: Please follow the SOFA specific flow rates, sump specifications, and flow path zone information below. The installation must conform to these minimum/maximum requirements including the SOFA dimension defined in Figure 1. The flow path zone is defined by dimensions A through E. The installed sump may be manufactured or field-built and it may be larger/deeper than Figure 1. Please write the Cover Model Number, orientation, and SOFA Model Flow Rating on the *VGBA DRAIN COVER IDENTIFICATION INFORMATION* label that comes with each AquaStar Pool Products, Inc. drain cover.

Cover Model Number: WAV12WRxxx



FOR MOST CURRENT INFORMATION SCAN THE QR CODE OR VISIT

WWW.AQUASTARPOOL PRODUCTS.COM/FLOWCODE

PRINTED DOCUMENTS MAY NOT HAVE THE MOST CURRENT FLOW RATINGS OR INSTALLATION OPTIONS.

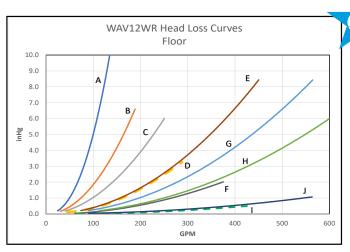


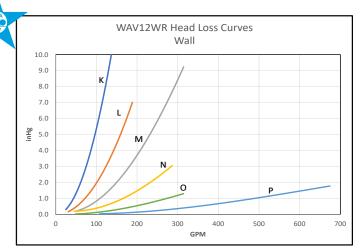
					PRIOR PLOWCOODS. DO	
SOFA Model No.		Pipe Size (Nominal)	Pipe Depth (Minimum)	Orientation (Wall / Floor)	Flow Rating (GPM)	Head Loss Curve
WAV12WR-12f_A-1.5b_B3_C0.3_D0.7_E3.5_F16		1.5" (b)	3"	Floor (f)	126	А
WAV12WR-12f_A-2b_B3_C0.3_D0.7_E4.9_F16		2" (b)	3"	Floor (f)	150	В
WAV12WR-12f_A-2.5b_B3_C0.3_D0.7_E4.7_F16		2.5" (b)	3"	Floor (f)	200	С
WAV12WR-12f_A-3b_B3_C0.3_D0.7_E4.5_F16		3" (b)	3"	Floor (f)	230	D
WAV12WR-12f_A-3s_B5.6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	3" (s)	5.6"	Floor (f)	360	E
WAV12WR-12f_A-4b_B3_C0.3_D0.7_E3.75_F16	[Sump P/N 12-4SB]	4" (b)	3"	Floor (f)	300	F
WAV12WR-12f_A-4s_B6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	4" (s)	6"	Floor (f)	450	G
WAV12WR-12f_A-4s,2.5b_B6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	4"(s), 2.5" (b)	6"	Floor (f)	450	Н
WAV12WR-12f_A-6b_B3_C0.3_D0.7_E3_F16		6" (b)	3"	Floor (f)	340	I
WAV12WR-12f_A-6b_B10.5_C0.3_D0.7_E2.9_F16	[Sump P/N 12-6SB]	6" (b)	10.5"	Floor (f)	450	J
WAV12WR-12w_A-1.5b_B3_C0.3_D0.7_E3.5_F16		1.5" (b)	3"	Wall (w)	126	K
WAV12WR-12w_A-2b_B3_C0.3_D0.7_E3.5_F16		2" (b)	3"	Wall (w)	150	L
WAV12WR-12w_A-2.5b_B3_C0.3_D0.7_E4.7_F16		2.5" (b)	3"	Wall (w)	200	М
WAV12WR-12w_A-3b_B3_C0.3_D0.7_E4_F16		3" (b)	3"	Wall (w)	230	N
WAV12WR-12w_A-4b_B3_C0.3_D0.7_E3.75_F16	[Sump P/N 12-4SB]	4" (b)	3"	Wall (w)	250	0
WAV12WR-12w_A-6b_B10.5_C0.3_D0.7_E2.9_F16	[Sump P/N 12-6SB]	6" (b)	10.5"	Wall (w)	450	Р

Note 1: "SOFA Model No" nomenclature; bottom pipe = (b), side pipe = (s). See Fig 1 for capital letters A through E

Note 2: Head loss inHg is measured 16 to 24 inches from the finish surface of the pool. Reference Fig 1 dimension F.

