

Equipment Specification Manuals

For:

Lexington Plantation
400 Centennial Parkway
Cameron, NC 28326



PO Box 29 Fayetteville, NC 28302
3703 Bragg Boulevard Fayetteville, NC 28303
Phone: 910-868-8319
Fax 910-868-1487

INTELLIFLO® VSF

VARIABLE SPEED AND FLOW PUMP

TRADEGRADE



IntelliFlo VSF
Variable Speed and Flow
Pump

Featured Highlights

- Eight programmable speed or flow settings and built-in timer
- Rotatable keypad with optional wall mount kit (sold separately)
- Top-mounted field wiring compartment is easier to access and connect
- Totally enclosed fan-cooled design for increased performance and long life
- Menus are easier than ever to use
- Consistently maintains system flow requirements
- Compatible with Pentair Automation

Patent Information: www.pentair.com/patents

IntelliFlo VSF pump is the first variable speed and flow pump that adjusts to changes in flow conditions to maintain its preprogrammed flow rate to run optimally throughout the entire filtration cycle. Filters get the right amount of flow to maintain water clarity. Laminars and other water features perform more consistently. Equipment efficiency and service life increase.

Ordering Information

Product	Description	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³
INTELLIFLO VSF ENERGY EFFICIENT VARIABLE SPEED AND FLOW PUMP											
011056	IntelliFlo VSF	3.95	6.9	1.88	1.0	230	50/60	16.0	2" x 2"	53	UL ¹ , NSF ²
ACCESSORIES											
521109	IntelliCom 2 - Rated 9 - 30 V DC with 4 inputs										1
350122	Communication Cable - 50 ft. - Included with pump										2
357156	Chemical Resistant Lid										1
356904Z	Keypad Relocation Kit										2
356198	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit										1
UNIONS											
11201-0154	2 in. x 2 in. Union (2 in. NPT male x 2 in. female NPT quick connect)										* Note: two required per pump (sold individually) 2

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

Note: Pump must be used with current collectors when installed on spas or hot tubs in Canada.

Refer to catalog page 58 for a selection of 2-Pole GFCI breakers which offer 6 milliamp personnel protection while meeting 2008 to current NEC Standards for Pool Pumps.

CALIFORNIA PROPOSITION 65 WARNING

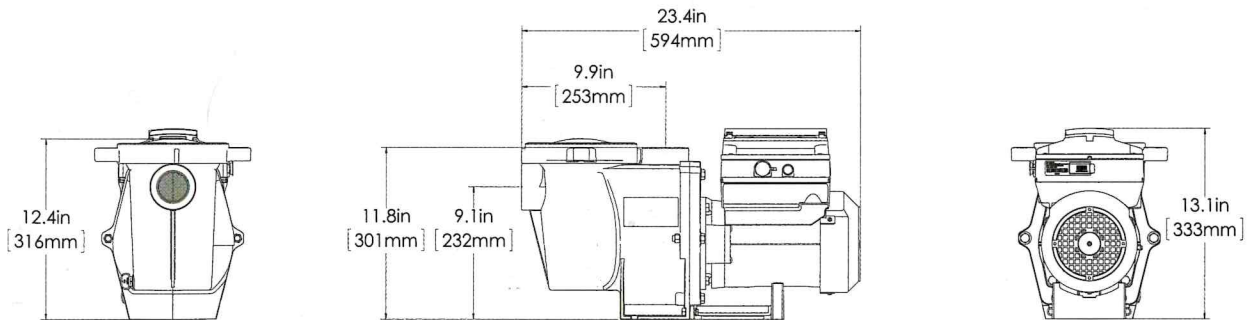
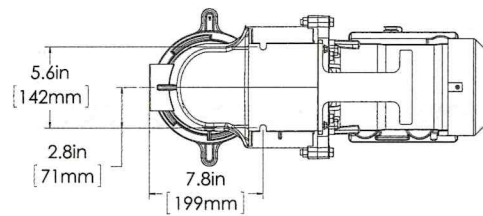
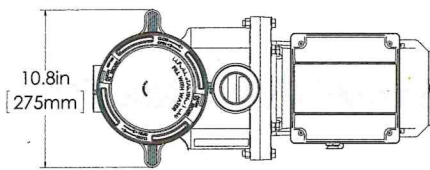
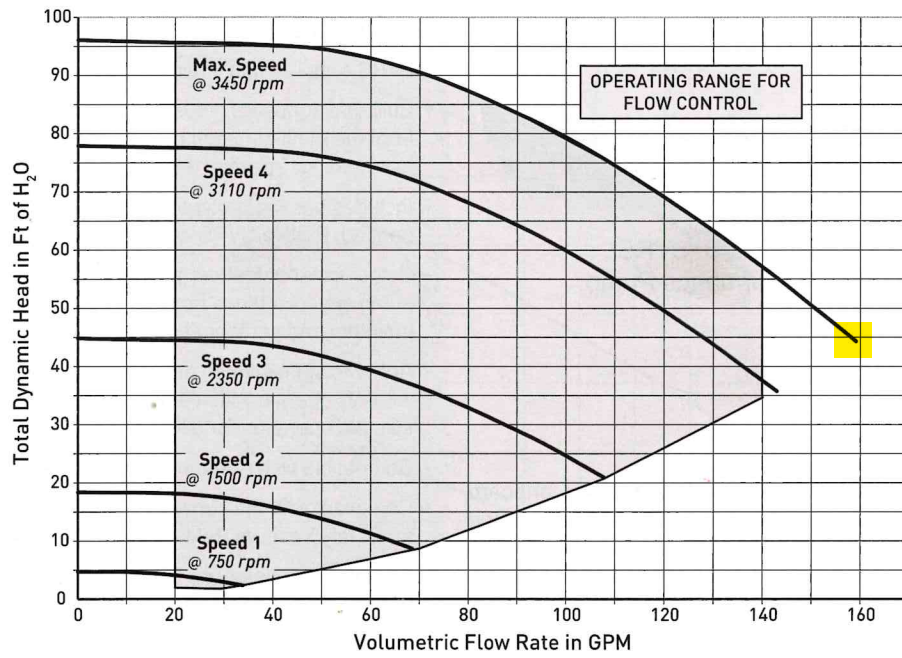
⚠ WARNING: Cancer and Reproductive Harm.
 ⚠ AVERTISSEMENT: Peut Causer le Cancer et des Dommages au Système Reproducteur.
 ⚠ ADVERTENCIA: Cáncer y Daño Reproductivo.

www.p65warnings.ca.gov

INTELLIFLO[®] VSF

VARIABLE SPEED AND FLOW PUMP (CONT'D)

Dimensions and Performance



See page 472 for replacement parts.

PENTAIR AUTOMATIC CHLORINE/BROMINE FEEDERS

Featured Highlights

- 300 and 320 series feeders available in clear amber for easy tablet level monitoring
- Completely enclosed system – no special venting required
- No escaping gases
- 50 PSI maximum operating pressure

In-Line Feeders

- **320 Series.** For permanent installation in return line of new or existing pools or spas. Installs in return line on pressure side of pump downstream of all equipment. Standard with 2 in. slip PVC fittings and adapters for 1-1/2 in.

Off-Line Feeders

- **300 Series.** Retrofits into existing pools or spas. Operates on pressure side of pump. Uses 1/4 in. feeder hoses, control valve and fittings.



Pentair Chlorine and Bromine Feeders

Years of customer use and satisfaction have proven Pentair feeders to be the performance leader in pool & spa chemical dispensers.

Output rating for Bromine is not NSF Certified.

CALIFORNIA PROPOSITION 65 WARNING

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www.p65warnings.ca.gov

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
IN-LINE FEEDERS				
R171096 ¹	320	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons bottom feed and 18,000 to 70,000 gallons top feed.	1	30
R171218 ¹	320C	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons in a bottom feed configuration and 18,000 to 70,000 gallons in a top feed configuration with see-through amber body.	1	30
OFF-LINE FEEDERS				
R171016 ¹	300	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons.	1	26
R171022 ¹	300C	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons with see-through amber body.	1	26
R171026	302	Spa feeder. Includes spa chamber. Treats 500 to 2,000 gallons. Holds 15 small tablets.	1	28
R171056 ¹	300-19	Spa feeder includes double-capacity 19 in. chamber. Treats 13,000 to 52,000 gallons.	1	5
R171066 ¹	300-29	Spa feeder includes triple-capacity 29 in. chamber. Treats 14,000 to 57,000 gallons.	1	6
COMMERCIAL AND HIGH CAPACITY FEEDERS				
R171070 ¹	300-29X	Heavy duty 1/2 in. control valve and tubing optimizes flow and erosion to provide larger amounts of sanitizer. Dispenses 8.5 lbs. of 1 in. Trichlor Tablets in 24 hours. Holds 29 large or 237 small tablets. Treats 80,000 to 322,000 gallons.	1	8
R171215 ¹	HC-3315	High capacity for 1 in. hard plumbing installations. Holds 15 lbs. of tablets. Treats up to 20,200 gallons with Bromine and up to 97,600 gallons with Trichlor.	1	9
R171230 ¹	HC-3330	High capacity for 1 in. hard plumbing installations. Holds 30 lbs. of tablets. Treats up to 40,000 gallons with Bromine and up to 160,000 gallons with Trichlor.	1	12
R171240 ¹	HC-3340	High capacity for 1 in. hard plumbing installations. Holds 40 lbs. of tablets. Treats up to 61,000 gallons with Bromine and up to 332,000 gallons with Trichlor.	1	14

Note: Pentair Automatic Chlorine/Bromine feeders are for use with slow dissolving trichlor or bromine tablets only.

¹ NSF listed for public or residential use in Swimming Pools, Spas or Hot Tubs using 1" Trichlor tablets and when used with a flow indicating device such as Model # R172080. Output rating for Bromine is not NSF Certified.

CHARGING INSTRUCTIONS

Exercise extreme caution when operating or servicing feeder. **DO NOT INHALE FUMES**, especially in hot weather which can create more gases. Wear protective gear. Follow chemical manufacturer's instructions for handling the chemical.

1. Shut off pump and close control valve. Wait one minute. If feeder is below water level, before opening drain valve, be sure to close any in-line valve(s) to prevent back flow. Open vent valve on top of lid. Open drain valve on bottom of feeder. (Always drain water into plastic container and then pour contents back into pool.)

2. Close drain valve. Then depress lock spring and unscrew lock ring counter-clockwise. Remove lid and fill with proper size chlorine or bromine slow dissolve tablets.

3. Before replacing lid, clean and lubricate o-ring with Lifeguard Silicone Lubricant only. Push lid firmly into position. Close vent valve. Thread on lock ring clockwise until lock spring snaps into place. Do not force lock ring past lock spring.

4. Open any in-line valve(s) and turn on pump and timer switches.

5. Adjust control valve to desired setting.

WARNING During no flow through feeder, potential for elevated chemical concentrations and hazardous gas introduction exists.

