

## Summary of Proctor Water Abandonees' Meeting February 22, 2012

Meeting Convenes 6:30 p.m., with approximately 40 people in attendance, including reporters from Rutland Herald and Brandon Reporter.

Pittsford Town Manager John Haverstock made welcoming remarks and turned meeting over to Paul Darby.

Paul Darby briefly recapped the history of the Proctor Water decision to abandon its out-of-town customers in December, 2012. He then discussed the process by which his Committee sought bids from several well-drilling firms. Two chose not to bid. Parker Wells did bid, as did Gus Breault, Jr., whose bid was deemed the best. Paul Darby then turned the floor over to Mr. Breault.

Mr. Breault handed out information packets of information (copies in electronic form are attached hereto and in hard-copy at Pittsford Town Manager's office) describing bulk-pricing for this project. Customer costs will depend on the number of customers who sign up (deadline of Friday, March 16), the well depth on a particular lot, and its distance from the house being served. There was extended discussion of whether a permit will be needed for each job or whether an exemption is available. Breault will handle preparation of any exemption forms for customers. Those with property presenting setback issues may have to pay for extra casing.

Mr. Breault plans to bring in extra equipment and drill 3-4 wells per week in order to expedite this project and then, once all wells are drilled, dig trenching to the houses. No down-payments are required. Customers will simply be asked to pay for the well once it is drilled and then to pay for the connection to the house once that work is done. His work and quoted price is all-inclusive (labor, materials, electrical work)—a turn-key operation, so to speak.

Mr. Breault encouraged customers to sign up ASAP through Paul Darby. Mr. Breault will make site visits, on request, with all those wishing them in advance of drilling. Customers may call on him directly to schedule site visits.

[Hank Pelkey and Paul Darby said that it is unknown at present when and how Proctor will allocate the \$250,000 set-aside to assist its customers being abandoned. This may soon be determined in the pending Court case].

### **Contact Info:**

Gus Breault, Jr.  
Stalker Road  
Whitehall, NY  
(518) 499.0587

Paul Darby  
paul.darby@isovolta.us  
775.5528 x3311

# **GUS BREAUT, JR.**

## **Well Drilling and Pump Service**

**118 Stalker Road**

**Whitehall, NY 12887**

- **Complete Drilling Service**  
*Residential, Commercial, Industrial and Agricultural*
- **Pump Installations, Service and Repair**
- **Hydro-Fracturing**
- **Water Treatment and Purification**

**Nationally Certified Drillers**

**And**

**Pump Installers**

**CALL US FOR ALL OF YOUR WATER NEEDS**

**518-499-0587 or 1-800-262-WELL**

**FAX: 518-499-1457**

**EMAIL: [gbrewelldrill@aol.com](mailto:gbrewelldrill@aol.com)**

**GUS BREault, JR.**  
**WATER WELL CONTRACTOR**  
**COMPLETE WATER SYSTEMS**  
**HYDRO-FRACTURING**  
**118 Stalker Rd.**  
**WHITEHALL, N.Y. 12887**  
**518-499-0587**  
**N.Y. RESIDENTS CALL**  
**1-800-262-WELL**  
**Fax: 518-499-1457**

**Date:** 2/22/2012  
**Atten:** Pittsford Water Residents  
**Regards:** Pittsford Water Well Drilling Project

The following is a comprehensive layout of the costs involved in the drilling of new wells in the Pittsford area for the residents that will be affected by the abandonment of the Proctor waterline

*The cost for drilling of the wells is as followed:*

**GROUP RATE OF 1 -20 WELLS:**

**\$10.00 PER FOOT DRILLING**  
**\$15.00 PER FOOT CASING**  
**\$500.00 DRIVESHOE, WELL CAP AND GROUT**

**GROUP RATE OF 21-50 WELLS:**

**\$9.00 PER FOOT DRILLING**  
**\$15.00 PER FOOT CASING**  
**\$500.00 DRIVESHOE, WELL CAP AND GROUT**

The cost for the Complete Pump Installation, which is water running into the house, are as followed:

