



IntelliFlo® VS+ SVRS

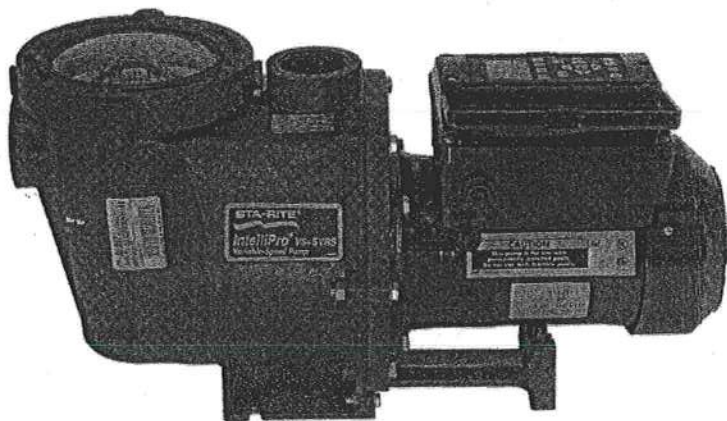
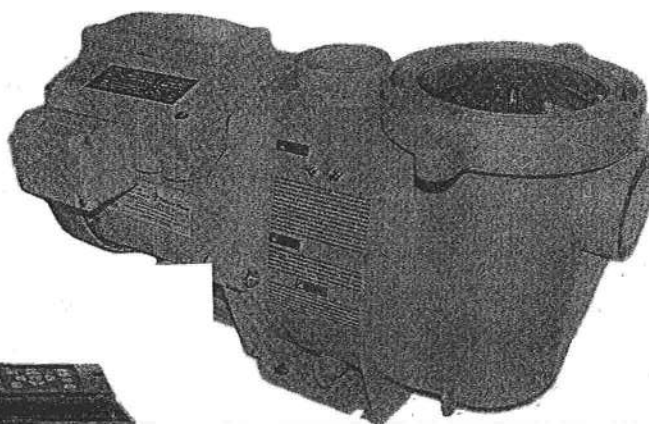
and

IntelliPro® VS+ SVRS

Variable Speed Programmable Pump

with Safety Vacuum Release System (SVRS) Protection

(Compatible with IntelliComm® communication center,
EasyTouch®, IntelliTouch® and SunTouch® control systems)