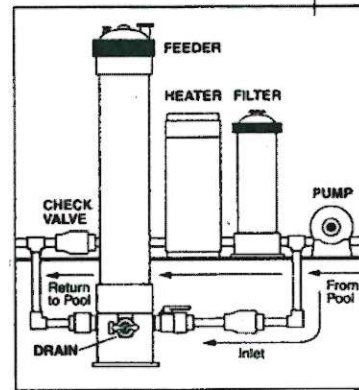
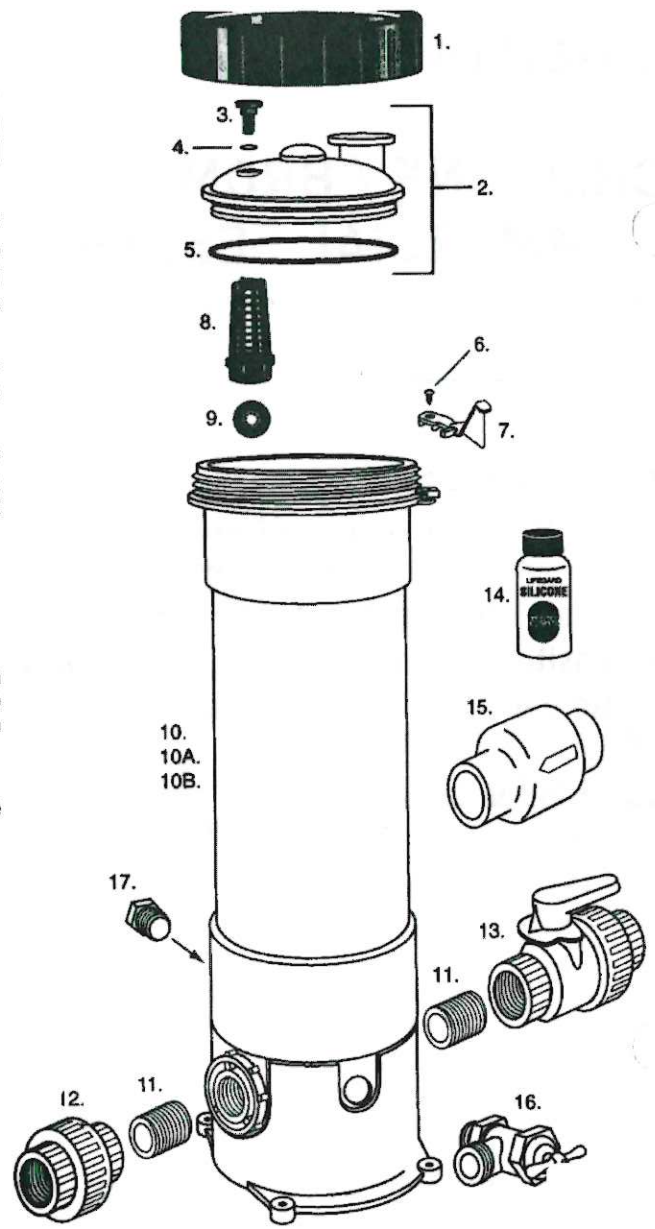
NOTE: If isolation valves are used anywhere in the system, you must remember to open them before start-up. To prevent gas buildup and pressure in feeder, be sure to keep return line valve(s) open, except when opening or servicing unit. Close control valve when adding other chemicals to your pool, vacuuming, backwashing or adding DE to filter.

WINTERIZING

If feeder is subject to freezing, drain all water from chamber. Carefully remove any undissolved tablets. Rinse out feeder with water, replace lid with vent valve slightly open and keep unit covered all winter.

PARTS LIST

Item	Qty	Part No.	Description
1	1	R172214	Lock Ring
2	1	R172385D	Lid Assembly Complete
3	1	R172224X	Vent Valve
4	1	R172221	O-Ring Valve
5	1	R172240	O-Ring Lid to Housing
6	1	R172375	Lock Screw
7	1	R172374	Lock Spring
8	1	R175251	Screen
9	1	R172435	Check Ball
10	1	R172436	HC 3315 Housing w/stand
10A	1	R172437	HC 3330 Housing w/stand
10B	1	R172438	HC 3340 Housing w/stand
11	2	R270484	1" Close Nipple
12	1	R270531	1" Threaded Union
13	1	R172439	Control Valve
14	1	R172036	Silicone Lubricant
15	Optional	R172288	1½" - 2" Check Valve
16	1	R175009	½" Drain Valve
17	1	R172134	½" Threaded Plug
	Optional	R172082	Flow Rate Indicator



Pentair
Flow Indicator
#R172082

PERFORMANCE DATA SPECIFICATION*

MODEL	Capacity (Lbs.)	Tested Flow rate @100% Setting (GPM)	Output Rate (lbs/hr) @100% Setting*				Maximum Pool Size (10PPM) @ 34 GPM		Cl Tested Flow rate @50% Setting (GPM)	Output Rate (lbs/hr) @50% Setting*		Br Tested Flow rate @50% Setting (GPM)	Output Rate (lbs/hr) @50% Setting*	
			Cl-Pool	Cl-Spa	Br-Pool	Br-Spa	Trichlor	Bromine		Cl-Pool	Cl-Spa		Br-Pool	Br-Spa
HC-3315	15	34	2.8	4.8	0.5	1.0	224,000	38,690	17.8	2.1	1.8	25	0.4	0.6
HC-3330	30	34	4.6	7.9	1.1	2.2	369,000	65,556	17.8	3.4	3.0	25	0.8	1.2
HC-3340	40	11.5	3.0	5.7	0.6	1.4	658,533	105,176	9.2	2.6	5.4	9	0.5	1.2

Maximum Working Pressure - 50 PSI

* Results based on use of 1" BioGuard® bromine tablets and 1" HTH chlorine tablets.



To be NSF listed, a flow rate indicator such as #R172082 must be installed on inlet line.

Output rating for Bromine is not NSF certified.

Technical Support: (800) 831-7133

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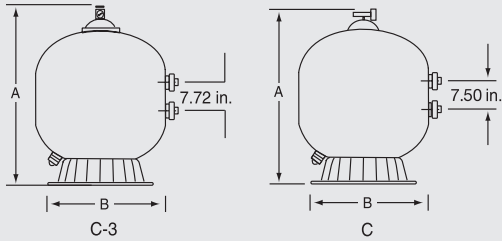


TRITON® C SERIES

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.

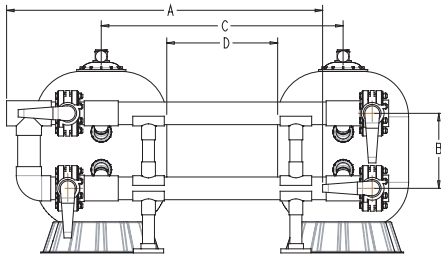


TR100 HD

Triton Commercial Series Sand Filter Specifications

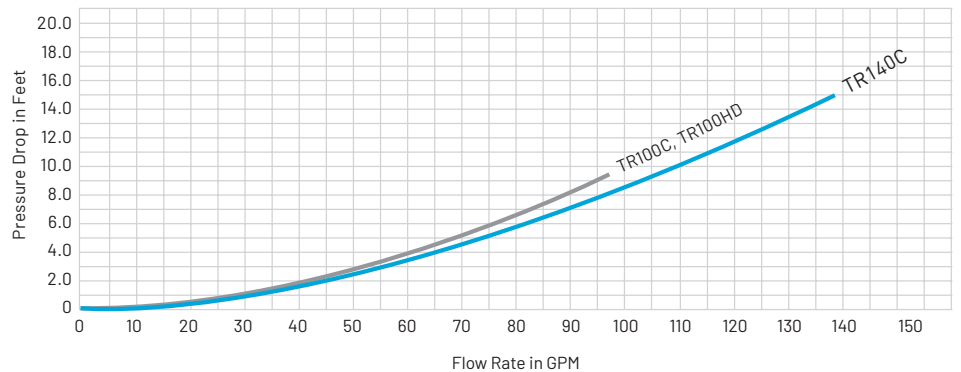
Model Number	Filter Area Sq. Ft.	Flow Rate		Turnover Capacity Gallons		Dimension		Media Required	
		15 GPM/sq. ft.*	6 Hours	8 Hours	A	B	Sand	Sand/Gravel	
TR100C	4.91	74	26,640	35,520	39 3/4"	30 1/2"	600 lbs.	450 lbs./150 lbs.	
TR140C	7.06	106	38,160	50,880	45 1/4"	36 1/2"	925 lbs.	650 lbs./275 lbs.	
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.	

We are using 20GPM *15 GPM/sq.ft. typical commercial flow rate, Triton C Filters are NSF approved for 5-20 GPM/sq.ft.



Two Filter System	A	B	C	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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PRE-PLUMBED VALVES

BACKWASH VALVES FOR 1-1/2 & 2 IN. D.E. AND SAND FILTERS

Side mounted HiFlow™ and Multiport Valves are designed for maximum performance and working pressures. Available in 1-1/2 and 2 in. threaded or slip models.

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 PB 201514

Featured Highlights

- PVC body
- The right valve for easy operation
- Six-position, positive-lock operation
- Special winterizing position

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
MULTIPORT VALVE KIT FOR FILTERS, SLIP			
261055	2 in. MPV, for Triton & Quad D.E. filters [SM 20-3] 7-1/2 in. Centerline	1	10
261152	2 in. MPV, for FNS, FNS Plus & NSP filters [SM 20-2] 7-1/2 in. Centerline	1	10
261173	1-1/2 in. MPV, for Triton & Quad D.E. filters [SM 10-3] 7-1/2 in. Centerline	1	6
261177	1-1/2 in. MPV, for FNS, FNS Plus & NSP filters [SM 10-2] 7-1/2 in. Centerline	1	7
HIFLOW VALVE KIT FOR FILTERS, SLIP			
261050	2 in., w/ bulkhead fittings, for Triton & Quad D.E. filters, 7-1/2 in. Centerline	1	11
261142	2 in., w/ bulkhead fittings, for FNS, FNS Plus & NSP filters, 7-1/2 in. Centerline	1	11
PVC SLIDE VALVE, SLIP			
263064	Push Pull Valve, 7-1/2 in. Center, PVC, Almond	1	4.5
263079	2 in. w/o bulkhead fittings for D.E. and sand filters, 7-1/2 in. Centerline	1	3
FULLFLOXF BACKWASH VALVES			
262507	Sta-Rite version for System 3 Mod D.E., inlet on top, with Sta-Rite offset adapters glued on	1	11
262508	Sta-Rite version for System 3 D.E. and Sand, inlet on bottom, with Sta-Rite offset adapters glued on	1	10
262509	Valve with filter inlet port on top, no fittings, only valve	1	10
262511	Valve with filter inlet port on bottom, no fittings, only valve	1	10
263080	Valve for Sand and Quad D.E., inlet port on top, Pentair 2 in. unions glued on	1	12
263081	Valve for D.E., inlet port on bottom, Pentair 2 in. unions glued on	1	12



HiFlow Valve Kit
261050



PVC Slide Valve
Kit
263064



Multiport Valve Kit
261055



eco select™ FullFloXF®
Backwash
Valve Kit
263080

For Health Hazard Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series 009 by others not Pool Contractor Reduced Pressure Zone Assemblies

Sizes: 1/4" – 2"

Series 009 Reduced Pressure Zone Assemblies are designed to protect potable water supplies in accordance with national plumbing codes and water authority requirements. This series is designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing.