Note 3: [Sump P/N 12-xSB] are the part numbers marked inside these manufactured Sump Buckets. Use of these sumps is not required. Installing WAV12WRxxx covers on field-built sumps is permitted. To order WAV12WRxxx product with these sumps, please see the catalog or visit www.aquastarpoolproducts.com.

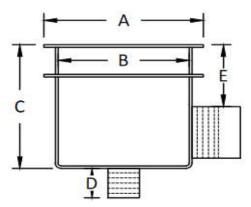




Fiberglass Field Built Sumps



- * Premium fiberglass & resin for maximum structural strength
- * Durable smooth gelcoat interior & pebble pipe
- * Exterior perimeter FRP waterstop flange
- * Non-Metallic- No grounding
- * Rough sand exterior finish
- * Custom configurations fabricated



- * 2" Bottom fpt.x fpt for hydro relief valve
- * Threaded PVC SCH 40 pressure test plug for outlet (up to 8")
- * All PVC connections are ASTM 2466 compliant
- * Designed to ANSI/APSP/ICC-16 2017 for use only with noted SOFA (Suction Outlet Fitting Assembly) Covers





	SCH40 Outlet	SOFA						
Size (inches)	ASA Part #	Α	В	С	D	E	fpt x soc	List
9 x 9 x 12	FBS-50-809-3	11"	9"	12"	4.5"	6.5"	3"	Α
12 x 12 x 12	FBS-50-812-4	14"	12"	12"	4.5"	6.5"	4"	B1
12 x 12 x 18	FBS-50-812-18-6	14"	12"	18"	4.5"	10"	6"	B2
18 x 18 x 20	FBS-50-818-6	20"	18"	20"	4.5"	10"	6"	С
18 x 18 x 24	FBS-50-818-24-8	20"	18"	24"	4.5"	13.5"	8"	D
24 x 24 x 30	FBS-50-824-30-10	26"	24"	30"	4.5"	17"	10" soc x soc	E

	Compatible SOFA for A.S.A. MFG FBS Sumps						
List A	List B1	List B2	List C	List D	List E		
9" x 9"	12" x 12" - 4"	12" x 12" - 6"	18"x18"x20"	18"x18"x24"	24" x 24"		
Aquastar	Aquastar	Aquastar	Aquastar	Aquastar	Aquastar		
9MFXXX	12MFXXX	12MFXXX	18MFXXX	18MFXXX	24XXX		
WAV9WRXXX	WAV12WRXXX	WAV12WRXXX	WAV18WRXXX	WAV18WRXXX	WAV24XXX		
914XXX	1216XXX	1216XXX	P18XXX	P18XXX			
			SUN18HPHXXX	SUN18HPHXXX			
Waterway	Waterway	Waterway	Waterway	Waterway	Waterway		
640-479XV	640-472XV	640-472XV	640-477XV	640-477XV	640-476XV		
Hayward	Hayward		Hayward				
WG1031HF	WG1032HF		WG1033HF				

Notes: SOFA = Suction Outlet Fitting Assembly

Compatible based on manufacturer's specifications at the time of publication. Subject to change. See Manufacturer's website for updates.

- 1) All Field Built Sumps shall be installed in accordance with the manufacturer's installation instructions.
- 2) All SOFA covers shall be installed in accordance with the manufacturer's installation instructions.
- The A.S.A. MFG Inc. Fiberglass Field Built Sump Is intended only to be installed in a reinforced concrete pool structure.
- 4) Any field modifications made to the SOFA and not authorized by the manufacturer's installation instructions shall void the SOFA certification. No modification shall be made to the SOFA structure or flow path unless a new configuration has been certified as a new SOFA
- Fiberglass Field Built Sump Life = Life of the Aquatic Center.

v040622



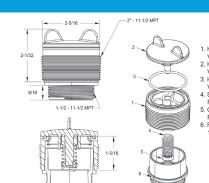
Hyrdostatic Relief Valves

Self-Contained Hydrostatic Valve Assembly Hydrostatic valve and collection tube (lowest point of pool) Shotcrete: gunite Ø 1/8 Max Ø 3-19/32 13-17/32 Collector Tube Cap Part # HVCxxx Hydrostatic Valve Assembly 10-32 x 3/4" Flat Head Phillip **FEATURES STANDARD COLORS** Self-contained unit has a built-in collector tube **HVC101** HVC104 Installs directly into the pool finish with no additional plumbing connection required HVC102 HVC105 Helps prevent swimming pool damage due to hydrostatic pressure beneath the pool shell when the pool is drained **HVC103** HVC108 12 per case HVC05xxx - Cap and Screws