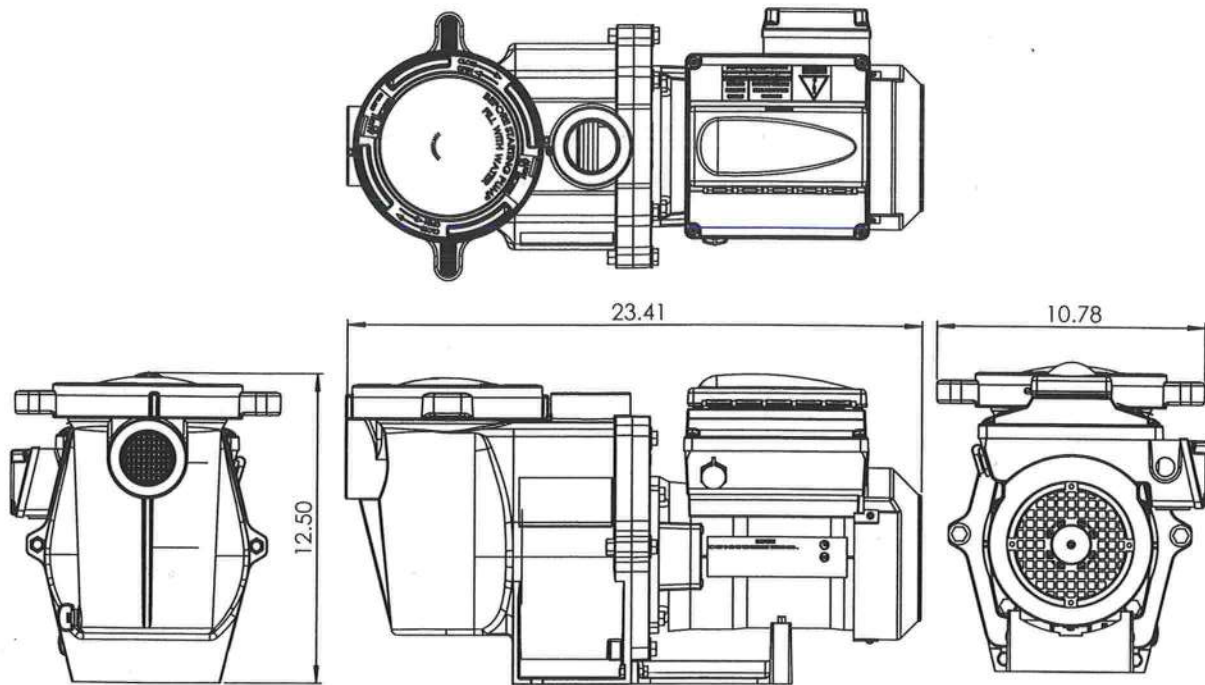
Installation and User's Guide



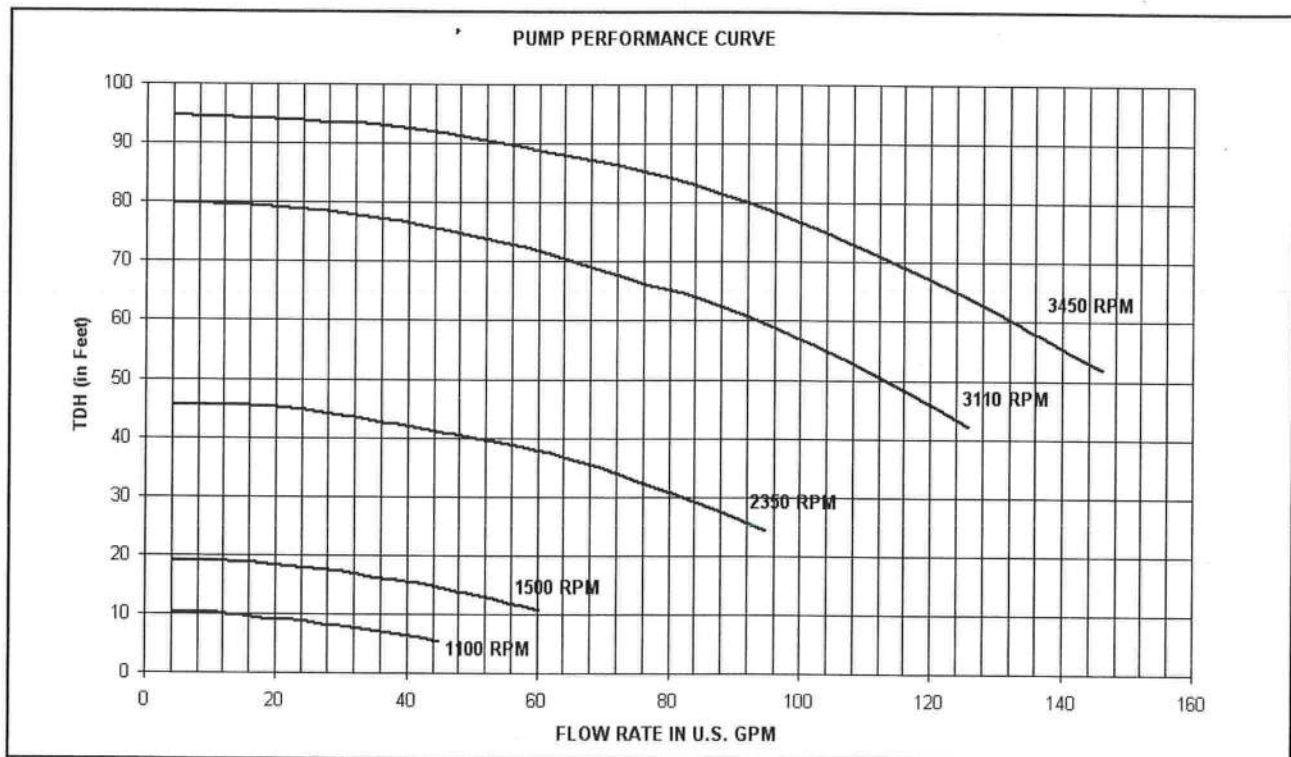
IMPORTANT SAFETY INSTRUCTIONS
 READ AND FOLLOW ALL INSTRUCTIONS
 SAVE THESE INSTRUCTIONS



