

CV/CL SERIES
Cartridge Filters



Jandy[®]
Pro Series
by ZODIAC[®]

CV-CL SERIES
CARTRIDGE FILTER

Crystal Clear Clarity



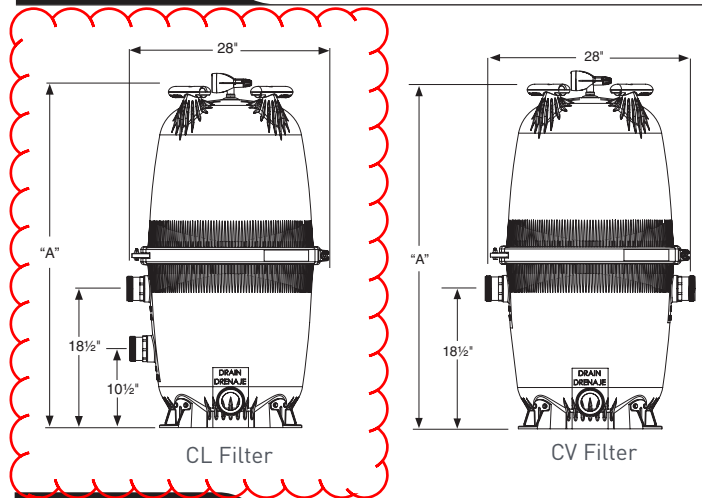


Jandy Pro Series CV & CL Cartridge Filters

The CV and CL Cartridge Filters set the benchmark in cartridge filtration. Loaded with user-friendly features, Jandy Pro Series Cartridge Filters optimize surface area and help provide clean, sparkling water. They are constructed of durable and corrosion-resistant materials for maximum durability and are available in 340, 460 and 580 square foot models.

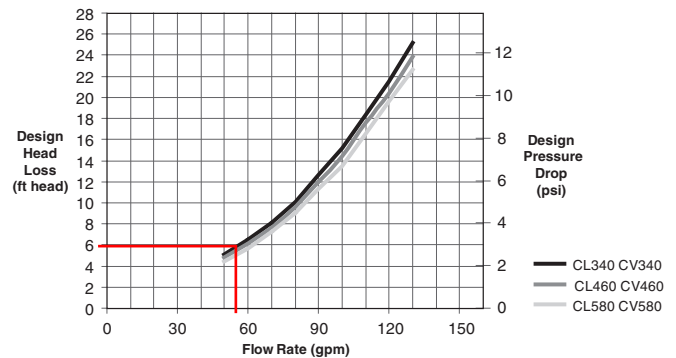
- » The included Sweep Elbow and unions allow the filter to easily connect to nearly all Jandy Pro Series products
- » 2" x 2½" Universal Unions and easy grip handles make installation and cleaning easy
- » Extra large 2" drain port allows for easy cleaning
- » Unique pressure gauge features clean/dirty indicator that can be customized, making it easy to assess filter cartridge condition

DIMENSIONS



PERFORMANCE

CV/CL Filter Head Loss Curves



SPECIFICATIONS

Specifications and Dimensions, CL & CV series Filters						
Model Number	CL340	CL460	CL580	CV340	CV460	CV580
Filter Area	340 ft ²	460 ft ²	580 ft ²	340 ft ²	460 ft ²	580 ft ²
Design Flow Rate	.37 gpm/ft ²	.33 gpm/ft ²	.26 gpm/ft ²	.37 gpm/ft ²	.33 gpm/ft ²	.26 gpm/ft ²
Maximum Flow	127 gpm	150 gpm	150 gpm	127 gpm	150 gpm	150 gpm
Six Hour Capacity	45,720 gallons	54,000 gallons	54,000 gallons	45,720 gallons	54,000 gallons	54,000 gallons
Eight Hour Capacity	60,960 gallons	72,000 gallons	72,000 gallons	60,960 gallons	72,000 gallons	72,000 gallons
Maximum Working Pressure	50 psi	50 psi	50 psi	50 psi	50 psi	50 psi
Cartridges Required	4 (85ft ² each)	4 (115ft ² each)	4 (145ft ² each)	4 (85ft ² each)	4 (115ft ² each)	4 (145ft ² each)
Shipping Weight	93 lbs.	95 lbs.	101 lbs.	106 lbs.	106 lbs.	112 lbs.
Height ("A")	41 inches	41 inches	47 inches	41 inches	41 inches	47 inches
Footprint	25" dia. circle	25" dia. circle	25" dia. circle	25" dia. circle	25" dia. circle	25" dia. circle
Distance Between Inlet and Outlet	8"	8"	8"	Not Applicable	Not Applicable	Not Applicable

Zodiac Pool Systems, Inc.
2620 Commerce Way, Vista, CA 92081
1.800.822.7933 | www.ZodiacPoolSystems.com