Part # HVxxx



- Hydrostatic Relief Valve Body
 Hydrostatic Relief Valve Cap
 Hydrostatic Relief Valve Retainer
- 4. Spring, Hydrostatic Relief Valve
 5. O-Ring, Hydrostatic
 Relief Valve

 Relief Valve
- Relief Valve 6. Reducer Bushing, 1-1/2" MPT

FEATURES

- Equalizes pressure for high water tables
- Fins enable easy twist for installation and removal
- Fits any AquaStar and most other manufacturers' 2" threads
- Manufactured from superior UV-resistant engineered polymers
- Includes 2" x 11/2" reducer bushing
- Reducer bushing must be glued into hydrostatic relief valve using ABS glue

25 per case

STANDARD COLORS

HV101

HV104

HV102

HV105

HV103

HV108

P 877-768-2717 F 877-276-POOL Outside the US: P +1-805-620-5060 F +1-949-336-1940 info@aquastarpoolproducts.com www.aquastarpoolproducts.com



FLOW STAR® SKIMMER WITH WATER STOP FACE, FLOAT ASSEMBLY, BASKET, LID AND ADJUSTABLE COLLAR



Built in conformance with NSF 50 and SPS 3 standards



FEATURES

Adjustable collar

New weir clip lock secures the clips in the

Self-contained gunite grip, water stop on the faceplate to prevent water leaks

Large self-contained basket with lock-in feature (will not float)

Underwater dampers on the faceplate for noise reduction on weir plate – especially on windy days

Super strong engineered polymer upper housing

Extra heavy duty PVC lower unit (no transitional glue required)

21/2" outside slip and 2" inside slip

2" threads for pressure testing (inside skimmer)

Built-in overflow or fill line knock out

Upper housing has pre-cut rebar cutouts with pre-drilled holes for tie wire

Skimmer Lid and Collar G154 UV tested

NSF 50 approved for commercial use, 25 GPM min, 55 GPM max – approved for residential use up to 100 GPM

See page 212 for code compliance and sizing

Optional custom name/logo engraved on the lid (requires minimum 500 piece lid order)

See page 157 for Skimmer with Ozone Port

1 per case

Three lid options available (sold separately): round, square or snap-in round/square





Optional vacuum plate with snap-in lug can be glued in under lid for easy storage p/n SK43101



Optional BFB adapter converts skimmer fittings to 4" or 3" tee for improved hydraulics and code compliance p/n BFB101

Part # SKR1xx

For vinyl and fiberglass options, see pages 138-143

STANDARD COLORS

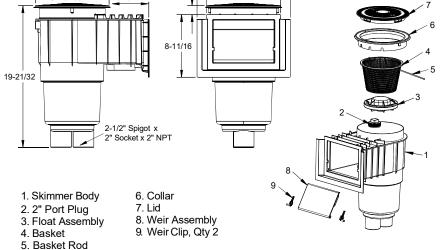
- SKR101 White
- SKR102 Black
 - SKR103 Light Gray
- SKR104 Blue
 - SKR105 Dark Gray
- SKR108 Tan

Snap-in Round/Square Lid and Collar (sold separately) p/n SK65xxx

Square Lid and Collar (sold separately) p/n SK64xxx

Available without lid and collar SKR1NL101 (white only)

Ø 10-7/32 10-1/4 8-11/16 19-21/32 2-1/2" Spigot x 2" Socket x 2" NPT



12-29/32



Large Wall Fittings

STANDARD COLORS

101

103

Large Wall Fitting with Threaded OD (Fits 11/2" Pipe)

FEATURES

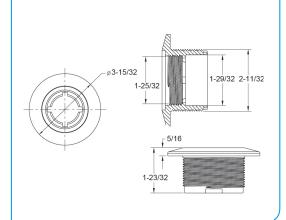
- Standard 1022 fits outside 11/2" pipe, threads inside 2" pipe
- 11/2" FPT in the front face
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

250 per case

Also available in Clear (p/n ES102200)



Part # ES1022xx



Large Wall Fitting with Water Stop (Fits 11/2" Pipe)