Pump Dimensions



Flow and Power vs Flow Pump Curve



Electrical Specifications

Circuit Protection: Two-pole 20 AMP device at the Electrical Panel.

Input: 230 VAC, 50/60 Hz, 3200 Watts

CERTIFICATION OF COMPLIANCE

32" ULTRA STRIP DRAIN: P/N 640-132x V

Contents: 1

Part Number: 640-132x V

Description: Ultra Strip Drain
Size: 32"

Open Area: 37.7 in²

GPM @ 1.5 fps: 175

Floor Flow Rate: 288 GPM @ 2.46 fps (one port center)

Floor Flow Rate: 352 GPM @ 3.01 fps (two ports)

Wall Flow Rate: 232 GPM @ 1.98 fps (one port center)

Wall Flow Rate: 296 GPM @ 2.53 fps (two ports)

NSF



VGB
2008

Date of Manufacture:

NOV 21 2011

This product has been tested to ANSI/ASME 112.19.8-2007 (addendum 8a-2008) per §1404 of the Virginia Graham Baker (VGB 2008) Pool and Spa Safety Act. Certified by: Underwriters Laboratories, Inc., 2929 E. Imperial Highway, Suite 100, Brea, CA 92821-6729

This product is certified to comply with §1404 of the Virginia Graham Baker (VGB 2008) Pool and Spa Safety Act. A copy of the test results for the above may be found at www.waterwayplastics.com or go to www.ul.com. This product is manufactured by Waterway Plastics, Oxnard, CA 93030



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Waterway

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810-0320.0310



CLIENT OF KIMES ENGINEERING: FULLSTATE POOLS INC

WORKSHEET SHOWING DATA FOR COMPLIANCE WITH 2010 FBC, ANSI/APSP- 15

OWNER: MONG ADDRESS: 462 SW FAIRLINGTON LOT: LAKE CITY FL 32025

ANSI 15 Filtration Flow

VOLUME OF POOL Area 330 x Avg Depth 4.5 = Vol in CF 1485
Vol in CF x 7.48 gal/CF = 11108 gallons

Calculate Maximum Filtration Flow Rate: Pool Volume/ 360 = 36 GPM [if <13,000 use 36 gpm]

ANSI 15 Auxiliary Flow

Calculate Maximum Auxiliary Load Design Flow Rate: N/A
Number Spa Jets X 7 to 15 GPM = — GPM
Or Water Feature Flow: — GPM

ANSI 15 Flow

ANSI 15 Flow: 36 GPM [greater of ANSI 15 Auxiliary Flows and ANSI 15 Filtration Flow]

PUMP FROM APSP LISTING

Select a pump with Curve A (pools <17,000 gal) or Curve C (pools >17,000 gal) flow equal to or less than ANSI 15 Filtration Flow. May select a multi speed pump with flows acceptable for the ANSI 15 Auxiliary Flow, with acceptable Curve A or C listed flows. Curve A or C flows listed have no relationship or requirement related to ANSI 15 Auxiliary Flow.