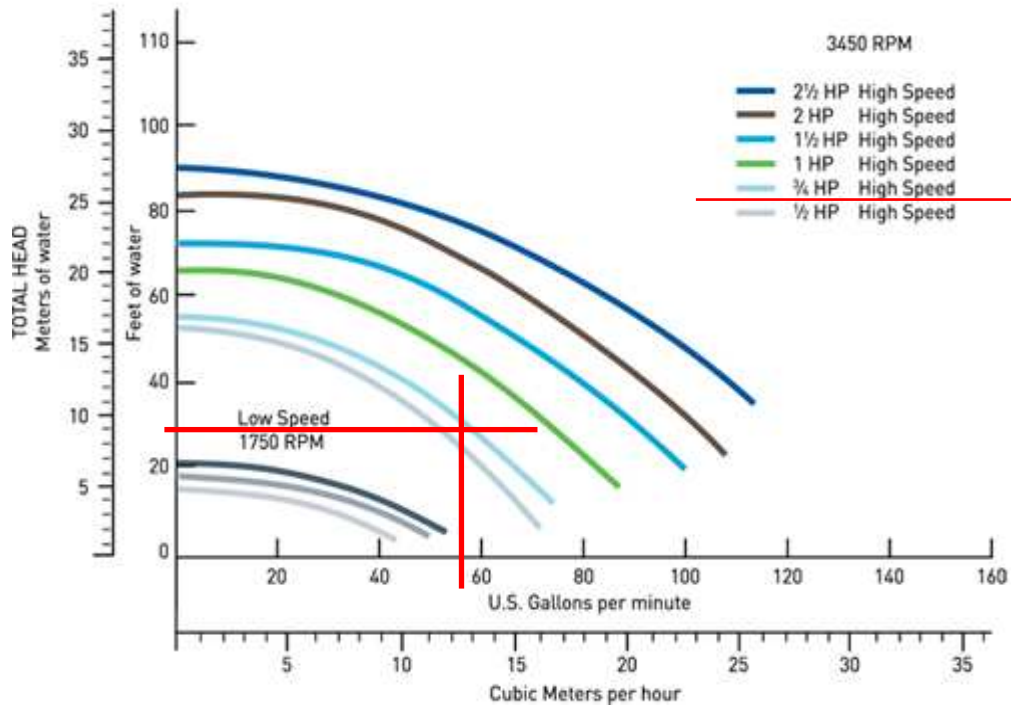
Zodiac Pool Systems Canada, Inc.
2115 South Service Road West, Unit #3, Oakville, ON L6L 5W2
1.888.647.4004 | www.ZodiacPoolSystems.ca

ZODIAC® FAMILY OF BRANDS | Heritage of Excellence

©2016 Zodiac Pool Systems, Inc. ZODIAC® is a registered trademark of Zodiac International, S.A.S.U., used under license. SL6257 Rev B 0316

SUPERFLOW PUMP : MODEL SF_N2_1A : 3/4 HP

PERFORMANCE CURVES



SUPERFLO®

HIGH PERFORMANCE PUMP



EFFICIENT, QUIET, RUGGED AND VERSATILE

The SuperFlo pump is a product of more than 40 years of innovative hydraulic engineering. The result is an ability to move more water more efficiently for lower operating cost and super-quiet operation. Plus, by performing with less effort, there's simply less wear and tear—and that means longer life for a higher return on your pump investment.

- With ½ HP–2½ HP and single- and two-speed options, there's a perfect match to your application and assurance of minimum energy consumption.
- Cam and Ramp™ Lid locks in place with a quarter-turn.
- Heavy-duty, high-service-factor, 56-square-flange motor for long life—commercial grade at a consumer price.
- Quiet operation due to superior internal flow design that reduces hydraulic noise.
- See-through lid permits easy inspection of strainer basket.
- The SuperFlo pump is a direct, and superior, replacement for the Hayward® Super Pump®.
- Select pump models are now ENERGY STAR® certified.



Select SuperFlo pumps from Pentair are ENERGY STAR® certified. These pumps meet strict energy-efficiency criteria set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. These pumps save money, reduce energy use and protect the environment.



SUPERFLO[®]

HIGH PERFORMANCE PUMP

When outfitting your new pool or looking for a superior replacement for a Hayward[®] Super Pump[®], the SuperFlo pump drops right into place with ease to minimize installation time and expense

Heavy-duty motor for long service life

Superior hydraulic design and thick-walled body parts deliver super-quiet operation



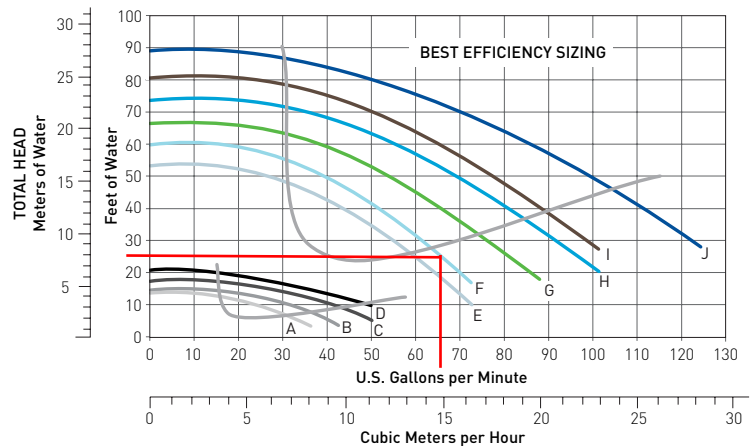
THE STRONG SILENT TYPE

The SuperFlo pump meets all the criteria for a superior pool, spa or water feature pump. It's super energy efficient, super quiet and super easy to maintain. Plus, it's designed with innovative materials that will stand up to the most demanding installations and conditions. Whether you're choosing your first pump or replacing older technology, the SuperFlo pump is definitely a super choice.

- Self-priming for quicker, easier start-up.
- 115-volt or 230-volt models available.
- Performance and pressure tested to ensure superior quality.
- UL/cUL listed.
- NSF certified.

AVAILABLE FROM:

PERFORMANCE CURVES



Curve Key	Part Number	HP	Curve Key	Part Number	HP
E	348021	1/2	G	340038	1
F	348022	3/4	H	340039	1-1/2
G	348023	1	I	340040	2
H	348024	1-1/2	J	340041	2-1/2
I	348025	2	A, F	341111	3/4
J	348026	2-1/2	B, G	340042	1
E	340036	1/2	C, H	340043	1-1/2
F	340037	3/4	D, I	340044	2



1620 HAWKINS AVE, SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

All Pentair trademarks and logos are owned by Pentair or one of its global affiliates. SuperFlo[®] and Cam and Ramp[™] are trademarks and/or registered trademarks of Pentair Water Pool and Spa, Inc. and/or its affiliated companies in the United States and/or other countries. Hayward[®] and Super Pump[®] are registered trademarks of Hayward Industries, Inc. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

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

6/15 Part # P1-232 ©2015 Pentair Water Pool and Spa, Inc. All rights reserved.