	<u>1 to 20</u>	<u>21 to 30</u>	<u>31 to 50</u>
100'	\$2,000.00	\$1,800.00	\$1,600.00
200'	\$2,200.00	\$2,000.00	\$1,800.00
300'	\$2,400.00	\$2,200.00	\$2,000.00
400'	\$2,800.00	\$2,600.00	\$2,400.00
500'	\$3,200.00	\$3,000.00	\$2,800.00
600'	\$3,400.00	\$3,200.00	\$3,000.00

The following are examples of estimated costs for different well depth scenario's:

100' Well, with 100' of Casing, Driveshoe, Well Cap, Grout and Complete Pump Installation\*:

	<u>1 to 20</u>	<u>21 to 30</u>	<u>31 to 50</u>
	\$5,000.00	\$4,700.00	\$4,500.00

300' Well, with 100' of Casing, Driveshoe, Well Cap, Grout and Complete Pump Installation\*:

	<u>1 to 20</u>	<u>21 to 30</u>	<u>31 to 50</u>
	\$7,400.00	\$6,900.00	\$6,700.00

500' Well, with 100' of Casing, Driveshoe, Well Cap, Grout and Complete Pump Installation\*:

<u>1 to 20</u>	<u>21 to 30</u>	<u>31 to 50</u>
<u>\$10,200.00</u>	<u>\$9,500.00</u>	<u>\$9,300.00</u>

\*The cost for the excavation from the well to the house will be \$4.00 Per Foot in addition to the above. If we encounter any unforeseen issues, such as ledge or major boulders, the price may vary to compensate for this.

Thank you for the opportunity to bid on these projects, and I look forward to hearing from you.

Thank You,  
Gus Breault, III

February 21, 2012

Gus Breault  
Gus Breault, Jr. Well Drilling  
118 Stalker Road  
Whitehall, NY 12887

Re: allowable drilling methods under the Vermont Water Supply Rules for replacement of "non-public" wells.

Dear Mr. Breault:

You have asked whether concentric drilling methods are allowed under the well construction standards of the Vermont Water Supply Rules (Rules) when drilling wells for Potable Water Supplies (all wells except those that serve a Public Water Supply, as that term is defined in Vermont and Federal law). You have asked this question due to a potential job in Vermont drilling replacement wells for a number of individuals in the Towns of Pittsford and Chittenden.

Your first question relates to drilling methods and whether concentric drilling is allowed in Vermont. In reviewing the Rules, specifically Part 12 of Appendix A, section 12.3 refers to driven casing. The term "driven casing", however, is not defined. In light of the nature of concentric drilling, it is the Department's position that concentric drilling does use a form of driven casing. In addition, due to the nature of concentric drilling, the Department understands that the conventional grouting requirements are not only inappropriate but also virtually impossible to comply with. That, in fact, is one of the advantages and benefits of concentric drilling. Therefore, if the concentric drilling method is being used, the grouting requirements of sections 12.3.3 and 12.3.4 do not apply. Some method of grouting, however, will still be required. Based on your professional judgment and the site specific conditions of the replacement well, you will need to place bentonite chips, slurry or powder around the drill rod or casing as drilling proceeds unless the drilling is occurring in thick clay sequences.

Your second question was about the required well casing diameter. While section 12.4.6 and the associated Table of Part 12 of the Appendix to the Rules does specify 19 pound/foot steel casing must be used, that section only applies to Public Water Supplies that need a Source permit under the Rules. Potable (non-public) Water Supplies do not need a Public Water Supply Source permit, and therefore the Table does not apply. Therefore, the replacement wells that you drill can be drilled using a minimum 6 inch 17 pound/foot steel casing and still comply with the Rules. As you are aware, Schedule 40 steel casing is the industry standard and should be used for public and non-public water system wells.

If there are any questions please contact me in writing or by phone at (802) 338-4865.

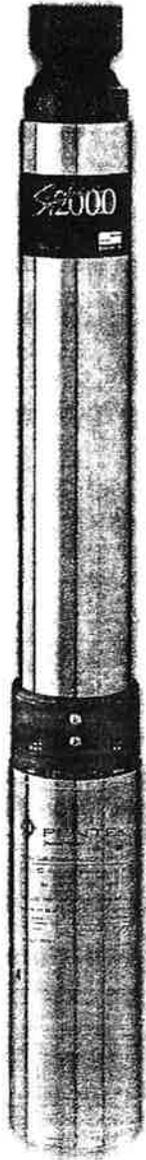
Sincerely,

—  
Scott Stewart  
Hydrogeologist

Cc: Tim Raymond, DWGPD  
Rodney Pingree, DWGPD  
Anne Whitely, DEC



# 4" submersible pumps – 5 and 7 gpm TrimLine™



*Precision-engineered, corrosion-resistant Signature 2000® Composite Pumps in 5 and 7 GPM deliver efficient, dependable performance even in rough, aggressive water. Heads to over 850 feet and capacities to 10 GPM. Built to deliver long-term, trouble-free service.*