Pump Make & Model: INTELLIPRO ISSIRS - PENTAIR PUE6 XS4H-209L

Pump Flow Rate(s) from Listing: @ Low/Single speed 11 GPM, & @ High Speed 73 GPM

Pump Control: Filtration Pump has no auxiliary load: —, time clock to be installed.

Filtration Pump with auxiliary load: Control for low speed default w/in 24 hrs ISSIRS PENTAIR
Make/model
PUMP PROGRAMING

Size filter on "ANSI 15 Flow"

Filter Rates: Cartridge= 0.375 gpm/sf; Sand= 15 gpm/sf; DE= 2 gpm/sf

Filter size: ANSI 15 Flow 36 GPM / Rate 0.375 gpm/sf = 95 SF Min Filter Size
[see pool plan for filter model or show here: STA RITE PLM 100]

Backwash Valve: 2" or Return Pipe Size: N/A or N/A

ANSI 7 Flow see Site Specific Information Sheet

ANSI 5 Flow: Depending on the pipe, use any of the ANSI 15 Filtration, or ANSI 15 flows or the flow at 60 ft TDH on the selected pump curve for the ANSI 5 Flow

See flow vs velocity vs pipe size on Standard Engineering.
See summary of pipe sizes on ANSI 7 Site Specific Information Sheet

HEATER MODEL: N/A

GAS HEATER EFFICIENCY RATING: N/A with no pilot light [min 78%]

HEAT PUMP EFFICIENCY C.O.P.: N/A [min 4.0]



Owner: Mobis Permit #: _____
 Property Address: 462 SW FAIRBURN CT. AKE CITY 32025 Area: _____ Lot: _____

SITE SPECIFIC INFORMATION FOR COMPLIANCE WITH 2010 FBC & ANSI 7

Pump Selection- Brand & Model

FILTRATION PUMP	SPA PUMP	FEATURE PUMP
<u>INTERIOR PUMP FILTER</u>	<u>N/A</u>	<u>N/A</u>
<u>15/105 VARIABLE SPEED</u>		

CHOOSE OPTION FOR DETERMINING MAXIMUM SYSTEM FLOW AT SUCTION OUTLETS

Maximum Flow from Pump- (Attach product pump curve)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Simplified TDH- (Attach pump curve & Calculation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed TDH Calculation- (Attach pump curve & Calculation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump Flow from Pump Curve with method indicated	<u>SIMPLIFIED</u>	<u>TDH</u>	<u>GPM</u>
Adjusted Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used	<u>N/A</u>	<u>GPM</u>	<u>GPM</u>
Minimum Branch Pipe Size given flow at 6 FPS	<u>N/A</u>	<u>Inch Pipe</u>	<u>Inch Pipe</u>

LISTED SUCTION COVER/GRATE

Number of Suction Outlets	<u>one UNBLOCKABLE STEP DOWN</u>	
Manufacturer & Model(attach product sheet)	<u>WATERWAY</u>	<u>640 1320</u>
Maximum Flow Floor(GPM)/ Maximum Flow Wall (GPM)	<u>-</u>	<u>/</u>

TRUNK/SUCTION PIPE SIZING

Minimum Trunk Pipe Size given flow above @ 8 FPS	Inch Pipe	Inch Pipe	Inch Pipe
OTHER PIPE SIZE SUMMARY			
SKIMMER SUCTION- ANSI 15 FLOW @ 6 FPS	<u>3/4</u>	<u>2"</u>	
FILTRATION RETURN SIDE- ANSI 15 FLOW @ 8 FPS	<u>3/4</u>	<u>2"</u>	
AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	<u>N/A</u>		
2 ND AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	<u>N/A</u>		
OPTIONAL VACUUM OR SWEEP LINE- ANSI 5 FLOW @ 8 FPS	<u>1 1/2"</u>		

NOTES:

13410 2ND AVENUE NE / BR. WEDGTON, FLORIDA 34212 / 941-749-0311

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