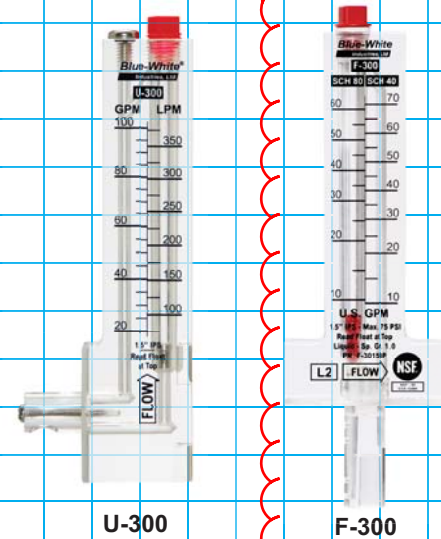


F-300

U-300

D-300

Clamp-on Insertion Mount



U-300

F-300

Features:

- 1" through 8" pipe sizes.
- Flow rates from 4 to 1900 GPM (15 to 7200 LPM).
- Corrosion resistant 316SS, PTFE, or PVDF 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.
- NSF Listed (1, 1 1/4", 1 1/2", and 2" horizontal only)

Specifications:

Pipe Requirements: IPS inch pipe size (ASTM-D-1785)
Max. Psi (bar): 75 PSI (5.2 bar) @ 70° F (21° C)
Fluid temp. range: 0° to 190° F / -18° to 88° C @ 0 PSI
Ambient temp. range: 0° to 110° F / -18° to 43° C
Note: Temperature & Pressure ratings of meter only. Actual pipe rating may vary.

Full scale accuracy: 1", 1 1/2", 2", and 3" 5%, all other 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 or PVDF
 Low range models = PTFE

Gasket: Neoprene
Pipe Clamp: 316 series Stainless Steel
Pitot screw: 300 series stainless Steel (1", 1 1/2", 2", and 3" do not use screw)

Installation Requirements:

Minimum Straight Pipe Length Requirements

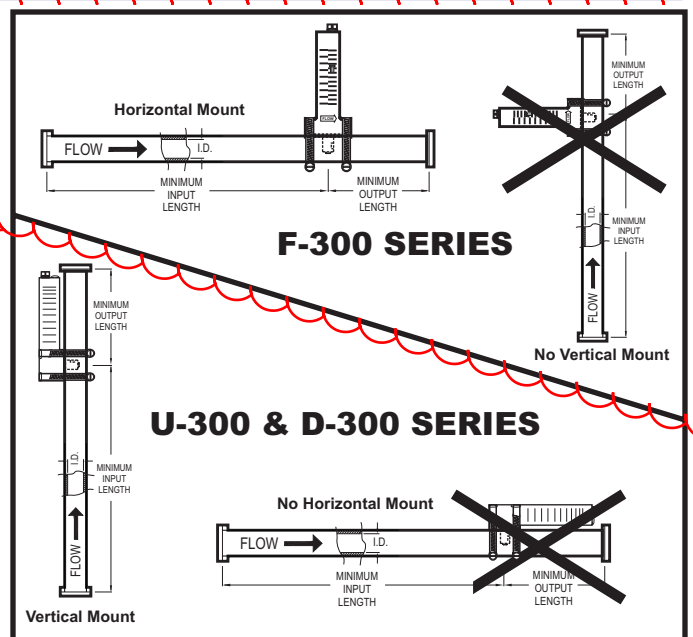
The meter's accuracy is affected by disturbances such as pumps, elbows, tees, valves, etc., in the flow stream. Install the meter in a straight run of pipe **as far as possible** from any disturbances.

Example of Minimum Straight Pipe Length Requirements

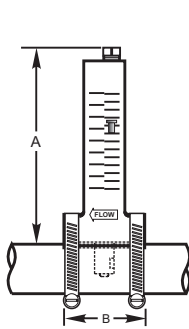
Nominal Pipe Diameter	Minimum Inlet Pipe Length	Minimum Outlet Pipe Length
4 inch	40 inch (10 X 4")	16 inch (4 X 4")
6 inch	60 inch (10 x 6")	24 inch (4 x 6")

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.

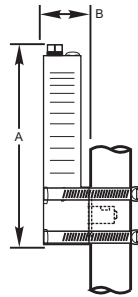


Dimensions:



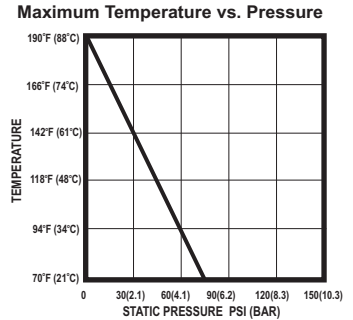
F-300 Series

Pipe Size	A	B
1"	6"	2-7/16"
1-1/4"	6"	2-7/16"
1-1/2"	6"	2-7/16"
2"	6"	2-7/16"
2-1/2"	6"	2-7/16"
3"	6"	2-7/16"
4"	6"	2-7/16"
6"	7-1/2"	2-7/16"
8"	7-1/2"	2-7/16"