*These pumps feature the patented SignaSeal™ staging system. Floating stack design resists sand and reduces sand locking.*

*The 5 and 7 GPM models are the smaller 3-3/4" diameter TrimLine™.*

### APPLICATIONS

- **Water systems...** for residential, industrial, commercial, multiple housing and farm use.

### SPECIFICATIONS

- Shell** – Stainless steel
- Discharge** – Fiberglass reinforced thermoplastic
- Discharge Bearing** – Nylatron®
- Intermediate Bearing** – (On larger units) polycarbonate, nitrile rubber and stainless steel
- Impellers** – Acetal
- Diffusers** – Polycarbonate
- Suction Caps** – Polycarbonate with stainless steel insert
- Thrust Pads** – Proprietary spec.
- Shaft and Coupling** – Stainless steel
- Intake** – Fiberglass reinforced thermoplastic
- Intake Screen** – Polypropylene
- Cable Guard** – Stainless steel
- Agency Listings** – CSA
- Check Valve** – Acetal

## Signature 2000 COMPOSITE

### FEATURES

- Patented Staging System** – Our proven SignaSeal™ staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock-up and running dry.
- Discharge** – Corrosion-resistant fiberglass reinforced thermoplastic for durability in aggressive water. Large octagon wrench area for ease of installation.
- Discharge Bearing** – Exclusive self-lubricating Nylatron® bearing resists wear from sand.
- Intake** – Corrosion-resistant fiberglass reinforced thermoplastic for durability in aggressive water.
- Shaft** – Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.
- Coupling** – Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.
- Shell** – Heavy-walled corrosion-resistant stainless steel. Threaded for easy servicing.
- Hardware** – All screws, washers and nuts are corrosion-resistant 300 grade stainless steel.
- Check Valve** – Durable internal poppet type check valve.
- Cable Guard** – Corrosion-resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.
- Intake Screen** – Corrosion-proof polypropylene.
- PENTEK® XE Motor** – 2 and 3 wire NEMA standard all stainless construction water filled motors.

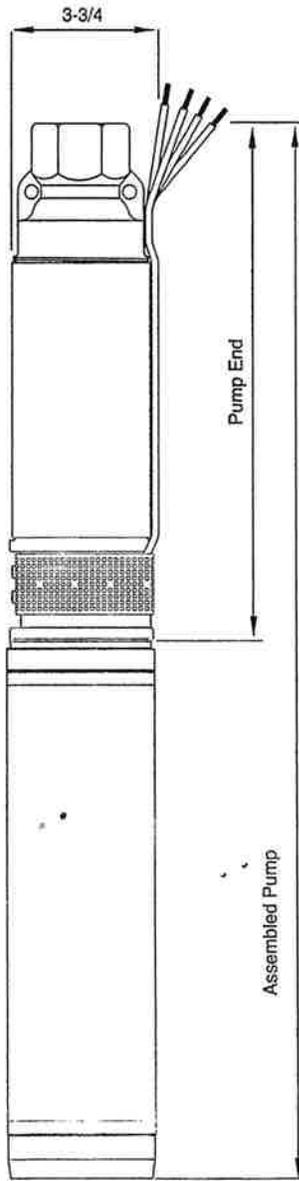
Delrin® is a registered trademark of E.I. DuPont de Nemours and Co. Nylatron® is a registered trademark of Polymer Corp. PENTEK® and Signature 2000® are registered trademarks of Pentair Water. PRO-Source™, SignaSeal™, and TrimLine™ are trademarks of Pentair Water.

In order to provide the best products possible, specifications are subject to change.