This series features two in-line, independent check valves, captured springs and replaceable check seats with an intermediate relief valve. Its compact modular design facilitates easy maintenance and assembly access. Sizes 1/4" – 1" shutoffs have tee handles.

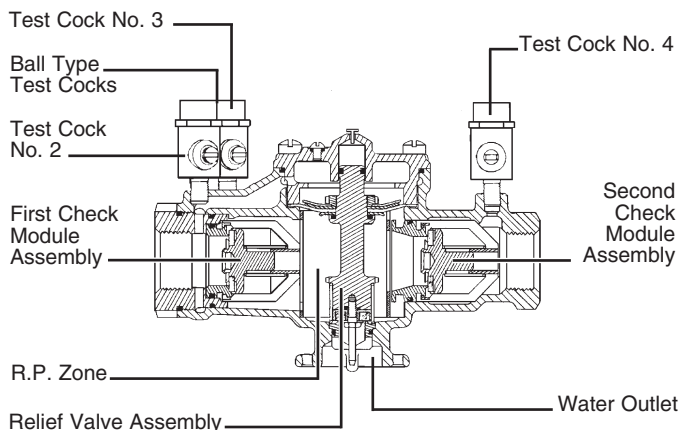
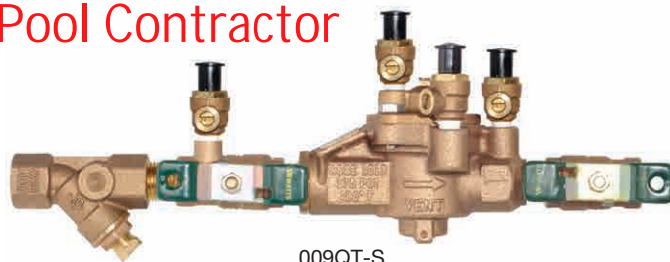
Features

- Single access cover and modular check construction for ease of maintenance
- Top entry - all internals immediately accessible
- Captured springs for safe maintenance
- Internal relief valve for reduced installation clearances
- Replaceable seats for economical repair
- Bronze body construction for durability 1/4" – 2"
- Ball valve test cocks — screwdriver slotted 1/4" – 2"
- Large body passages provides low pressure drop
- Compact, space saving design
- No special tools required for servicing

Specifications

A Reduced Pressure Zone Assembly shall be installed at each potential health hazard location to prevent backflow due to backsiphonage and/or backpressure. The assembly shall consist of an internal pressure differential relief valve located in a zone between two positive seating check modules with captured springs and silicone seat discs. Seats and seat discs shall be replaceable in both check modules and the relief valve. There shall be no threads or screws in the waterway exposed to line fluids. Service of all internal components shall be through a single access bronze cover secured with stainless steel bolts. The assembly shall also include two resilient seated isolation valves, four resilient seated test cocks and an air gap drain fitting. The assembly shall meet the requirements of: USC; ASSE Std. 1013; AWWA Std. C511-92; CSA B64.4. Shall be a Watts Series 009.

†Does not indicate approval status. Refer to Page 2 for approved sizes & models.



Now Available
WattsBox Insulated Enclosures.
 For more information, send for literature ES-WB.

NOTICE
 Inquire with governing authorities for local installation requirements

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



MODEL SHOWN: 554500

UPC 7-57706 00116-8

pH Liquid Acid/ORP Liquid Chlorine System

INCLUDES: Programmable Digital pH/ORP Controller complete with Flow Cell, Flow Switch, Sample Valves, ORP and pH Probes, 40' of Black 3/8" Tubing, 100' Clear 7/16" Tubing and Fittings, two Pro Series 300 Peristaltic Pumps (38 GPD), In-line Flow Cell Strainer.



NEW! THE PRO SERIES 300 PERISTALTIC PUMPS

The **NEW PRO Series 300 Peristaltic Pumps** maintain the best of the Rola-Chem Pro Series legacy* while improving primary function and simplifying set up.



MODEL SHOWN : RC305MC
P/N 543818
UPC 7-57706 00038-3

Three-Roller Operation

*Mounting patterns and many parts interchange with legacy Pro Series models.



MODEL SHOWN: RC301MC
P/N 543807
UPC 7-57706 00027-7

Two-Roller Operation
(1) GPD Pump Only

ALL ROLA-CHEM PUMPS ARE NSF c UL US LISTED

ESTIMATED FEED RATES

AT GIVEN TIMER SETTINGS – GALLONS PER DAY

SETTING %	ON TIME	OFF TIME	RC301	RC303	RC305	RC307
1	5.4 SEC	8.9 MIN	—	0.12	0.38	0.77
2	10.8 SEC	8.8 MIN	0.02	0.24	0.76	1.54
3	16.2 SEC	8.7 MIN	0.03	0.36	1.14	2.31
4	21.6 SEC	8.6 MIN	0.04	0.48	1.52	3.08
5	27.0 SEC	8.6 MIN	0.05	0.60	1.90	3.85
6	32.4 SEC	8.5 MIN	0.05	0.72	2.28	4.62
7	37.8 SEC	8.4 MIN	0.06	0.84	2.66	5.39
8	43.2 SEC	8.3 MIN	0.07	0.96	3.04	6.16
9	48.6 SEC	8.2 MIN	0.08	1.08	3.42	6.93
10	54.0 SEC	8.1 MIN	0.09	1.20	3.80	7.70
15	1.4 MIN	7.7 MIN	0.14	1.80	5.70	11.55
20	1.8 MIN	7.2 MIN	0.18	2.40	7.60	15.40
25	2.3 MIN	6.8 MIN	0.23	3.00	9.50	19.25
30	2.7 MIN	6.3 MIN	0.27	3.60	11.40	23.10
35	3.2 MIN	5.9 MIN	0.32	4.20	13.30	26.95
40	3.6 MIN	5.4 MIN	0.36	4.80	15.20	30.80
45	4.1 MIN	5.0 MIN	0.41	5.40	17.10	34.65
50	4.5 MIN	4.5 MIN	0.45	6.00	19.00	38.50
55	5.0 MIN	4.1 MIN	0.50	6.60	20.90	42.35
60	5.4 MIN	3.6 MIN	0.54	7.20	22.80	46.20
65	5.9 MIN	3.2 MIN	0.59	7.80	24.70	50.05
70	6.3 MIN	2.7 MIN	0.63	8.40	26.60	53.90
75	6.8 MIN	2.3 MIN	0.68	9.00	28.50	57.75
80	7.2 MIN	1.8 MIN	0.72	9.60	30.40	61.60
85	7.7 MIN	1.4 MIN	0.77	10.20	32.30	65.45
90	8.1 MIN	54.0 SEC	0.81	10.80	34.20	69.30
95	8.6 MIN	27.0 SEC	0.86	11.40	36.10	73.15
99	8.9 MIN	5.4 SEC	0.89	11.88	37.62	76.23
On	CONTINUOUS		0.90	12.00	38.00	77.0

THE PRO SERIES 300 PERISTALTIC PUMPS FEATURE:

- New commercial design
- Fully digital timer
- Refined dosing increments— for more precise control
- New, more versatile mounting options
- Other features include: quick-release cover for fast tubing access, three-way switch controls timer/off/continuous, self-priming pump and clear Tygon and Black Norprene Squeeze Tubes
- The Pro Series 300 retains a 30psi rating and versatile 18-ft. suction lift.
- Pumps operate on 9-minute cycles and are available in 120V or 240V corded or permanent wire configurations with maximum amps—2.5

SEE ROLA-CHEM.COM FOR THE COMPLETE LIST OF PRO SERIES 300 MODELS

ROLA-CHEM PRO SERIES OUTPUT – TIMER MODE

PRO SERIES 300 MODEL	LEGACY SERIES MODEL	MINIMUM FEED RATE/24HR	MAXIMUM FEED RATE/24HR	RECOMMENDED VOLUME OF SPA WATER TO BE TREATED (GALLONS)*	RECOMMENDED VOLUME OF POOL WATER TO BE TREATED (GALLONS)*	MAX. VOLUME OF WATER TO BE TREATED (GALLONS) - PER CALIFORNIA BUILDING CODE TITLE 24
RC-301	RC-252 SC	.01 GPD	.9 GPD	500–2,500	2,500–5,000	3,000
RC-303	RC-25/53 SC	.12 GPD	12 GPD	2,500–25,000	5,000–65,000	40,000
RC-305	RC-103 SC	.38 GPD	38 GPD	—	65,000–200,000	127,000
RC-307	RC-503 SC	.75 GPD	77 GPD	—	180,000–400,000	257,000

GPD = GALLONS PER DAY *USING 12.5% LIQUID CHLORINE

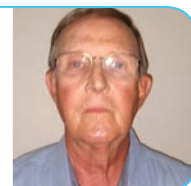
OUTPUT FOR DIGITAL CONTROLLER APPLICATIONS

	ROLA-CHEM PRO SERIES OUTPUT	RECOMMENDED VOLUME SPA	RECOMMENDED VOLUME POOL
RC-301	.08 Ounces Per Minute	Not Recommended	Not Recommended
RC-303	1.06 Ounces Per Minute	500 to 2,000 Gallons	Up to 30,000 Gallons
RC-305	3.37 Ounces Per Minute	2,000 to 5,000 Gallons	Up to 80,000 Gallons
RC-307	6.84 Ounces Per Minute	5,000 to 12,000 Gallons	80,000 Plus Gallons



"Consistently tracking and maintaining proper pH and sanitizer levels is very important for the safety of swimmers and is also vital to the longevity of operating equipment. The 555XXP controller from Rola-Chem tracks pH and sanitizer consistently and rarely requires recalibration, this is big time saver for us."

John Sims—Blue Marlin Pool Services



youtube.com/user/inforolachem



CHEMICAL TANKS

Rola-Chem offers a range of heavy duty tanks and covers available in 5, 15, 30, and 55 gallon sizes. Precision mold-ed of high-density polyethylene polymer, which is highly resistant to corrosive solutions.