U/D-300 Series

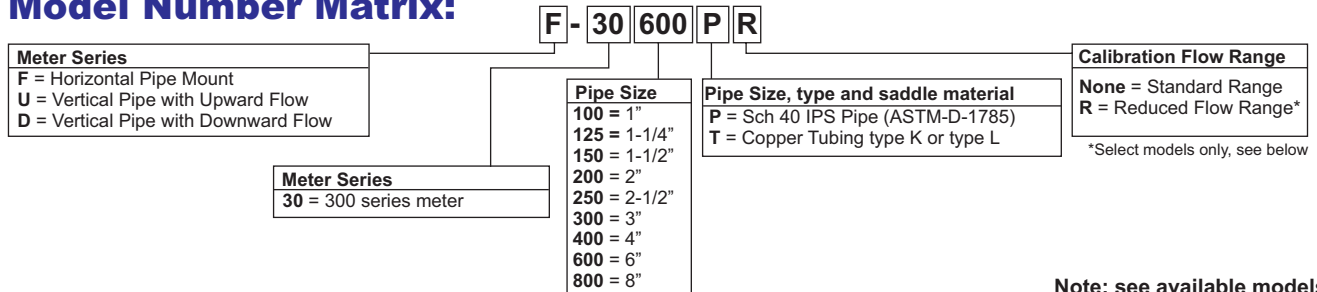
Pipe Size	A	B
1-1/2"	6"	1-9/16"
2"	6"	1-9/16"



Flow Stream Requirements:

Low viscosity fluids with a specific gravity of 1.0.

Model Number Matrix:



Note: see available models below.

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
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
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 U.S. IPS Sch40 & 80 Pipe (ASTM 1785) Display in U.S. Gallons per Minute

Pipe Size	Sch40	Sch80	Model Number
1"	5 to 35	4 to 26	F-30100P
1-1/4"	9 to 50	8 to 40	F-30125P
1-1/2"	10 to 70	10 to 60	F-30150P
2"	20 to 120	18 to 100	F-30200P
2-1/2"	29 to 150	25 to 130	F-30250P
3"	45 to 240	40 to 215	F-30300P

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"	4 to 26	15 to 100	F-30100T
1-1/2"	10 to 65	50 to 250	F-30150T
2"	20 to 105	75 to 400	F-30200T

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

Flowmeter Sensor Installation Instructions

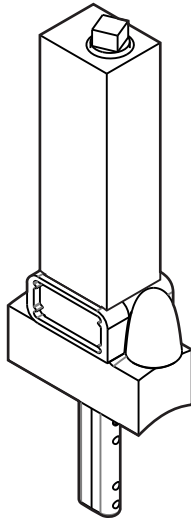
F-300S

SKU: 71010-349

New F-300N ships ready to work with optional flow switch / flow rate sensor.



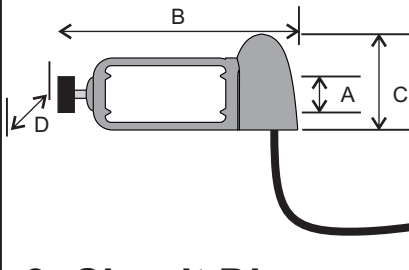
How do you know if your model F-300 is compatible for use with flow sensor?
Simple, if your F-300 has a bright red float, then your meter is compatible with the F-300S flow sensor.



1. Specifications

Voltage	100 VAC or VDC Abs. Max.
Current	0.250 Amp AC/DC Abs. Max.
Power	5 Watts Max.
Contact Configuration	N.O.
Form	A, SPST
Housing Material	PVDF, Black
Lead type	Red & Black, #24 Gage, 5 feet

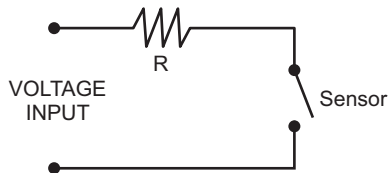
2. Dimensions



Approx. trigger range:
Contact will trigger (close) when magnetic float present (within range A).

A	0.26" (6.6mm)
B	2.8" (71mm)
C	1.3" (33mm)
D	1.3" (33mm)

3. Circuit Diagram



High surge currents may cause damage to the sensor and significantly reduce its life, the following circuit is, therefore, highly recommended.

VOLTAGE @ Max AMP. (V)	Minimum R (OHM) ± 20%
30 DC/AC @ .033 AMP.	1000
24 DC/AC @ .040 AMP.	680
12 DC/AC @ .083 AMP.	150
6 DC/AC @ .166 AMP.	36
4 DC/AC @ .250 AMP.	16

80000-575
12042015

Flowmeter Sensor Installation Instructions

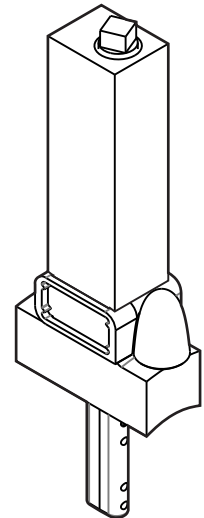
F-300S

SKU: 71010-349

New F-300N ships ready to work with optional flow switch / flow rate sensor.



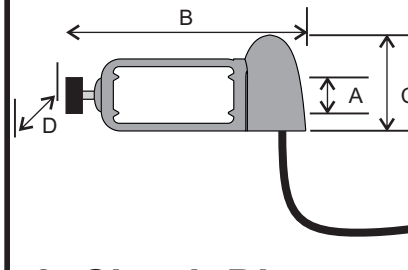
How do you know if your model F-300 is compatible for use with flow sensor?
Simple, if your F-300 has a bright red float, then your meter is compatible with the F-300S flow sensor.



1. Specifications

Voltage	100 VAC or VDC Abs. Max.
Current	0.250 Amp AC/DC Abs. Max.
Power	5 Watts Max.
Contact Configuration	N.O.
Form	A, SPST
Housing Material	PVDF, Black
Lead type	Red & Black, #24 Gage, 5 feet

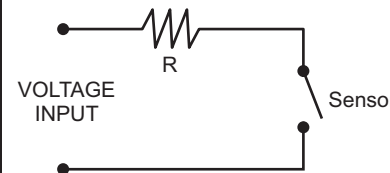
2. Dimensions



Approx. trigger range:
Contact will trigger (close) when magnetic float present (within range A).