# 4" submersible pumps – 5 and 7 gpm TrimLine™

## OUTLINE DIMENSIONS

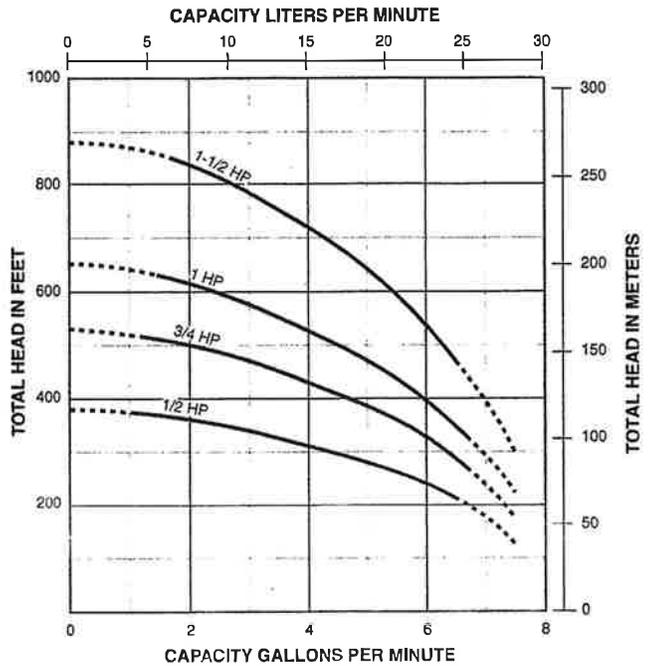


Discharge	
5 GPM	1-1/4" NPT
7 GPM	1-1/4" NPT

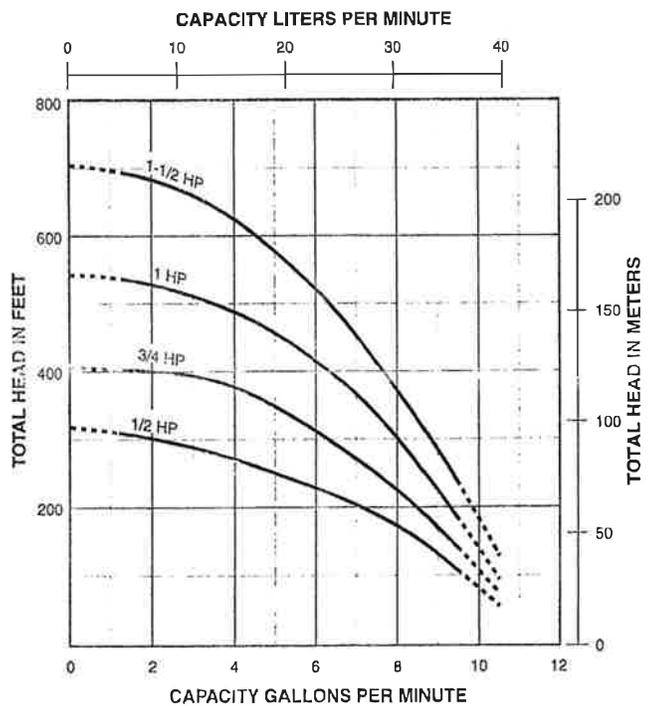
For dimensions, refer to Ordering Information table.

Dimensions (in inches) are for estimating purposes only.