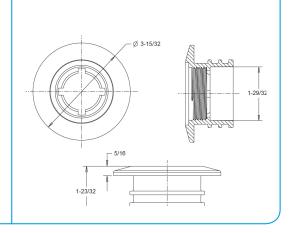
FEATURES

- Fits outside 11/2" pipe, 11/2" FPT in the front face
- Similar to standard 1022 but with integrated water stop to reduce leaks
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022WB00)



Part # ES1022WBxx



Large Wall Fitting (Fits Inside 2" Pipe)

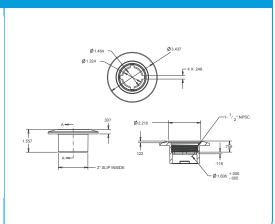
FEATURES

- Fits inside 2" pipe, 11/2" FPT in the
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022SI2000)



Part # ES1022SI20xx



ProStar # VLK15Txx REPLACES # W4008WHP

ProStar # HWN153
REPLACES # AXV574P



Safety Vacuum Lock Wall Fitting (11/2" NPT) Part # VLK20Txx (2" NPT) Meets SPS-4-2009 Standard



Flow Gauge

ProStar # HWN158
REPLACES # AXV092



ProStar # SZTHxx REPLACES # V109



Hose Connector

4-Foot Regular Hose

ProStar # SZTHLxx REPLACES # V532



ProStar # HWN163xx REPLACES # AXV414604



Wing Kit and Pod Shoes



2" X 4" GUTTER DECK DRAIN (FITS 2" PIPE)

FEATURES

Fits over 2" pipe

 $1\frac{1}{2}$ " threaded FPT inside for pressurizing/winterizing

Manufactured from engineered polymer UV-resistant PVC material (p/n GDD101 is manufactured from engineered polymer UV-resistant ABS material)

1½" reducer bushing available p/n BU101-2x1.5

½" stackable extender available p/n PE20101

Stainless steel screws

Also available as grate only with two screws

CAUTION: Not to be used as a suction outlet under any circumstances

25 per case

Grate only p/n GDDLxxx 25 per case

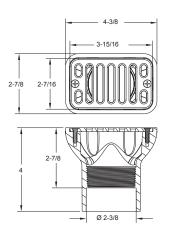


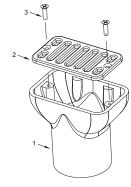
Part # GDDxxx

STANDARD COLORS









- 1. 2" x 4" gutter/deck drain body
- 2. 2" x 4" gutter/deck drain cover
- 3. 10 x 3/4 flat head Phillips screw, qty 2



Large Wall Fittings

STANDARD COLORS

101

103

Large Wall Fitting with Threaded OD (Fits 11/2" Pipe)

FEATURES

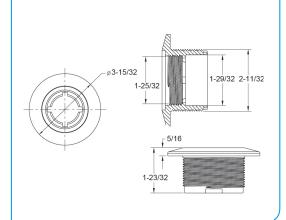
- Standard 1022 fits outside 11/2" pipe, threads inside 2" pipe
- 11/2" FPT in the front face
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

250 per case

Also available in Clear (p/n ES102200)



Part # ES1022xx



Large Wall Fitting with Water Stop (Fits 11/2" Pipe)

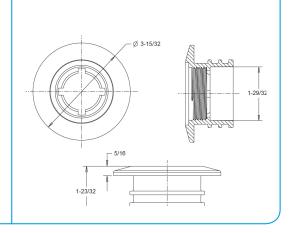
FEATURES

- Fits outside 11/2" pipe, 11/2" FPT in the front face
- Similar to standard 1022 but with integrated water stop to reduce leaks
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022WB00)



Part # ES1022WBxx



Large Wall Fitting (Fits Inside 2" Pipe)

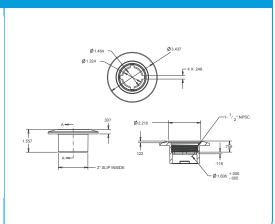
FEATURES

- Fits inside 2" pipe, 11/2" FPT in the
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022SI2000)



Part # ES1022SI20xx



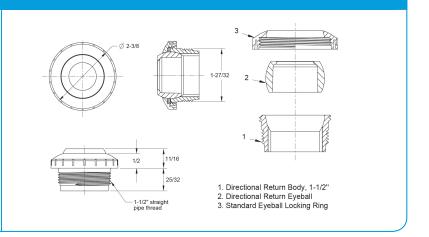


Three-Piece Directional Eyeball Fitting 1½" MPT

Product Image and Dimensions



Part # 81xx



FEATURES

- Screws into 1½" FPT
- Manufactured from engineered polymer UV-resistant ABS material