A	0.26" (6.6mm)
B	2.8" (71mm)
C	1.3" (33mm)
D	1.3" (33mm)

3. Circuit Diagram



High surge currents may cause damage to the sensor and significantly reduce its life, the following circuit is, therefore, highly recommended.

VOLTAGE @ Max AMP. (V)	Minimum R (OHM) ± 20%
30 DC/AC @ .033 AMP.	1000
24 DC/AC @ .040 AMP.	680
12 DC/AC @ .083 AMP.	150
6 DC/AC @ .166 AMP.	36
4 DC/AC @ .250 AMP.	16

80000-575
12042015

4. Installation

Lock Screw (Thumb Screw) should be loosened (counter clockwise) so the sensor can slide with ease over the top of the F-300 flowmeter. Slide to desired location on flowmeter body. Secure with Lock Screw by tightening (rotate clockwise).

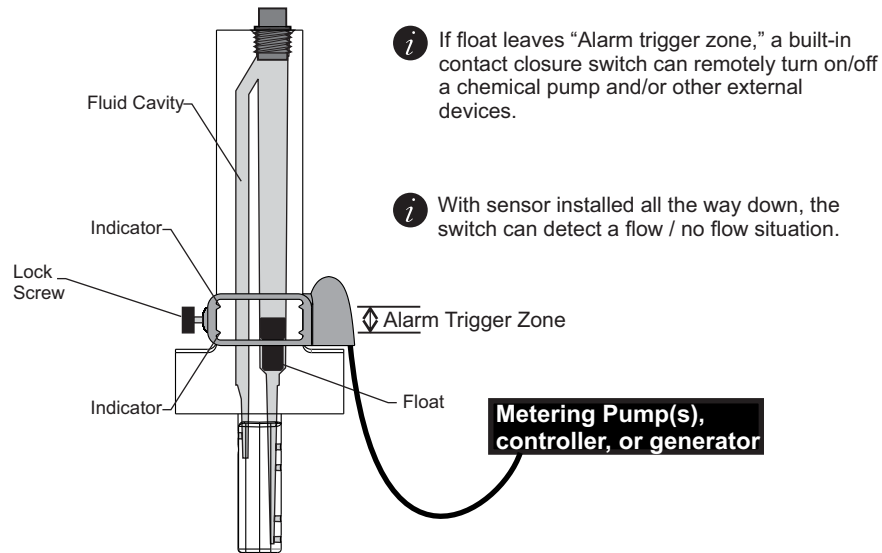
Sensor contact is **closed** when top of float is inside the Alarm Trigger Zone (Hysteresis)

Sensor contact is **open** when top of float is outside of the Alarm Trigger Zone

4.1) Flow Switch: See *Figure 1*

4.1) Flow Rate: See *Figure 2*

Flow Switch *Figure 1*



4. Installation

Lock Screw (Thumb Screw) should be loosened (counter clockwise) so the sensor can slide with ease over the top of the F-300 flowmeter. Slide to desired location on flowmeter body. Secure with Lock Screw by tightening (rotate clockwise).

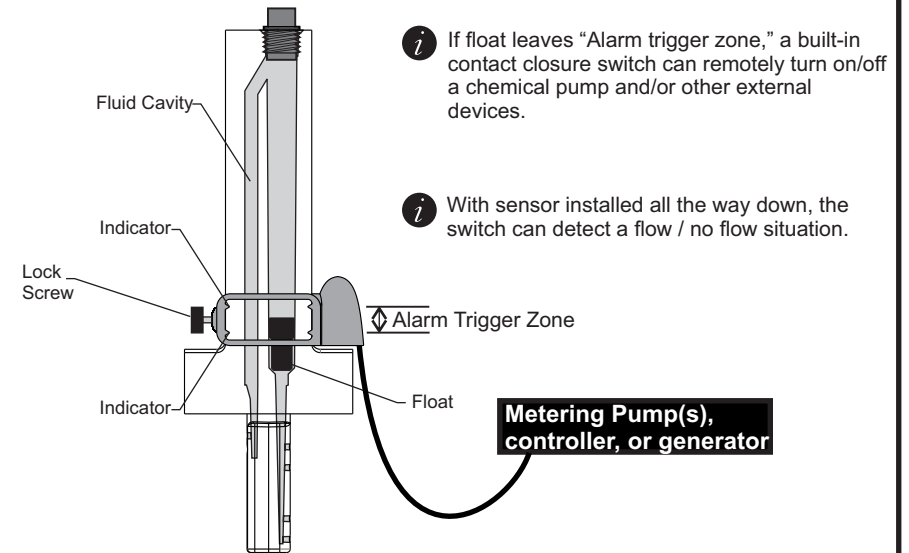
Sensor contact is **closed** when top of float is inside the Alarm Trigger Zone (Hysteresis)

Sensor contact is **open** when top of float is outside of the Alarm Trigger Zone