## PUMP PERFORMANCE – 5 GPM



## PUMP PERFORMANCE – 7 GPM

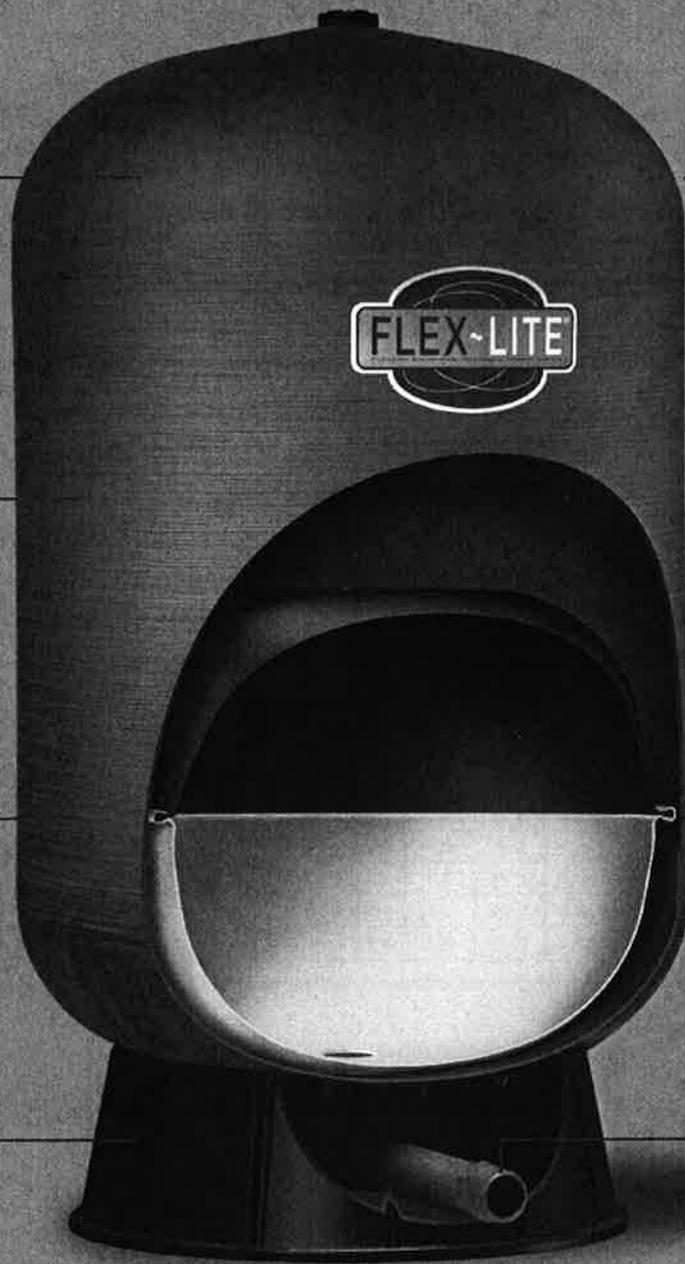


Tested and rated in accordance with Water Systems Council standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

# INNOVATION ISN'T JUST WRAPPING FIBERGLASS AROUND OLD WELL TANK TECHNOLOGY.

[ INTRODUCING THE NEW FLEX-LITE WITH CAD-2 ]



Precision injection molded domes for uniform wall thickness and consistent engineered dome profiles.

Reinforced with durable, continuous strand fiberglass and sealed from the environment with weather resistant epoxy resin. Suitable for underground installation.

High tech spin welding process permanently fuses precision injection molded domes to the extruded cylinder.

**SUPER  
← SIZED →**  
Our larger tank sizes offer greater drawdown capacity.

Flexcon's patented CAD-2 controlled action diaphragm design enables the tank's water chamber to be sized for the optimum drawdown capacity of each tank.

**CAD-2**  
New CAD-2 diaphragm technology: strong 100% butyl diaphragm and copolymer polypropylene lower water chamber for maximum water and air separation.

Rugged base engineered to withstand maximum loads and extreme environmental conditions.

Tough, injection molded, rigid PVC connection for easy installation and lifetime performance.

Unlike other composite tanks that hide tired old bag technology in a plastic shell, the Flex-Lite FL composite tank uses the latest evolution of the field proven controlled action diaphragm design that Flexcon introduced in Well-Rite steel tanks in 1988.

The Flex-Lite FL series' improved CAD-2 diaphragm design is stronger and won't crease and wear out like bag designs. It features a chlorine resistant 100% butyl diaphragm with a precision molded copolymer polypropylene lower water chamber for superior air and water separation.

This patented design allows each size tank to have a properly sized water chamber, matched to the drawdown performance of that tank. When it comes to performance and durability, the CAD-2 system cannot be beat.

So if you are looking for the proven performance of a Flexcon steel tank in a lightweight composite design, Flex-Lite FL is the answer.