Chemical Tanks Feature:

- Heavy Duty Construction—formed from high-density polyethylene
- Translucent - allows visual check of chemical level
- UV Protected - solar rays will not damage chemicals

PART NO.	PRODUCT DESCRIPTION	CAPACITY	HT.	DIA.	WT.
561405	Tank/Cover/Plug - 5 Gallon	5 Gallon	15.5"	15"	6#
561415	Tank/Cover/Plug - 15 Gallon	15 Gallon	23"	17"	15#
561430	Tank/Cover/Plug - 30 Gallon	30 Gallon	30"	20"	21#
561455	Tank/Cover/Plug - 55 Gallon	55 Gallon	38"	27"	22#
561265	System Tank*	15 Gallon	36.75"	15"	17#

SYSTEM TANK

System Tanks Feature:

- Convenient mounting of your Rola-Chem Pump on tank
- Includes chemical refill and pick-up holes
- Heavy Duty Construction—formed from high-density polyethylene
- Translucent—allows visual check of chemical level
- UV Protected—solar rays will not damage chemicals

543853 UPC 7-57706 00281-3
RC305MC Rola-Chem Pro Series 300 Pump 120 volt 38 GPD mounted on a 15-Gallon Poly Tank

543854 UPC 7-57706 00282-0
RC303MC Rola-Chem Pro Series 300 Pump 120 volt 12 GPD mounted on a 15-Gallon Poly Tank

543857 UPC 7-57706 00324-07
RC303MP Rola-Chem Pro Series 300 Pump 240 volt 12 GPD mounted on a 15-Gallon Poly Tank



*15 GAL. ONLY
(Pump not included)



SEE THESE AND OTHER "MAINTENANCE MADE EASY" PRODUCTS AT ROLA-CHEM.COM

SPA VAC
Self-contained spa and pool vacuum—extends to over 7 feet



ULTRA SCREEN
Catches debris and extends filter life



SCUMBUG
Removes scum line, devours grime and oils

POOL SENTRY
Maintains water level, protecting pumps against burnout



MAIN DRAIN FRAME AND GRATE

12" SQUARE MOFLOW® SUCTION OUTLET COVER AND MUD FRAME



VGBA CERTIFIED SPECIFICATIONS

Open Area
71.2 in²

For SOFA Specific Flow Ratings and specifications please scan QR code or visit www.aquastarpoolproducts.com/flowcode



FEATURES

All components meet or exceed APSP/ANSI/ICC-16 2017 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Easily and safely retrofits to 12" square 3/4" deep frames

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Trademarked VGBA compliance button easily identifies VGBA 2017 compliant cover from on deck and underwater

Online product support including downloadable CAD files, General Certificate of Conformity, third-party certificate, installation instructions and more

Replace drain cover every five years from the date of installation

See next page for additional product configurations

8 per case



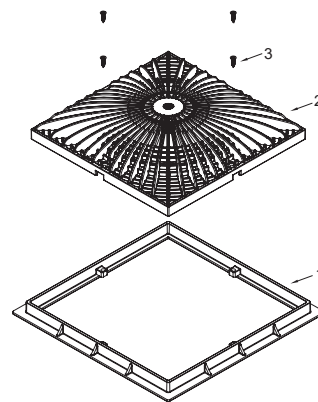
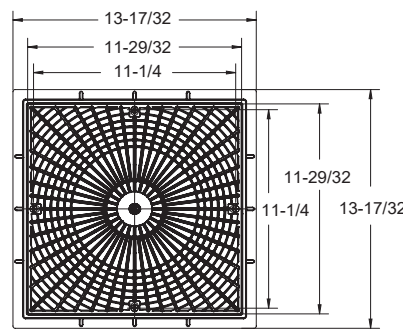
Part # 12MFxxx

Fits: AquaStar standard 12" models and American (Pentair) with 3/4" deep existing frames and four screw hole pattern.

STANDARD COLORS

- 12MF101 – White
- 12MF102 – Black
- 12MF103 – Light Gray
- 12MF105 – Dark Gray
- 12MF108 – Tan

VGBA 2017 Compliant



1. 12" Square Mud Frame
2. 12" Square MoFlow Suction Outlet Cover
3. 10 x 3/4" Flat Head Phillips, 316 SS, Qty 4

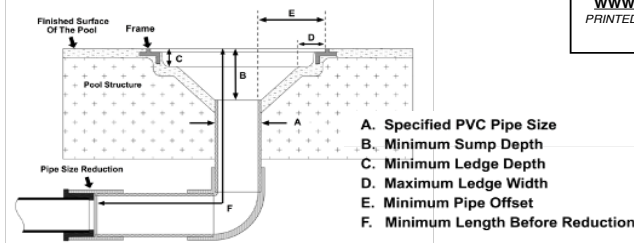
P 877-768-2717 F 877-276-POOL Outside the US: P +1-949-336-1940 F +1-949-336-1940
info@aquastarpoolproducts.com www.aquastarpoolproducts.com

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.

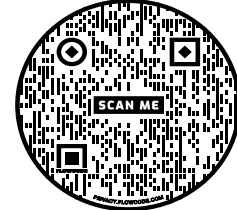
Cover Model Number:
12MFxxx



FIGURE 1 – SOFA MODEL & FLOW PATH



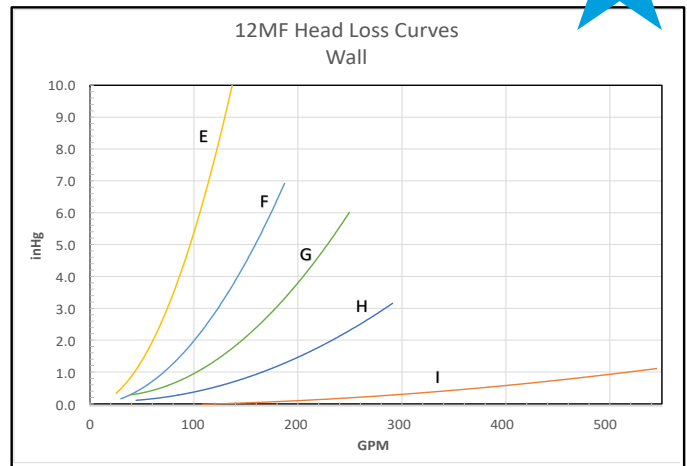
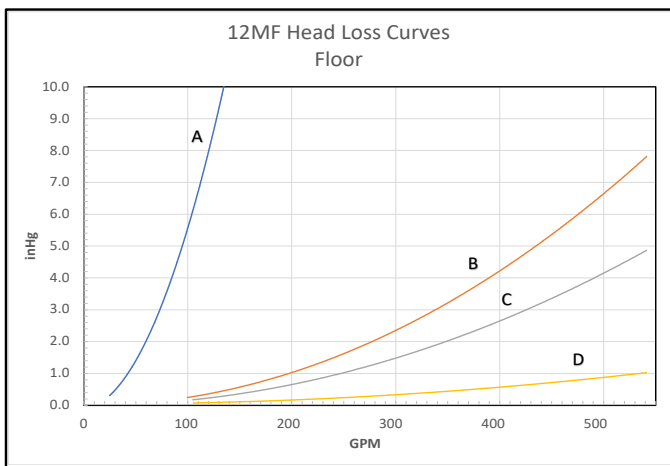
FOR MOST CURRENT INFORMATION
SCAN THE QR CODE OR VISIT
WWW.AQUASTARPOOLPRODUCTS.COM/FLOWCODE
PRINTED DOCUMENTS MAY NOT HAVE THE MOST CURRENT FLOW
RATINGS OR INSTALLATION OPTIONS.



SOFA Model No.	Pipe Size (Nominal)	Pipe Depth (Minimum)	Orientation (Wall / Floor)	Flow Rating (GPM)	Head Loss Curve
12MF-12f_A-1.5b_B3_C0.3_D0.7_E3.5_F16	1.5" (b)	3"	Floor (f)	126	A
12MF-12f_A-4s_B6_C0.3_D0.7_E3_F16	4" (s)	6"	Floor (f)	500	B
12MF-12f_A-4s_2.5b_B6_C0.3_D0.7_E3_F16	4"(s), 2.5" (b)	6"	Floor (f)	540	C
12MF-12f_A-6b_B10.5_C0.3_D0.7_E3_F16	6" (b)	10.5"	Floor (f)	540	D
12MF-12w_A-1.5b_B3_C0.3_D0.7_E3.5_F16	1.5" (b)	3"	Wall (w)	126	E
12MF-12w_A-2b_B3_C0.3_D0.7_E3.5_F16	2" (b)	3"	Wall (w)	150	F
12MF-12w_A-2.5b_B3_C0.3_D0.7_E4.7_F16	2.5" (b)	3"	Wall (w)	200	G
12MF-12w_A-3b_B3_C0.3_D0.7_E4_F16	3" (b)	3"	Wall (w)	230	H
12MF-12w_A-6b_B10.5_C0.3_D0.7_E3_F16	6" (b)	10.5"	Wall (w)	540	I

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.

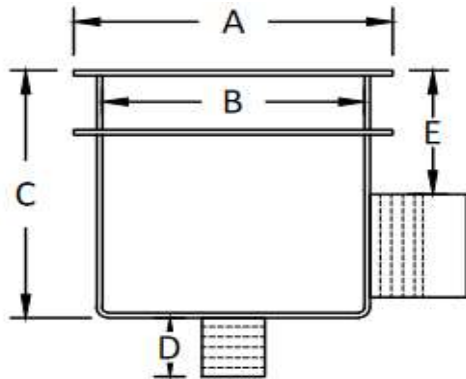


MAIN DRAIN FRAME AND GRATE

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



Field Built Sump Product Dimensions (Inches)							SCH40 Outlet fpt x soc	SOFA List
Size (inches)	ASA Part #	A	B	C	D	E		
9 x 9 x 9	FBS-50-809-3	11"	9"	12"	4.5"	6.5"	3"	A
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"	C
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 9MFXXX WAV9WRXXX 914XXX	Aquastar 12MFXXX WAV12WRXXX 1216XXX	Aquastar 12MFXXX WAV12WRXXX 1216XXX	Aquastar 18MFXXX WAV18WRXXX P18XXX SUN18HPHXXX	Aquastar 18MFXXX WAV18WRXXX P18XXX SUN18HPHXXX	Aquastar 24XXX WAV24XXX
Waterway 640-479XV	Waterway 640-472XV	Waterway 640-472XV	Waterway 640-477XV	Waterway 640-477XV	Waterway 640-476XV
Hayward WG1031HF	Hayward WG1032HF		Hayward WG1033HF		

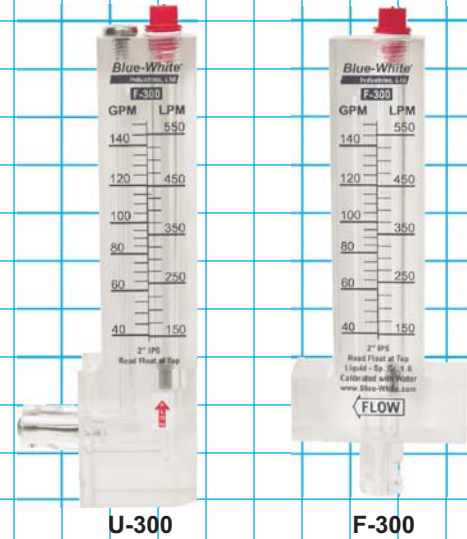
- 1) All Field Built Sumps shall be installed in accordance with the manufacturer's installation instructions.
- 2) All SOFA covers shall be installed in accordance with the manufacturer's installation instructions.
- 3) The A.S.A. MFG Inc. Fiberglass Field Built Sump Is intended only to be installed 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
- 5) Fiberglass Field Built Sump Life = Life of the Aquatic Center.

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.

v110821b

F-300 U-300 D-300

Clamp-on Insertion Mount
Dual GPM / LPM scale



Features:

- Dual GPM/LPM scale printed on both sides of the meter.
- 1" through 8" pipe sizes.
- Flow rates from 2 to 1900 GPM (8 to 7200 LPM).
- Corrosion resistant 316SS or Teflon internal float materials.
- One piece machined acrylic body.
- Mounts to existing pipe. No unions or adapters required.
- Models for mounting on horizontal or vertical pipe.
- Mounting clamps and gasket included.