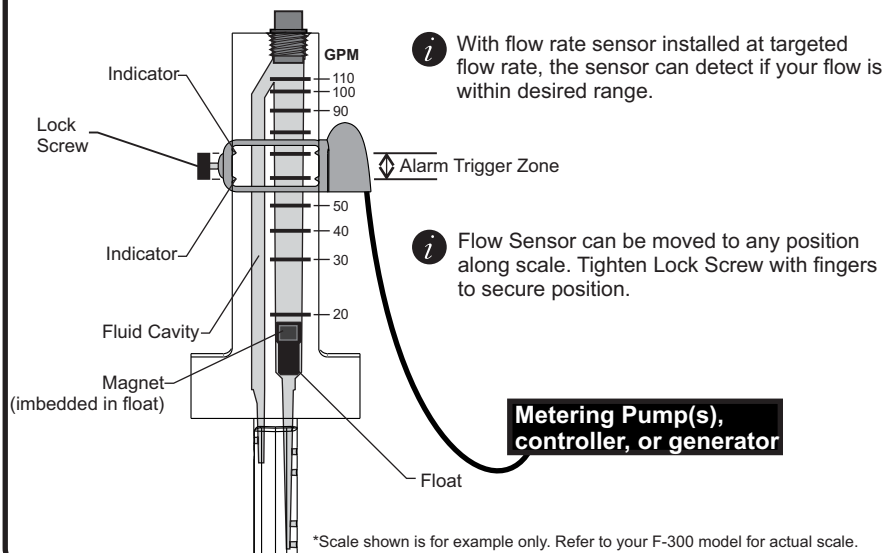
4.1) Flow Switch: See *Figure 1*

4.1) Flow Rate: See *Figure 2*

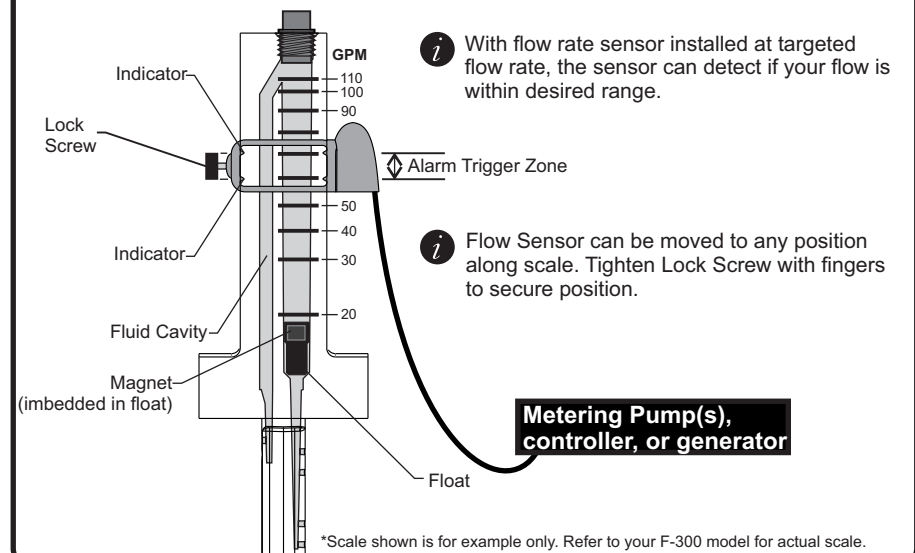
Flow Switch *Figure 1*



Flow Rate *Figure 2*



Flow Rate *Figure 2*





MODEL 300/320

RAINBOW™ MODEL 300/320 AUTOMATIC CHLORINE/BROMINE FEEDERS

THE EFFICIENT, EASY WAY TO SANITIZE YOUR POOL OR SPA

The Rainbow Models 300 and 320 feeders not only save time but also reduce manual handling of chemicals. They use large or small trichlor or bromine slow-dissolving tablets to make sanitizing your new or existing pool or spa easy and automatic. Both install easily on the pressure side of the pump, downstream of the filter and heater.



The freestanding Model 300 feeder and the in-line Model 320 feeder both feature an external fine-control valve that lets you adjust the feed rate to meet specific pool or spa requirements. The Model 300 feeder is ideal for retrofitting existing pools for automatic sanitization. The Model 320 feeder is designed for permanent installation in the return line of new or existing systems and dispenses sanitizer directly into your pool or spa, downstream of all equipment.

- Completely enclosed systems—no escaping fumes.
- Simple, trouble-free designs—no special venting required.
- Top loading makes it easy to add chemicals. Also available in clear amber for easy tablet viewing.

The feeder extensions increase tablet or stick capacity, so you can vacation without worrying about running out of chlorine.



RAINBOW™ MODEL 300/320

AUTOMATIC CHLORINE/BROMINE FEEDERS

Check valve protects pump and heater from back-up of highly chlorinated water

Flow indicator allows a quick visual read of water flow



SAVE TIME, REDUCE MANUAL HANDLING OF CHEMICALS

Whether you choose the freestanding Model 300 feeder or the in-line Model 320 feeder, Rainbow feeders will take the work and worry out of keeping your pool sparkling clean and ready to use.

MODEL 300 FEEDER

Chamber Capacity	Quantity	Weight
1" Tablet.....	.98	3.5 lbs.
3" Tablet.....	.11	4.8 lbs.
Maximum Erosion in 24 Hours		1.19 lbs.
Treats Pool/Spa Size in Gallons per 24 Hours*		
@ 10 ppm		11,900
@ 5 ppm		23,800
@ 2½ ppm		47,600
Dimensions		21"H x 7"W x 12"D
Service Clearance for Lid Removal		22¼"

*Using 1" trichlor tabs.

MODEL 320 FEEDER

Chamber Capacity—1" Tablet	Bottom Feed	Top Feed
Quantity.....	.9898
Weight	3.5 lbs	3.5 lbs.
Chamber Capacity—3" Tablet		
Quantity.....	.1111
Weight	4.8 lbs	4.8 lbs.
Maximum Erosion in 24 Hours ...	0.67 lbs	1.75 lbs.
Treats Pool/Spa Size in Gallons per 24 Hours*		
@ 10 ppm	6,700	17,500
@ 5 ppm	13,400	35,000
@ 2½ ppm	26,800	70,000
Dimensions	17¾"H x 5"W x 10"D ...	17¾"H x 5"W x 10"D
Service Clearance for Lid Removal ...	19"	19"

*Using 1" trichlor tabs.