250 per case

STANDARD COLORS

8101	Aditional orifice size suffix:
8102	82xx - ¾"
8103	83xx - ½"
8104	84xx - Slotted Down-Jet
8105	(i.e. $8201 = \text{white } \frac{3}{4}$ " orifice)
8108	Also available in Clear (p/n 8100, 8200, 8300, 8400)

AquaStar Specific Eyeball GPM, Velocity and Head Loss Ratings

	· · · · · · · · · · · · · · · · · · ·								
	81xx	81xx (1")		82xx (3/4")		83xx (1/2")		84xx (Down-Jet)	
GPM	Velocity (fps)	Head Loss (ft)	Velocity (fps)	Head Loss (ft)	Velocity (fps)	Head Loss (ft)	Velocity (fps)	Head Loss (ft)	
5	2.2	0.1	3.6	0.5	8.2	2.4	10.1	2.1	
10	4.4	0.5	7.3	1.8	16.3	8.7	20.2	8.1	
15	6.6	1.1	10.9	3.7	24.5	18.6	30.3	20.7	
20	8.8	1.9	14.5	6.2	32.4	32.0			
25	11.0	3.0	18.2	9.4					
30	13.2	4.4	21.8	13.1					
35	15.4	6.1	25.4	17.3					
40	17.6	8.0							
45	19.7	10.2							
50	21.9	12.7							



Large Wall Fittings

STANDARD COLORS

101

103

Large Wall Fitting with Threaded OD (Fits 11/2" Pipe)

FEATURES

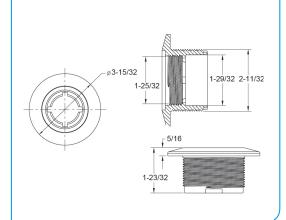
- Standard 1022 fits outside 11/2" pipe, threads inside 2" pipe
- 11/2" FPT in the front face
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

250 per case

Also available in Clear (p/n ES102200)



Part # ES1022xx



Large Wall Fitting with Water Stop (Fits 11/2" Pipe)

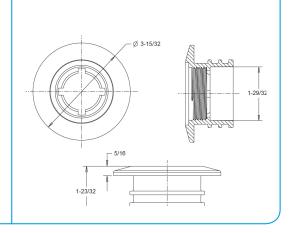
FEATURES

- Fits outside 11/2" pipe, 11/2" FPT in the front face
- Similar to standard 1022 but with integrated water stop to reduce leaks
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022WB00)



Part # ES1022WBxx



Large Wall Fitting (Fits Inside 2" Pipe)

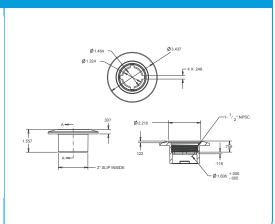
FEATURES

- Fits inside 2" pipe, 11/2" FPT in the
- Large flange camouflages pipe and surface construction variations
- See also decorative cover p/n DCxxx to make existing 1022s like new with
- Manufactured from engineered polymer UV-resistant ABS material

Also available in Clear (p/n ES1022SI2000)