Specifications:

Pipe Requirements: IPS inch pipe size (ASTM-D-1785)
Max. Psi (bar): 150 PSI (10.3 bar) @ 70° F (21° C)
Max. fluid temp.: 190° F (88° C) @ 0 PSI
Max. ambient temp.: 14° to 110° F / -10° to 43° C
Note: Temperature & Pressure ratings of meter only. Actual pipe rating may vary.

Full scale accuracy: +/- 10%
Power requirement: No power required
Enclosure: NEMA 4X (IP56)
Approximate shipping wt: ... 1"-4" units: 1 lb. (.45 kg)
 6"-8" units: 2 lb. (.91 kg)

Materials of Construction:

Meter Body: Cast Acrylic
Float: Standard range models = 316SS
 Low range models = Teflon
Gasket: Neoprene
Pipe Clamp: 300 series Stainless Steel
Pitot screw: 1" thru 2" models only. 300 series stainless Steel

Installation Requirements:

Minimum Straight Pipe Length Requirements

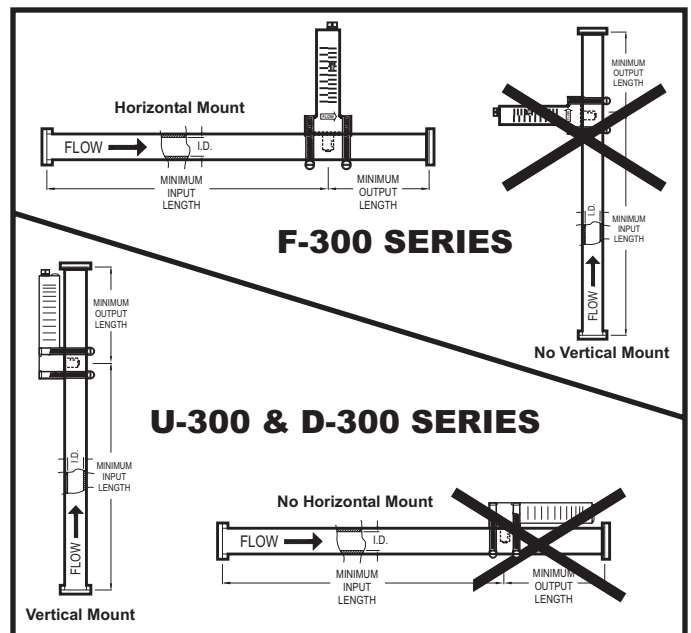
The meter's accuracy is affected by disturbances such as pumps, elbows, tees, valves, etc., in the flow stream. Install the meter in a straight run of pipe **as far as possible** from any disturbances. The distance required for accuracy is 10 times the nominal pipe diameter before the meter and 4 times the nominal pipe diameter after the meter.

Example of Minimum Straight Pipe Length Requirements

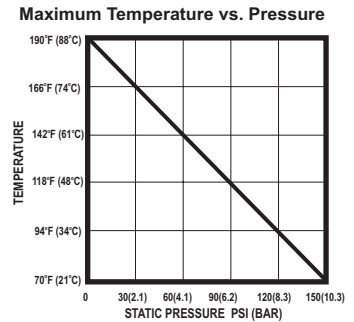
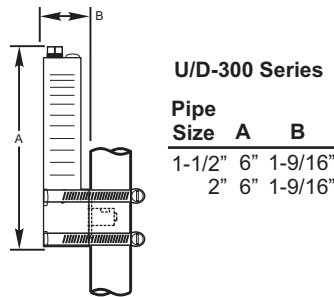
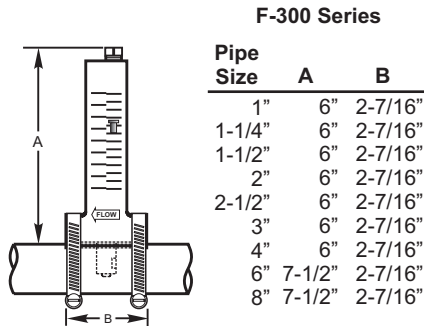
Nominal Pipe Diameter	Minimum Inlet Pipe Length	Minimum Outlet Pipe Length
3 inch	30 inch (10 X 3")	12 inch (4 X 3")
1-1/2 inch	15 inch (10 x 1.5")	6 inch (4 x 1.5")
6 inch	60 inch (10 x 6")	24 inch (4 x 6")

Mounting location

- The meter is designed to withstand outdoor conditions.
- F series meters must be mounted at the vertical (twelve o'clock) position on horizontal pipe only.
- U & D series meters must be mounted on vertical pipe only.
- The pipe must be completely full of water at all times.
- See the minimum straight length of pipe requirement chart above.
- The meter can accurately measure flow from one direction only.
- U-series meters measure upward flows only.
- D-series meters measure downward flows only.



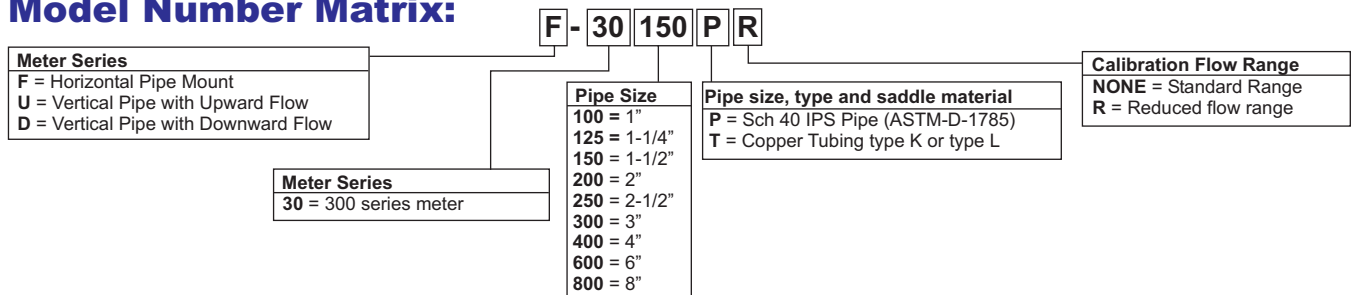
Dimensions:



Flow Stream Requirements:

Low viscosity fluids with a specific gravity of 1.0.

Model Number Matrix:



Pipe Size, Flow Range and Display Model Options:

Models for Mounting on Horizontal Pipe

Models for U.S. IPS Sch40 Pipe (ASTM 1785)

Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Model Number
1"	5 to 35	20 to 160	F-30100P
1"	2 to 10	8 to 38	F-30100PR
1-1/4"	15 to 75	60 to 280	F-30125P
1-1/4"	5 to 35	30 to 130	F-30125PR
1-1/2"	20 to 100	75 to 375	F-30150P
1-1/2"	9 to 30	30 to 110	F-30150PR
2"	40 to 150	150 to 550	F-30200P
2"	15 to 70	60 to 260	F-30200PR
2-1/2"	60 to 240	225 to 900	F-30250P
3"	80 to 300	300 to 1125	F-30300P
3"	40 to 140	160 to 520	F-30300PR
4"	125 to 500	550 to 2000	F-30400P
6"	250 to 1050	900 to 3900	F-30600P
8"	500 to 1900	2000 to 7200	F-30800P

Models for Copper Tubing types K & L

Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Model Number
1"	5 to 35	20 to 160	F-30100T
1"	2 to 10	8 to 38	F-30100TR
1-1/4"	15 to 75	60 to 280	F-30125T
1-1/4"	5 to 35	30 to 130	F-30125TR
1-1/2"	20 to 100	75 to 375	F-30150T
1-1/2"	9 to 30	30 to 110	F-30150TR
2"	40 to 150	150 to 550	F-30200T
2"	15 to 70	60 to 260	F-30200TR
2-1/2"	60 to 240	225 to 900	F-30250T
3"	80 to 300	300 to 1125	F-30300T
3"	40 to 140	160 to 520	F-30300TR
4"	125 to 500	550 to 2000	F-30400T
6"	250 to 1050	900 to 3900	F-30600T
8"	500 to 1900	2000 to 7200	F-30800T

Models for Mounting on Vertical Pipe

Models for U.S. IPS Sch40 Pipe (ASTM 1785)

Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Flow Direction	Model Number
1-1/2"	20 to 100	75 to 375	UP	U-30150P
1-1/2"	20 to 100	75 to 375	DOWN	D-30150P
1-1/2"	9 to 30	30 to 120	UP	U-30150PR
1-1/2"	9 to 30	30 to 120	DOWN	D-30150PR
2"	40 to 150	150 to 550	UP	U-30200P
2"	40 to 150	150 to 550	DOWN	D-30200P
2"	18 to 70	70 to 280	UP	U-30200PR
2"	18 to 70	70 to 280	DOWN	D-30200PR

Models for Copper Tubing types K & L

Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Flow Direction	Model Number
1-1/2"	20 to 100	75 to 375	UP	U-30150T
1-1/2"	20 to 100	75 to 375	DOWN	D-30150T
1-1/2"	9 to 30	30 to 120	UP	U-30150TR
1-1/2"	9 to 30	30 to 120	DOWN	D-30150TR
2"	40 to 150	150 to 550	UP	U-30200T
2"	40 to 150	150 to 550	DOWN	D-30200T
2"	18 to 70	70 to 280	UP	U-30200TR
2"	18 to 70	70 to 280	DOWN	D-30200TR

POOL SPECIALTY FITTINGS (CONT'D)

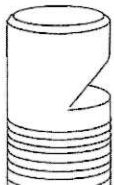


Ordering Information

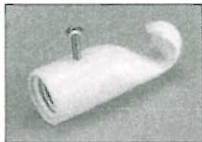
Product	Description	Carton Qty.	Carton Wt. (Lbs.)
FLOOR INLET FITTINGS			
08417-0000	2 in. Slip with 1-1/2 in. slip bushing, white ³	1	1
08417-0100	2 in. Slip with 1-1/2 in. slip bushing, grey ³	1	1
08417-0200	2 in. Slip with 1-1/2 in. slip bushing, black ³	1	1
SPECIAL FITTINGS			
46550000	Aerator Cap, 1-1/2 in. for air channel, white	50	13
46550015	Aerator Cap, 1-1/2 in. for air channel, dark grey	50	13
46550065	Aerator Cap, 1-1/2 in. for air channel, grey	50	13
510166	Hose adapter, straight, white ⁴	50	3
86201500	Aerator inlet (used as a return spray nozzle)	10	1
K12500	Snap Lock Kit Fitting	1	0.10
GW9530	Vac-port fitting, NSF listed	1	0.10
86200500	Vacuum or Winterizing plug with Oring	1	0.50
VALVE COVERS			
86300100	Valve Lid & Ring, ABS, 6 in., white	1	1
86300130	Valve Lid & Ring, ABS, 6 in., beige	1	1
GRATE INSERTS			
540056	Grate insert, 1-1/2 in. MIP, white ²	50	2
540057	Grate insert, 1-1/2 in. MIP, black ²	50	2
540058	Grate insert, 1-1/2 in. MIP, dark grey ²	50	2
ROPE ANCHORS & HOOKS			
542044	Anchor Cup with SS bar, white ¹	100	24
542045	Anchor Cup with SS bar, black ¹	100	24
86201200	Anchor Cup, ABS, white	100	16
86201215	Anchor Cup, ABS dark grey	100	16
86201300	Anchor Cup, ABS with SS cross bar, white ¹	100	16
86201400	Rope Hook, 3/4 in., ABS	150	16
542142	Rope Hook for 3/4 in. rope with two SS screws	200	22
STEPS			
82400700	ABS Steps, set of three, white	1	3
82400800	ABS Steps, set of three, grey	1	3



Vacuum Plug



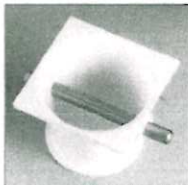
86201500



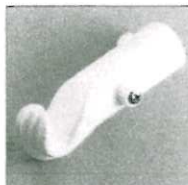
Rope Hook



Valve Lid & Ring ABS



542044



542142

¹ Not for use with saltwater pools.