AVAILABLE FROM:

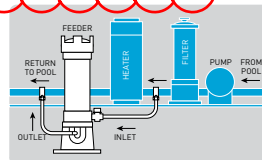


Illustration of Model 300 Feeder

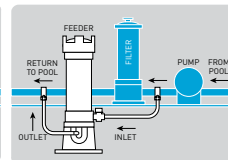


Illustration of Model 320 Feeder



1620 HAWKINS AVE, SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

All Pentair trademarks and logos are owned by Pentair or one of its global affiliates. Rainbow™ is a trademark of Pentair Water Pool and Spa, Inc. and/or its affiliated companies in the United States and/or other countries. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

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

8/15 Part # R5-1015 ©2015 Pentair Water Pool and Spa, Inc. All rights reserved.

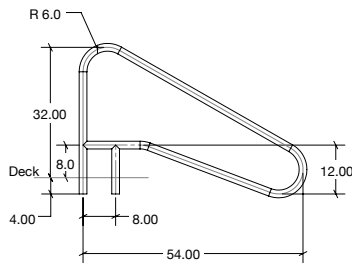


Output rating for Bromine is not NSF Certified

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 Rainbow Model #R172080.

Hand & Stair Rails

DMS-102



- 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

Model No.	Description	Shipping			
		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.

Taylor's FAS-DPD Drop Test Kits

INTRODUCTION

In recent years, professionals in the pool and spa industry have progressed from using orthotolidine (OT) to N,N-diethyl-p-phenylene-diamine (DPD) when determining chlorine levels with color-matching tests.

The OT method only measures total chlorine—the sum of active and spent sanitizer—which makes maintaining the correct residual a guessing game. Because of this, **regulatory authorities do not permit OT testing in commercial pools.** In addition, orthotolidine contains hydrochloric acid, making it more costly to ship than DPD and therefore more costly to buy.

Unlike OT, the DPD method will distinguish between free available chlorine and total chlorine. By subtracting the free chlorine reading from the total chlorine reading, the amount of combined chlorine in the water can be known. Combined chlorine is not an effective sanitizer. Its presence causes eye and mucous membrane irritation and the characteristic "chlorine" odor of a poorly maintained pool.

Combined chlorine is eliminated by superchlorination. Calculations for the breakpoint dosage depend on knowing the level of combined chlorine in the water, which is why the DPD method is superior to the OT method for testing chlorine-sanitized pools. However, bromine is an effective sanitizer in all its forms. Because of this, either OT or DPD may be used to test bromine pools and spas.

The latest trend in commercial pools with chlorine sanitizer has been the FAS-DPD titration method, which can measure **free and combined chlorine as low as 0.2 ppm** (using a 25 mL sample size) **and as high as 20 ppm** (using a 10 mL sample size).

To get the free chlorine reading, a buffered DPD indicator powder is added to the water sample. It reacts with the chlorine to produce the pink color characteristic of the standard DPD test. Ferrous ammonium sulfate (FAS) titrating reagent is then added until the pink color permanently disappears, signaling the endpoint.

The distinct change from a vibrant pink to no color at all eliminates the need for color matching. This feature comes in handy when testing samples with high levels of sanitizer because the user does not have to distinguish between relatively close printed-color gradations. This test is also a boon for colorblind users.



Kits with FAS-DPD measure free and combined chlorine precisely without color matching (K-2006 shown). Watch a video demonstration on our website.

The second half of the FAS-DPD test determines the amount of combined chlorine present. It too involves turning the sample from a vibrant pink to a colorless endpoint.

FAS-DPD is available in stand-alone kits to measure chlorine or bromine, and in combination with other common tests.

FAS-DPD TEST KITS

K-1515-A

Drop test measuring free & combined chlorine;
1 drop = 0.2 or 0.5 ppm; .75 oz. bottles

K-1515-C

Same as above but with 2 oz. bottles

K-1517-A

Drop test measuring total bromine;
1 drop = 0.5 or 1.25 ppm; .75 oz. bottles

K-1517-C

Same as above but with 2 oz. bottles

K-1518

Drop test measuring free & combined chlorine accurately in the presence of monopersulfate shocks; 1 drop = 0.2 ppm chlorine/1 drop = 0.2 ppm monopersulfate as chlorine;
2 oz. bottles



the most trusted name in water testing

Taylor Technologies, Inc.
410-472-4340
800-TEST KIT (837-8548)
www.taylor technologies.com

ISO 9001:2008 Certified

FAS-DPD TEST KITS (cont'd)

K-2006 (Spanish: K-2006S)

Complete™: free & combined chlorine 1 drop = 0.2 or 0.5 ppm; pH (with acid & base demand); total alkalinity; calcium hardness; cyanuric acid; .75 oz. bottles

Quantity price breaks available when purchasing 6 or more

K-2006-SALT

Complete™: Same as K-2006 plus a test for sodium chloride

K-2006C

Service Complete™: Same as K-2006 but with 2 oz. bottles

Quantity price breaks available when purchasing 8 or more

K-2006C-SALT

Service Complete™: Same as K-2006C plus a test for sodium chloride

Quantity price breaks available when purchasing 8 or more

K-2106

Complete™: total bromine
1 drop = 0.5 or 1.25 ppm; pH (with acid & base demand); total alkalinity; calcium hardness; .75 oz. bottles

Quantity price breaks available when purchasing 6 or more

K-2009

Pool Inspector™: free & combined chlorine 1 drop = 0.2 or 0.5 ppm; pH; cyanuric acid (contains 6 bottles of CYA reagent, 4 more than the K-2006); .75 oz. bottles

Quantity price breaks available when purchasing 6 or more

USER BENEFITS

- Titrations do not require the ability to match colors, only the ability to see the **permanent color change** at the end-point of the reaction.
- Test kits **come complete** with all necessary reagents and equipment.
- **Waterproof instructions** are printed on plastic-impregnated paper that resists fading and tearing.
- Custom-molded, durable plastic cases provide **safe storage** for all tests and room to store supplemental tests or extra reagents.
- **Proven chemistries** are based on *Standard Methods for the Examination of Water and Wastewater*, APHA, Washington, DC, and/or *American Society for Testing and Materials*, ASTM, Philadelphia, PA. Some methods use proprietary chemistry developed by Taylor Technologies.