Part # ES1022SI20xx





BUBBLER PLATE

FEATURES

Available in six standard colors

No exposed components

Installs flush with bottom of pool/spa

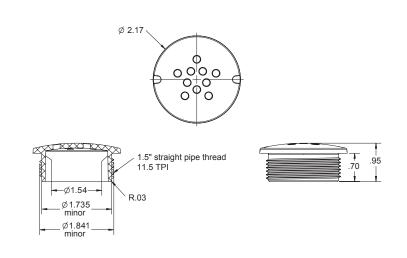


Part # BPxxx

STANDARD COLORS

101 104

102 105 103 108





FillStar[™] Water Level Control System for Pools and Spas



Durable and reliable



FEATURES

Can be installed alone or with drain/ vacuum pool or spa at all times

Easy to install

Overflow protection and adjustable presets

Uses the same size lid and collar as AquaStar skimmers

Includes a 2" to 1½" adapter

3/4" plug included if overflow is not needed

3/4" water supply inlet

Valve is made of high-strength engineered resin

Float is injection-molded; thread is pre-molded

All fittings are made of PVC

No transition glue needed

Float thread is 1/2" MPT

1 per case

NEW





Part # AFBxxx

Also available float only part # AFBV

STANDARD COLORS

AFB101 – White

AFB102 – Black

AFB103 – Light Gray

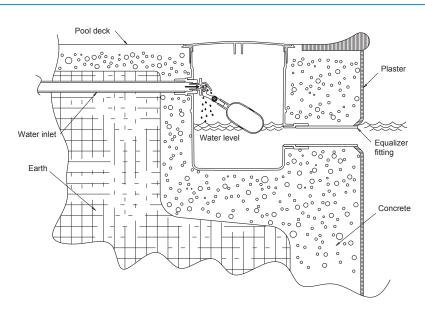
AFB104 – Blue

AFB105 - Dark Gray

AFB108 – Tan

Also available without lid and collar p/n AFBNLxxx

Also available cover only p/n SKRTxxx



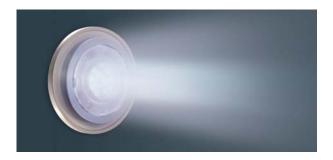
GloBrite® White LED Lights



ADD THE MAGIC AND VIBRANCY OF WHITE LED LIGHTING

GloBrite white lights provide vivid, brilliant, pure illumination for your inground pool's features. Incorporating an extended service life, two dimming levels and the latest technology, GloBrite white lights are the brightest and most efficient LEDs on the market.

- GloBrite white lights are equivalent to 190W of incandescent light and offer pure white light for your inground pool features
- Compatible with IntelliTouch®, EasyTouch® and SunTouch® Control Systems
- When used with an optional IntelliBrite® Controller, pool and spa owners without an automation system can enjoy fast and easy control of their pool lighting
- Quick and easy installation
- Does not require grounding or bonding



BUILT FOR EFFICIENCY

GloBrite White LED Lights are engineered with the brightest, most efficient LED light technology on the market today. They use only 15 watts to deliver the equivalent of 190 watts of incandescent light. And, savings add up with extended service life.





Item #: 602103

Description: GloBrite White LED Light

Voltage: 12 Wattage: 15W

Cord Length (Ft.): 50

Carton Oty.: 1

Carton Wt. (Lbs.): 6

Item #: 602104

Description: GloBrite White LED Light

Voltage: 12 Wattage: 15W

Cord Length (Ft.): 100

Carton Oty.: 1

Carton Wt. (Lbs.): 9

Item #: 602105

Description: GloBrite White LED Light

Voltage: 12 Wattage: 15W

Cord Length (Ft.): 150

Carton Oty.: 1

Carton Wt. (Lbs.): 12

Item #: 620040

Description: Gunite Niche for GloBrite (includes white, blue, grey and tan rings

Voltage: Wattage:

Cord Length (Ft.): Carton Oty.: 1

Carton Wt. (Lbs.): 1.3

Item #: 620039

Description: Vinyl Niche for GloBrite (includes white, blue, and grey rings)

Voltage: Wattage:

Cord Length (Ft.): Carton Oty.: 1

Carton Wt. (Lbs.): 1.3

eedback





Junction Box - 4 Light Connection Pool & Spa Junction Box

Item PJB4175



PRODUCT DESCRIPTION

These polymeric junction boxes are code compliant and provide safe, reliable connections for low-voltage lights. Specially designed for pools, pool-spa combinations, and landscape applications. Junction boxes are for outdoor use only.

FEATURES

- ► Accommodates flexible cords and non-metallic conduits from ½" to 1"
- ► Watertight, multifixture enclosure
- ► Easy access ground bar
- ► PA114 Wall/Post Mounting Bracket (sold separately)
- ► Complies with NEC Code 680.24 requirements for junction boxes
- ► 1-year warranty

APPLICATIONS

- ► Landscape Lighting
- ▶ Underwater Lighting

TECHNICAL DATA

(1)

General	
Model Number	PJB4175
Description	4 Light Connection Pool & Spa Junction Box
UPC Code	078275094048
Brand	Intermatic
Country of Origin (Intermatic)	INDIA
Warranty Period	1-Year limited

Control Specifications

Number of Light Connections

Mechanical Specifications

Mounting Options Bracket; Post; Rod; Wall

Dimensions

Product Dimensions (H x W x D) in 8.75 x 5 x 4.625 in

Non Metallic Conduit Size 1/2"-1"