² Not for use as a suction fitting.

³ Use only as a floor inlet fitting.

⁴ Hose to NPT fittings.

Fittings & Accessories Buying Guide

Clip Art

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Directional Flow Inlet Fittings – Standard (Return to Pool)				
SP1419A*	1 1/2" MIP	Hydrosweep slotted opening	50	7 lbs.
SP1419B*	1 1/2" MIP	Hydrostream 3/8" opening	50	7 lbs.
SP1419C*	1 1/2" MIP	Hydrostream 1/2" opening	50	7 lbs.
SP1419D*	1 1/2" MIP	Hydrostream 3/4" opening	50	7 lbs.
SP1419E*	1 1/2" MIP	Hydrostream 1" opening	50	7 lbs.
SP1420	1 1/2" MIP	Hydrostream, 1" rubber nozzle	25	5 lbs.
SP1421D*	1 1/2" SLIP	Hydrostream Insider Fitting – 3/4" opening	25	5 lbs.
SP1421E	1 1/2" SLIP	Hydrostream Insider Fitting – 1" opening	25	5 lbs.
SP1419T	—	Seat Removal Tool for Hydrosweep/Hydrostreams	100	5 lbs.

NOTE: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

Directional Flow Inlet Fittings – Extended Flange

SP1418D*	1 1/2" MIP	Hydrostream, large – 3/4" opening	50	10 lbs.
SP1422D	1 1/2" SLIP	Hydrostream Insider – 3/4" opening	50	12 lbs.
SP1422E	1 1/2" SLIP	Hydrostream Insider – 1" opening	50	11 lbs.

The following fittings all have 1 1/2" internal threads for use with directional fittings, plugs, grate inserts, outlet covers and Jet-Air hydrotherapy fittings. Choose the appropriate fittings for concrete, vinyl or fiberglass applications.

Inlet Receptacles & Vacuum Fittings – Concrete Pools

SP1022*	1 1/2" FIP	1.5" Threaded Return Fitting	50	11 lbs.
SP1022S*	1 1/2" SKT	1.5" Socket Return Fitting	50	11 lbs.
SP1022S2*	2" SKT	2" Socket PVC Return Fitting	50	15 lbs.
SP1022INS	1 1/2" INS	Fitting (1 1/2" FIP face x 1 1/2" SLIP stub end)	50	11 lbs.
SP1022B**	1 1/2" MIP	Flush Plug with Gasket	100	5 lbs.
SP1022C**	1 1/2" MIP	All Purpose Plug with O-Ring	100	6 lbs.
SP1022C2BLK	2" MIP	All Purpose Plug With O-Ring	50	5 lbs.
SP1044*	1 1/2" SKT(ID) or 2" SLIP (OD)	Flush Return Fitting with PVC Body – 3/4" opening and mud cover	50	25 lbs.
SP1044INS*	1 1/2" INS	Insider Flush Return Fitting with PVC Body – 3/4" opening and mud cover	50	25 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

**Available in Gray and Black. Add suffix GR for Gray and BLK for Black.

Vac Lock Safety Wall Fitting

W400BWHP		Vac Lock Safety Wall Fitting, White	10	2.5 lbs.
W400BBKP		Vac Lock Safety Wall Fitting, Black	10	2.5 lbs.
W400BDGR		Vac Lock Safety Wall Fitting, Dark Gray	10	2.5 lbs.
W400BLGP		Vac Lock Safety Wall Fitting, Lt. Gray	10	2.5 lbs.



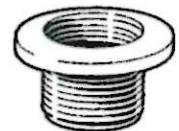
SP1419D



SP1421D



SP1418D



SP1022



SP1022C



SP1044

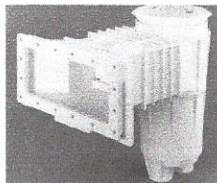
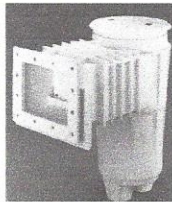
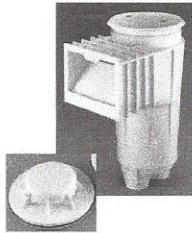
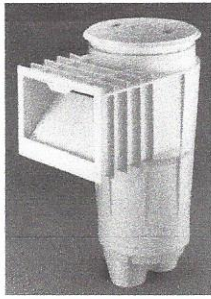


SP1044I

**Hayward
Wall Return Inlet
SP-1419C (5)**

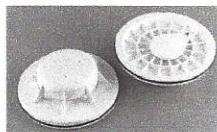
BERMUDA™ SKIMMERS (CONT'D)

Ordering Information

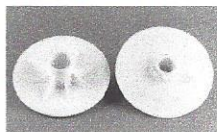


Product	Description	Material Type	Carton Qty.	Carton Wt. (Lbs.)
GUNITE SKIMMERS				
506300	2 in. Slip ports, white	PVC	1	10
506301	2 in. Threaded ports, white	PVC	1	10
506302	2 in. Slip ports, tan	PVC	1	10
506304	1-1/2 in. Slip ports, white	PVC	1	10
506361	2 in. Slip ports, white	ABS	1	10
506362	2 in. Threaded ports, white	ABS	1	10
506363	1-1/2 in. Slip ports, white	ABS	1	10
506364	1-1/2 in. Threaded ports, white	ABS	1	10
506365	2 in. Slip ports, black	ABS	1	10
GUNITE SKIMMERS WITH FLOAT VALVE ASSEMBLY				
506382	2 in. Slip ports, tan	ABS	1	10
506308	2 in. Slip ports with float valve, white	PVC	1	10
506309	2 in. Threaded ports with float valve, white	PVC	1	10
506310	2 in. Slip ports, tan	PVC	1	10
GUNITE SKIMMERS WITH FLOAT VALVE & EQUALIZER VALVE ASSEMBLY				
506370	2 in. slip ports, white ¹ (BKG)	PVC	1	10
506380	2 in. slip ports, white ¹ (ABKG)	ABS	1	10
506381	2 in. threaded ports, white ¹ (ABKG)	ABS	1	10
VINYL/FIBERGLASS SKIMMER				
506420	1-1/2 in. Slip ports, white	ABS	1	10
506421	1-1/2 in. Threaded ports, white	ABS	1	10
506480	1-1/2 in. Threaded ports, black	ABS	1	10
WIDE-MOUTH SKIMMER FOR VINYL LINER & FIBERGLASS POOLS				
506520	1-1/2 in. Slip ports, white	ABS	1	10
506521	1-1/2 in. Threaded ports, white	ABS	1	10
506581	1-1/2 in. Threaded ports, black	ABS	1	10

¹ NSF listed.



A



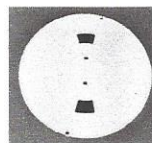
B



D



E



F

Item	Product	Description	Carton Wt. (Lbs.)
BERMUDA ACCESSORIES			
A	506160	Float valve assembly	1
B	506161	Vacuum plate/insert assembly, white	0.50
C	506162	Equalizer valve assembly	1.3
D	516220	Square deck ring seat, white	0.62
E	516253	Gunite extension collar, white, 3-1/8 in. length	0.20
E	516258	Gunite extension collar, tan, 3-1/8 in. length	0.60
E	516329	Gunite extension collar, black, 3-1/8 in. length	0.60
F	510327	Deck lid and collar assembly with screws, dark grey	1.3
F	510332	Deck lid, dark grey	0.50
F	516215	Deck lid, white	0.50
F	516216	Deck lid, tan	0.50
F	516254	Deck lid and collar assembly with screws, white	1.3
F	516261	Deck lid and collar assembly with screws, tan	1.3
F	516306	Deck lid, black	0.50
F	516328	Deck lid and collar assembly with screws, black	1.3

See pages 603 for replacement parts.

IntelliBrite® 5g White LED

Underwater LED Lights for Swimming Pools and Spas



IntelliBrite 5g White LED
Pool Light

IntelliBrite® 5g White LED offers a brighter, more energy efficient alternative to incandescent white lighting. Utilizing its array of LEDs, it is also ideal for commercial applications.

Featured Highlights

- The brightest most energy efficient white LED pool light on the market
- Energy efficient utilizing up to 86% less energy than comparable incandescent lights
- Superior lens geometry and exclusive reflector design combine to create a wider beam and more uniform light distribution
- Pool lens can be rotated to 180 degrees to provide wide beam pattern (standard) or narrow beam pattern
- Compatible with Pentair Stainless steel and plastic niches
- Available in 120V and 12V versions
- Available in 300W, 400W, and 500W incandescent equivalencies

Ordering Information for Pool Lights

Product	Voltage	Cord Length (Ft.)	Incandescent Equivalency	Carton Qty.	Carton Wt. (Lbs.)
INTELLIBRITE 5g WHITE POOL LIGHTS – 300 WATT EQUIVALENT, 120 VOLT					
601100	120V	30 ft.	300W Equivalency	1	
601101	120V	50 ft.	300W Equivalency	1	
601102	120V	100 ft.	300W Equivalency	1	
601103	120V	150 ft.	300W Equivalency	1	
601104	120V	250 ft.	300W Equivalency	1	
INTELLIBRITE 5g WHITE POOL LIGHTS – 300 WATT EQUIVALENT, 12 VOLT					
601105	12V	30 ft.	300W Equivalency	1	
601106	12V	50 ft.	300W Equivalency	1	
601107	12V	100 ft.	300W Equivalency	1	
601108	12V	150 ft.	300W Equivalency	1	
INTELLIBRITE 5g WHITE POOL LIGHTS – 400 WATT EQUIVALENT, 120 VOLT					
601200	120V	30 ft.	400W Equivalency	1	
601201	120V	50 ft.	400W Equivalency	1	
601202	120V	100 ft.	400W Equivalency	1	
601203	120V	150 ft.	400W Equivalency	1	
601204	120V	250 ft.	400W Equivalency	1	
INTELLIBRITE 5g WHITE POOL LIGHTS – 400 WATT EQUIVALENT, 12 VOLT					
601205	12V	30 ft.	400W Equivalency	1	
601206	12V	50 ft.	400W Equivalency	1	
601207	12V	100 ft.	400W Equivalency	1	
601208	12V	150 ft.	400W Equivalency	1	
INTELLIBRITE 5g WHITE POOL LIGHTS – 500 WATT EQUIVALENT, 120 VOLT					
601300	120V	30 ft.	500W Equivalency	1	
601301	120V	50 ft.	500W Equivalency	1	
601302	120V	100 ft.	500W Equivalency	1	
601303	120V	150 ft.	500W Equivalency	1	
601304	120V	250 ft.	500W Equivalency	1	
INTELLIBRITE 5g WHITE POOL LIGHTS – 500 WATT EQUIVALENT, 12 VOLT					
601305	12V	30 ft.	500W Equivalency	1	
601306	12V	50 ft.	500W Equivalency	1	
601307	12V	100 ft.	500W Equivalency	1	
601308	12V	150 ft.	500W Equivalency	1	