ALSO AVAILABLE

- **Unit Dose Dispenser** (#9250) that fits over the vial of DPD powder. When cranked, it serves up the correct amount to run the test, while protecting the powder from exposure to air and humidity.
- **Deox Reagent** to eliminate interference with the FAS-DPD chlorine test from monopersulfate (non-chlorine) shock treatments in the water; K-2041 (.75 oz.) or K-2042 (2 oz.).
- A wide array of single- and multiparameter kits featuring color-matching and/or drop-count tests.
- Taylor's **TTi® Colorimeter** (M-2000); test more than a dozen parameters commonly encountered in pool/spa settings and transfer results to a PC database.
- Myron L Company portable instruments.
- Testing supplies and kit replacement parts (e.g., burets, flasks, test tubes, and test cells).
- **Video demonstrations** for new users posted on our website.
- Toll-free technical assistance at **800-TEST KIT**.

REPRESENTATIVE TEST PROCEDURE

Reproduced from K-2006-SALT instruction:

Guidebook (#2004B) amplifies these instructions and should be read to use this product properly.		POOL & SPA WATER TESTS		Instr. #5138	
Free & Combined Chlorine Test 1. Rinse and fill large comparator tube to desired mark with water to be tested. NOTE: For 1 drop = 0.2 ppm, use 25 mL sample. For 1 drop = 0.5 ppm, use 10 mL sample. 2. Add 2 dippers R-0870. Swirl until dissolved. If free chlorine is present, sample will turn pink. NOTE: If pink color disappears, add R-0870 until color turns pink. 3. Add R-0871 dropwise, swirling and counting after each drop, until color changes from pink to colorless. 4. Multiply drops in Step 3 by drop equivalence (Step 1). Record as parts per million (ppm) free chlorine (FC). 5. Add 5 drops R-0003. Swirl to mix. If combined chlorine is present, sample will turn pink. 6. Add R-0871 dropwise, swirling and counting after each drop, until color changes from pink to colorless. 7. Multiply drops in Step 6 by drop equivalence (Step 1). Record as ppm combined chlorine (CC).		Total Alkalinity Test 1. Rinse and fill large comparator tube to 25 mL mark with water to be tested.* 2. Add 2 drops R-0007. Swirl to mix. 3. Add 5 drops R-0008. Swirl to mix. Sample should turn green. 4. Add R-0009 dropwise. After each drop, count and swirl to mix until color changes from green to red. 5. Multiply drops in Step 4 by 10. Record as parts per million (ppm) total alkalinity as calcium carbonate. * When high TA is anticipated , this procedure may be used: Use 10 mL sample, 1 drop R-0007, 3 drops R-0008, and multiply drops in Step 4 by 25.		3. Store test kit in cool, dark place. 4. Replace reagents once each year. 5. Do not dispose of solutions in pool or spa. 6. Rinse tubes before and after each test. 7. Obtain samples 18" (45 cm) below water surface. 8. Hold bottle vertically when dispensing.	
pH Test 1. Rinse and fill large comparator tube to 44 mL mark with water to be tested. 2. Add 5 drops R-0004. Cap and invert to mix. 3. Match color with color standard. Record as pH units and save sample if pH needs adjustment. If sample color is between two values, pH is average of the two. To LOWER pH: See acid demand test. To RAISE pH: See base demand test.		Calcium Hardness Test 1. Rinse and fill large comparator tube to 25 mL mark with water to be tested.* 2. Add 20 drops R-0010. Swirl to mix. 3. Add 5 drops R-0011L. Swirl to mix. If calcium hardness is present, sample will turn red. 4. Add R-0012 dropwise. After each drop, count and swirl to mix until color changes from red to blue. 5. Multiply drops in Step 4 by 10. Record as parts per million (ppm) calcium hardness as calcium carbonate. * When high CH is anticipated , this procedure may be used: Use 10 mL sample, 10 drops R-0010, 3 drops R-0011L, and multiply drops in Step 4 by 25.		Cyanuric Acid Test 1. Rinse and fill CYA dispensing bottle (#9191) to 7 mL mark with water to be tested. 2. Add R-0013 to 14 mL mark. Cap and mix for 30 seconds. 3. Slowly transfer cloudy solution to small comparator tube until black dot on bottom just disappears when viewed from top. 4. Read tube at liquid level on back of comparator block. Record reading as parts per million (ppm) cyanuric acid.	
Acid Demand Test 1. Use treated sample from pH test. 2. Add R-0005 dropwise. After each drop, count, mix, and compare with color standards until desired pH is matched. See treatment tables to continue.		Sodium Chloride (Salt) Test For 1 drop = 200 ppm 1. Rinse and fill sample tube (#9198) to 10 mL mark with water to be tested. 2. Add 1 drop R-0630. Swirl to mix. Sample should turn yellow. 3. Add R-0718 dropwise, swirling and counting after each drop, until color changes from yellow to a milky salmon (brick) red. Always hold bottle in vertical position. NOTE: Do not add enough R-0718 to give a brown color. First change from yellow to a milky salmon (brick) red is the endpoint. 4. Multiply drops of R-0718 by 200. Record as parts per million (ppm) salt as sodium chloride.			
Base Demand Test 1. Use treated sample from pH test. 2. Add R-0006 dropwise. After each drop, count, mix, and compare with color standards until desired pH is matched. See treatment table to continue.					