Material Specifications

Body Material Plastic

Electrical Specifications

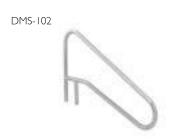
Number of Receptacle Knockouts 5

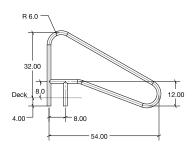
Packaging

Unit Carton Dimensions (H x W x L) in 5.25 x 5 x 9 in

Standards and Certifications

Hand & Stair Rails





- Tubing: 1.90" OD
- Wall Thickness*: .049" or .065"
- Stainless Steel: 304 or 316L Marine Grade** (add –MG to part number)
- Bends: 6" Radius
- Options: Powder-coating and SealedSteel Salt Friendly
- Recommended Anchors: AS-100P or AS-100B (order separately)
- Recommended Escutcheon: EP-100F (order separately)
- Sold as a single rail
 - * Minimum rail thickness is .065 for Commercial
 - ** Minimum requirement for salt pools is 316L Marine Grade

DMS-102

			Shipping		
Model No.	Description	Weight	Length	Width	Height
DMS-102A	54" Center Grab Rail, .049"	15 lbs — 19 lbs 7 — 9kg	59" 150cm	39" 99cm	2" 5cm
DMS-102B	54" Center Grab Rail, .065"	15 lbs — 19 lbs 7 — 9kg	59" 150cm	39" 99cm	2" 5cm
DMS-102P	54" Center Grab Rail, .049" w/welded mounting plate	15 lbs — 19 lbs 7 — 9kg	59" 150cm	39" 99cm	2" 5cm.

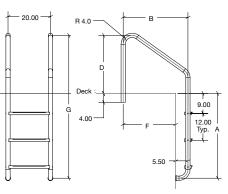


Standard Plus Ladder



Stainless Steel Tread Ladder

- Tubing: 1.90" OD
- Wall Thickness: .065", .109" or .145"
- Stainless Steel: 304
- Treads: LTDF-103 (Stainless Steel)
- Bends: 4" Radius
- Options: Powder-coating and SealedSteel Salt Friendly (rails only)
- Recommended anchors: AS-200B for 1.50" and AS-100B for 1.90" (order separately)
- Recommended escutcheons: EP-150 for 1.50" and EP-100F for 1.90" (order separately)
- * Call Customer Service at 800.824.4387 for availability of ladders of 1.50"OD tubing



5.50	20.00	4.00 F 12.00 Typ. A
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stainless

MODEL NUMBER	D	В	A	F	G
10037 TO 10039	26.00	23.00	28.00	17.50	54.00
10040 TO 10042	26.00	23.00	40.00	17.50	66.00
10043 TO 10045	26.00	23.00	52.00	17.50	78.00
10046 TO 10048	26.00	23.00	64.00	17.50	90.00
10049 TO 10051	26.00	29.00	28.00	23.50	54.00
10052 TO 10054	26.00	29.00	40.00	23.50	66.00
10055 TO 10057	26.00	29.00	52.00	23.50	78.00
10058 TO 10060	26.00	29.00	64.00	23.50	90.00
10061 TO 10063	31.00	35.00	28.00	29.50	59.00
10064 TO 10066	31.00	35.00	40.00	29.50	71.00
10067 TO 10069	31.00	35.00	52.00	29.50	83.00
10070 TO 10072	31.00	35.00	64.00	29.50	95.00