Pentair
Underwater LED Pool Light
500 W 120V
601302 (2)

Lighting - White

VAC LOCK COVER

VAC LOCK COVER
1.5" MIP X 1.25" HOSE



GET DETAILS



CMP Part Number	Compare To	Full Description
25505-000-000	W400BHP	White Vac Lock Cover
25505-001-000	W400BLGP	Gray Vac Lock Cover
25505-004-000		Black Vac Lock Cover
25505-007-000		Dark Gray Vac Lock Cover
25505-009-000		Tan Vac Lock Cover

AUTOMATIC WATER FILLERS

WATER LEVEL CONTROL



Automatic Water Fillers

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

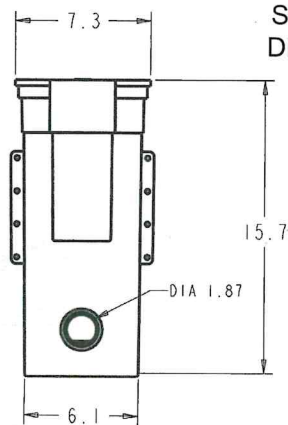
Featured Highlights

- Available for standard in-ground and vanishing edge pools
- Helps prevent equipment damage due to low water levels
- No electronic controls
- Aids in the prevention of water waste and landscape damage due to overfilling pool
- Available with white, black, gray, and almond colored lids

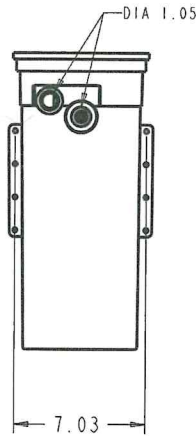
Ordering Information

Product	Description
AUTOMATIC WATER FILLERS	
T40BBE	AutoFill w/ side mounted float valve, almond
T40BBK	AutoFill w/ side mounted float valve, black
T40BG	AutoFill w/ side mounted float valve, gray
T40BDG	AutoFill w/side mounted float valve, dark gray
T40BW	AutoFill w/ side mounted float valve, white
T40FB	AutoFill w/ Fluidmaster® valve, almond
T40FBK	AutoFill w/ Fluidmaster valve, black
T40FG	AutoFill w/ Fluidmaster valve, gray

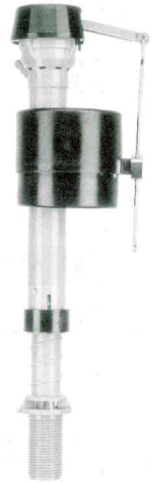
Product	Description
T40FW	AutoFill w/ Fluidmaster valve, white
T40FDG	AutoFill 2/Fluidmaster valve, dark gray
T40FNB	AutoFill Vanishing Edge w/ Fluidmaster valve, almond
T40FNBK	AutoFill Vanishing Edge w/ Fluidmaster valve, black
T40FNG	AutoFill Vanishing Edge w/ Fluidmaster valve, gray
T40FNDG	AutoFill Vanishing Edge w/ Fluidmaster valve, dark gray
T40FNW	AutoFill Vanishing Edge w/ Fluidmaster valve, white



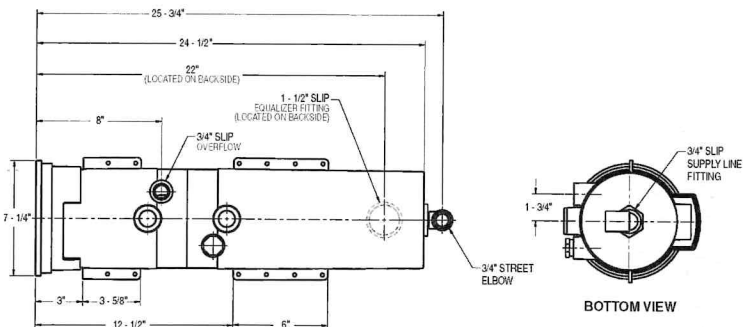
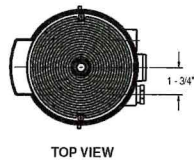
Small Filler Dimensions



Fluidmaster Valve

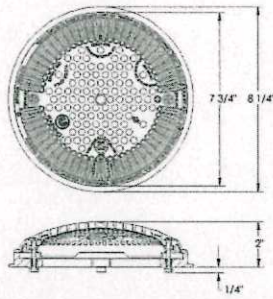
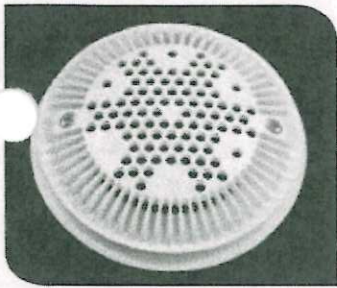


Large Filler Dimensions



See page 600 for replacement parts.

Frames & Covers

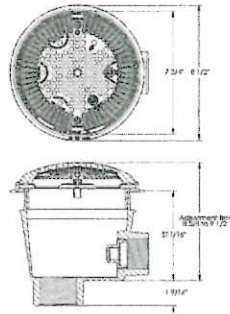


Open Area – 14 sq. in.

Model Number	Size	Description	Flow Rate
WG1030AVPAK2	7 7/8" Dia	Dual pack White	125
WG1030AVBPAK2	7 7/8" Dia	Dual pack Black	125
WG1030AVGPAK2	7 7/8" Dia	Dual pack Gray	125
WG1048E*	7 7/8" Dia	Floor Cover	125
WG1048EW*	7 7/8" Dia	Wall Cover	72
WG1048B*		Vinyl Ring	—

*Add BLK for Black or GR for Gray color.

Deluxe Suction Outlets

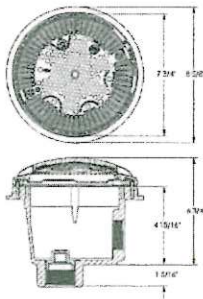


Open Area – 7 sq. in.

Model Number	Side	Bottom	Description
WG1153AVPAK2	1 1/2"	2"	Dual sumps with covers, for Concrete
WG1154AVPAK2	2"	2"	

Standard screws are 3/16" max, wall thickness

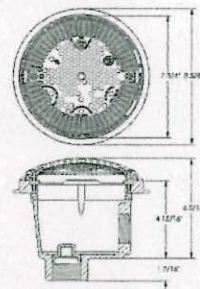
Suction Outlets



Open Area – 8.1 sq. in.

Model Number	Size	Description
WG1048AVPAK2	1 1/2"	Dual Sumps with covers, for Vinyl, or fiberglass
WG1049AVPAK2	2"	

*Standard screws are 3/16" max, wall thickness

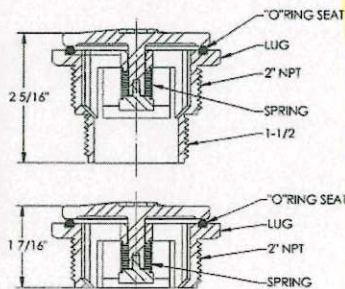


Open Area – 7 sq. in.

Model Number	Side	Bottom	Description
WG1051AVPAK2	1 1/2"	1 1/2"	Dual Sumps with covers, for Concrete
WG1052AVPAK2	2"	1 1/2"	
WG1053AVPAK2	1 1/2"	2"	Dual Sumps with covers, for Concrete
WG1054AVPAK2	2"	2"	
WB1051X			Adjustable Collar for Plaster Concrete

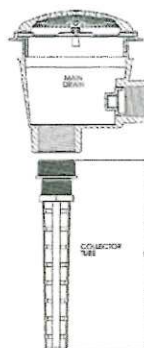
*Standard screws are 3/16" max, wall thickness

Hydrostatic Relief Valve



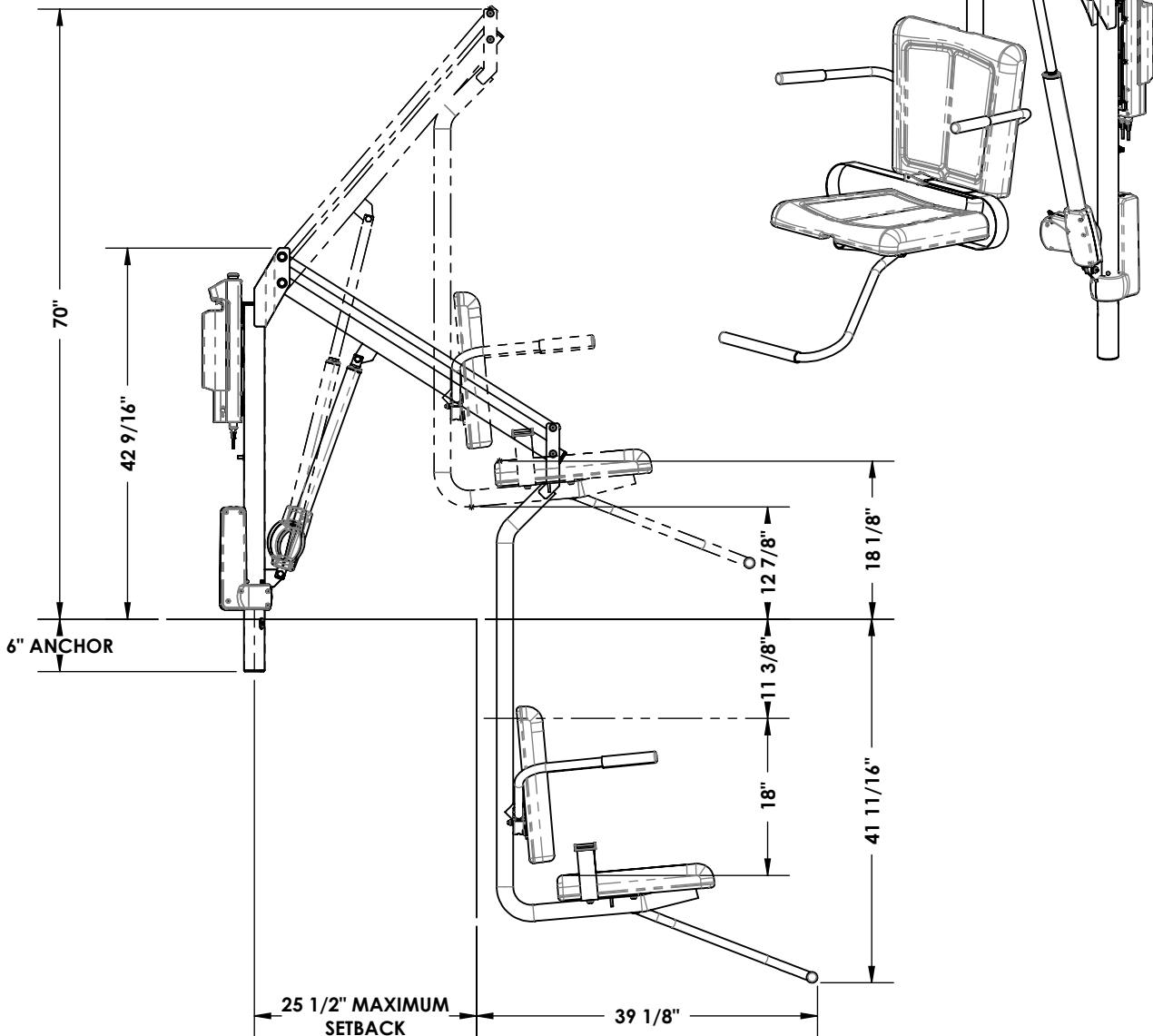
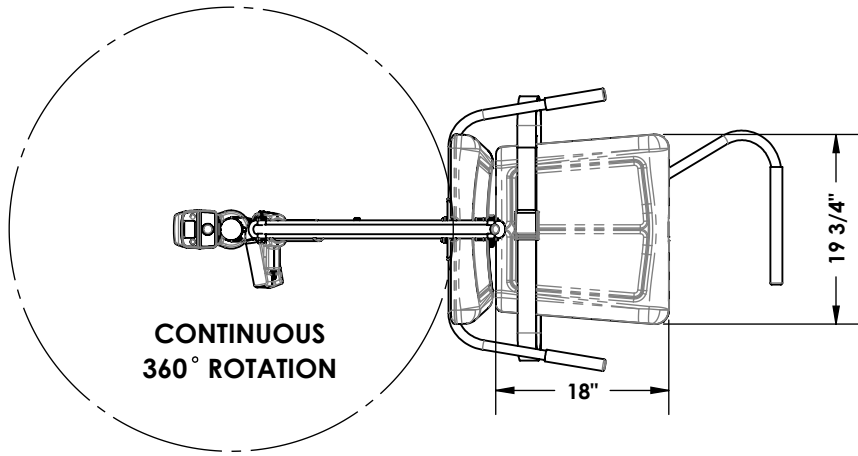
Model Number	Size	Description
SP1056	1 1/2", 2"	Spring Loaded