**FLEXCON  
INDUSTRIES**

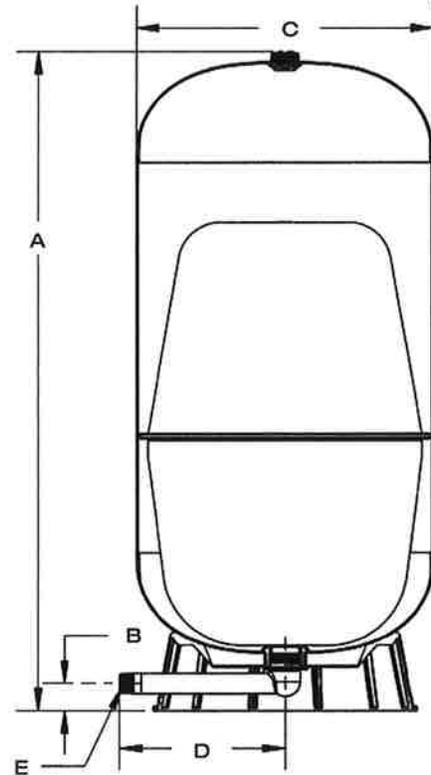
The Reliable Source®



# FL/CAD-2

## MATERIALS OF CONSTRUCTION

- **Top and bottom domes:** Injection molded copolymer polypropylene
- **Shell:** Extruded copolymer polypropylene
- **Outer shell:** Fiberglass-wound, coated with epoxy resin
- **Water chambers:** Top diaphragm is 100% butyl rubber, lower water chamber is copolymer polypropylene
- **Base:** Copolymer polypropylene
- **Connection:** Rigid Schedule 80 PVC
- **Air valve:** Brass valve with o-ring seal
- **Warranty:** 5 year limited



## COMPOSITE TANK DIMENSIONS

Model	Total Tank Volume		A Height		B Floor to CL		C Diameter		D CL to fitting end		E Connection	Total Weight	
	gal	liters	in	cm	in	cm	in	cm	in	cm		lbs	kilos
FL 5	15	56.8	25.6	64.0	1.75	4.4	16.5	41.9	9.4	23.9	1" NPT	19.0	8.6
FL 7	22	83.3	34.1	84.1	1.75	4.4	16.5	41.9	9.4	23.9	1" NPT	24.0	10.9
FL 12	35	132.5	48.9	121.7	1.75	4.4	16.5	41.9	9.4	23.9	1" NPT	33.5	15.2
FL 13SQ	38	143.8	29.75	74.7	2.25	5.7	24.2	61.5	11.9	30.2	1 1/4" sch 80	38.0	15.9
FL 17	50	189.3	43.3	109.0	2.25	5.7	21.4	54.4	11.9	30.2	1 1/4" NPT	47.0	21.3
FL 22	65	246.0	51.3	129.3	2.25	5.7	21.4	54.4	11.9	30.2	1 1/4" NPT	58.0	26.3
FL 28	82	310.4	64.7	163.3	2.25	5.7	21.4	54.4	11.9	30.2	1 1/4" NPT	69.5	31.5
FL 30	90	340.7	57.0	143.8	2.25	5.7	24.2	61.5	13.4	34.0	1 1/4" NPT	77.0	34.9
FL 40	119	450.4	72.1	182.1	2.25	5.7	24.2	61.5	13.4	34.0	1 1/4" NPT	99.5	45.1

Maximum working pressure 125 psig. Maximum working temperature, internal & external 120° F. Tank pre-charge 38 psig.

## QUICK SIZING CHART

Model	Total Tank Volume		Total Drawdown*					
	gal	liters	20/40		30/50		40/60	
	gal	liters	gal	liters	gal	liters	gal	liters
FL 5	15	56.8	6.00	24.1	5.1	20.4	4.4	17.7
FL 7	22	83.3	8.80	32.2	7.5	27.2	6.5	23.6
FL 12	35	132.5	14.10	52.3	11.9	44.2	10.3	38.3
FL 13SQ	38	143.8	13.89	51.8	11.8	44.0	10.5	39.4
FL 17	50	189.3	20.10	76.4	17.0	64.6	14.7	56.0
FL 22	65	246.0	26.10	100.5	22.1	85.0	19.1	73.6
FL 28	82	310.4	33.00	120.7	27.9	102.0	24.1	88.4
FL 30	90	340.7	36.20	136.7	30.6	115.6	26.5	100.1
FL 40	119	450.4	47.90	181.0	40.5	153.0	35.0	132.5

\*Total drawdown assumes tank pre-charge set at 2 psi below cut-in pressure. Drawdown can be affected by many factors, including temperature, pressure, and elevation.

> www.flexconind.com  
 > 781-986-2424  
 > 300 Pond Street  
 > Randolph, MA 02368



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