			Shipping	9	
Model No.	Description	Weight	Length	Width	Height
10037 to 10039*	23" 2-Step Ladder with .065", .109", .145" tubing	30, 42, 54 lbs 14, 20, 24kg	61" 155cm	29" 74cm	2" 5cm
10040 to 10042	23" 3-Step Ladder with .065", .109", .145" tubing	36, 50, 62 lbs 16, 23, 28kg	70" 177cm	28" 71cm	2" 5cm
10043 to 10045	23" 4-Step Ladder with .065", .109", .145" tubing	40, 58, 70 lbs 18, 26, 32kg	82" 208cm	28" 71cm	2" 5cm
10046 to 10048	23" 5-Step Ladder with .065", .109", .145" tubing	46, 64, 78 lbs 21, 29, 35kg	90" 229cm	28" 71cm	2" 5cm
10049 to 10051	29" 2-Step Ladder with .065", .109", .145" tubing	30, 44, 56 lbs 14, 20, 25kg	59" 150cm	39" 99cm	2" 5cm
10052 to 10054	29" 3-Step Ladder with .065", .109", .145" tubing	36, 52, 64 lbs 16, 24, 29kg	85" 216cm	39" 99cm	2" 5cm
10055 to 10057	29" 4-Step Ladder with .065", .109", .145" tubing	42, 58, 72 lbs 20, 26, 33kg	85" 216cm	39" 99cm	2" 5cm
10058 to 10060	29" 5-Step Ladder with .065", .109", .145" tubing	48, 66, 80 lbs 22, 30, 36kg	85" 216cm	39" 99cm	2" 5cm
10061 to 10063	35" 2-Step Ladder with .065", .109", .145" tubing	34, 48, 62 lbs 15, 22, 28kg	59" 150cm	39" 99cm	2" 5cm
10064 to 10066	35" 3-Step Ladder with .065", .109", .145" tubing	38, 56, 70 lbs 17, 25, 32kg	76" 193cm	40" 102cm	2" 5cm
10067 to 10069	35" 4-Step Ladder with .065", .109", .145" tubing	44, 64, 78 lbs 20, 29, 35kg	76" 193cm	40" 102cm	2" 5cm
10070 to 10072	35" 5-Step Ladder with .065", .109", .145" tubing	50, 70, 86 lbs 23, 32, 40kg	76" 193cm	40" 102cm	2" 5cm



 $[\]bullet$ Frames extend 5½" from the pool wall. Frame is secured to the pool deck with two anchor sockets on 20" centers. The lower end of the frame is bent to meet the pool wall and fitted with two white rubber bumpers (WRB-100A for 1.90" and WRB-102A for 1.50"). * Example 10037=.065", 10038=.109", 10039=.145" tubing

multiLift™



Lift Color

GRAY MIST

Due to printing technology actual color may differ.



New Construction Jig with Anchors 500-5000A



Wheel-A-Way mobility option provides flexibility to transport the lift if needed



Optional folding seat assembly

A flanged pool lift, with left or right side mounting, and optional folding seat version.

- · Third-party tested & verified ADA compliant
- Integrated armrests
- State of California compliant
- 350 lb/159kg lifting capacity
- · Retrofit anchor jig is standard
- · Optional folding seat assembly
- LiftOperator® Intelligent Controller
- Powder-coated stainless steel and aluminum construction

Description		Shipp	ing – (Cla	ss 150)	
Model No.	Pool Lift with Armrests	Weight	Length	Width	Height
575-0000	multiLift	200 lbs/91kg	50" 127cm	28"	2
575-0000N	multiLift, no anchor	200 lb5/9 lkg	127cm	71cm	69cm

Note

 Includes battery, charger, battery console cover, water-resistant hand control, footrest, seat belt assembly, armrests and retrofit anchor jig.

Parts & Accessories

- 1001495 Battery
- 500-5200T Cover
- 500-5500 Wheel-A-Way
- 900-1000 Seat Belt
- 300-6700A Anchors, set of 4
- 300-6900 Retrofit Anchor Jig
- 300-6800A Anchor Bolts, set of 4
- 970-5000T Seat Saver Cover
- 900-6000 Stability Strap
- 170-3000A Armrest Replacement (pair)

multiLift with Folding Seat

		Shipp	ing – (Cla	ss 77.5)
Model No.	Description	Weight	Length	Width	Height
575-0100	multiLift with folding seat*	225 lbs/103kg			
575-0100N	multiLift with folding seat, no anchor*	225 lbs/103kg	50"	24"	28"
575-0105	multiLift with armrests and folding seat	230 lbs/104kg	127cm	61cm	71cm
575-0105N	multiLift with armrests and folding seat, no anchor	230 lbs/104kg			

Note

- Includes battery, charger, battery console cover, water-resistant hand control, footrest, seat belt assembly and retrofit anchor jig.
- * Models without armrests are not compliant with State of California requirements.

Parts & Accessories

- 1001495 Battery
- 500-5100FCT Folding Seat Cover
- 160-6000T Folding Seat
- 900-2000 Stability Vest
- 900-4000 Seat Pad
- 970-0000T Seat Saver Cover
- 170-2320 Armrest Assembly, gray, left & right

New Construction Guidelines

Scenario	Pool Lift	Anchor Jig
Order pool lift and new construction jig at same time	575-3000	500-5000 (no anchors)
Order new construction jig ahead of pool lift	575-3000N	500-5000A (comes with anchors)