Main Drain Collector Tube



Hydrostatic Relief Valve SP1056 (1)

Model Number	Size	Description
SP1055	1 1/2", 2"	12" long collector tube



NOTE:

1 DIMENSIONS VARY WITH SPECIFIC APPLICATIONS. SPECIFICATIONS ARE NOMINAL AND ARE SUBJECT TO CHANGE. PLEASE CONTACT SPECTRUM AQUATICS FOR CUSTOM APPLICATIONS.



ENGINEERING DATA

PRODUCT: **MOTION TREK 350**

PRODUCT #: 153121

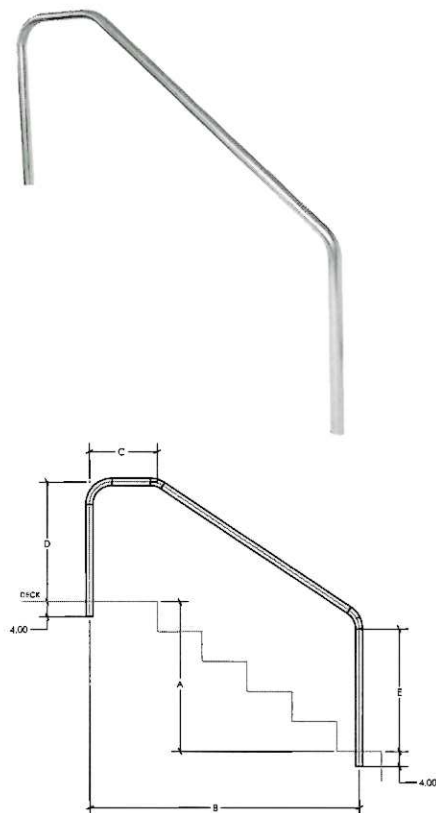
MATERIAL: 304L STAINLESS STEEL

REVISION: A Wednesday, April 20, 2016 11:15:04 AM

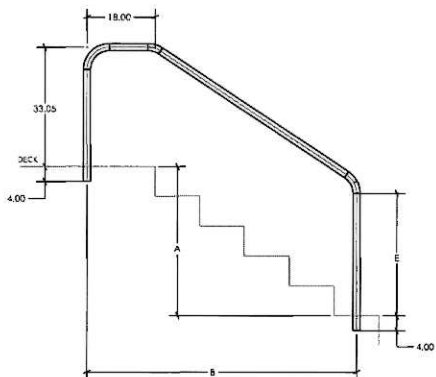
Hand & Stair Rails

3-Bend

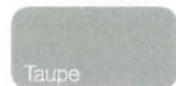
- Tubing: 1.90" OD
- Wall Thickness: .049", .065"
- Type: 304, 316L* stainless steel
- Bends: 6" Radius
- Powder Coating & SealedSteel Available



Heavy Duty Three Bend

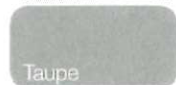


Powder Coated Colors



Actual product colors may vary

SealedSteel Colors



Actual product colors may vary

SRSmith
7' Stainless Steel 3 Bend Handrail
3-HR-7-.065-MG (2)

Model #	Description	A	B	C	D	E	Shipping Wt.	L	W	H
3HR-4	4' 3-BEND	26"	4'-0"	18"	32"	26"	17 lbs.	60"	42"	2"
3HR-5	5' 3-BEND	36"	5'-0"	18"	32"	26"	22 lbs.	72"	42"	2"
3HR-5.5	5'6" 3-BEND	32"	5'-6"	18"	32"	29"	25 lbs.	78"	42"	2"
3HR-6	6' 3-BEND	46"	6'-0"	18"	32"	26"	27 lbs.	84"	42"	2"
3HR-6.5	6'6" 3-BEND	32"	6'-6"	35"	34"	29"	30 lbs.	90"	42"	2"
3HR-7	7' 3-BEND	36"	7'-0"	40"	30"	29"	32 lbs.	94"	42"	2"
3HR-8	8' 3-BEND	30"	8'-0"	53"	34"	33"	37 lbs.	105"	42"	2"

*Marine Grade, add -MG to part number when ordering. REQUIRED for Salt Pools.

Note: Anchor sockets and escutcheons are not included. Add -1 to part number for extended length on pool (front) leg. Add -2 to part number for extended length on both legs. Add -3 to part number for extended length on deck (back) leg. Add -.049 for .049", -.065 for .065" wall thickness. Example: 2HR-5-.049 5' 2-bend rail, .049 wall. For powder coated add -RG for Rock Gray, -PW for White, or -TP for Taupe to the part number when ordering. For SealedSteel add -VW for White, -VG for Pewter Gray, or -VT for Taupe to the part number when ordering.

Heavy Duty 3-Bend

- Tubing: 1.90" OD or 1.50" OD
- Wall Thickness: .065", .109", or .145"
- Type: 304 stainless steel

Item No.	Description	Shipping Wt.	L	W	H
10154	4 foot 3-bend, .065" wall, 1.90" OD	14 lbs.	60"	42"	2"
10155	4 foot 3-bend, .109" wall, 1.90" OD	23 lbs.	60"	42"	2"
10156	4 foot 3-bend, .145" wall, 1.90" OD	30 lbs.	60"	42"	2"
12050	4 foot 3-bend, .120" wall, 1.50" OD	17 lbs.	60"	42"	2"
10157	5 foot 3-bend, .065" wall, 1.90" OD	16 lbs.	72"	42"	2"
10158	5 foot 3-bend, .109" wall, 1.90" OD	25 lbs.	72"	42"	2"
12051	5 foot 3-bend, .120" wall, 1.50" OD	18 lbs.	72"	42"	2"
10159	5 foot 3-bend, .145" wall, 1.90" OD	33 lbs.	72"	42"	2"
10160	6 foot 3-bend, .065" wall, 1.90" OD	17 lbs.	84"	42"	2"
10161	6 foot 3-bend, .109" wall, 1.90" OD	28 lbs.	84"	42"	2"
12052	6 foot 3-bend, .120" wall, 1.50" OD	20 lbs.	84"	42"	2"
10162	6 foot 3-bend, .145" wall, 1.90" OD	36 lbs.	84"	42"	2"

Commercial Ladder



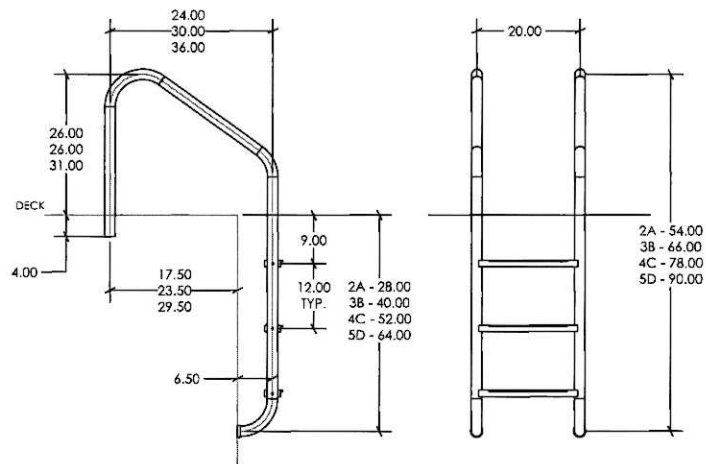
- Tubing: 1.90" OD (1.50" OD available upon request)
- Wall Thickness: .065"
- Type: 304, 316L* stainless steel
- Bends: 6" radius
- Stainless steel, LTDF-103 treads

Model No.	Description
LF-X-2A	2-Step Ladder
LF-X-3B	3-Step Ladder
LF-X-4C	4-Step Ladder
LF-X-5D	5-Step Ladder
LFB-X-2A	2-Step Ladder with cross brace
LFB-X-3B	3-Step Ladder with cross brace
LFB-X-4C	4-Step Ladder with cross brace
LFB-X-5D	5-Step Ladder with cross brace
LFB-36-3B-12	Special 36" crossbrace 3-step ladder w/ 12" extended length

Key to order: X=Width dimension: 24 for 24" ladder, 30 for 30" ladder, or 36 for 36" ladder
Safety step kits also available. Add a T to the end of the part number when ordering.

*Marine Grade, add -MG to part number when ordering. REQUIRED for Salt Pools.

NOTES: Frames extend 6 1/2" from the pool wall. Frame is secured to the pool deck with two anchor sockets on 20" centers. Lower end of frame is bent to meet pool wall and fitted with two white rubber bumpers.



SRSmith
Stainless Steel Commercial Ladder
LF-24-3B-MG (2)