

FLOWVIS[®] Flow Meters

A revolutionary flow meter
with unrivaled accuracy and
installation flexibility



The brand more pool owners & operators trust

Ingenious in concept and flawless in operation, FlowVis® has been revolutionizing the way pool owners and operators measure flow since its inception in 2012.

With unrivaled average accuracy, greater installation flexibility, and more NSF 50 certified models than any other brand, it's easy to see why FlowVis® is the pool & spa industry's flow meter of choice.

KEY FEATURES & BENEFITS

Multi Functional

FlowVis functions as a flow meter, check valve (select models), and a velocity meter

Installation Flexibility

Installs horizontally, vertically, or even upside-down

No Straight Pipe

1.5" – 2.5" models can be installed with zero straight pipe requirements

Accurate

Greater than 98% accuracy across the entire model range

Advanced Functionality

Upgrade to FV-D for remote monitoring and advanced functionality

NSF 50

More NSF 50 certified models than any other brand of flow meter

A class of its own

The only NSF 50, Level 1 certified flow meter in the world

Turnover Rate Functionality

FlowVis Digital offers pool turnover rate functionality

External Equipment

FlowVis Digital can interface with heaters, pumps, and more

Alarms

With FlowVis Digital, you can set flow rate alarms for high and low flow rates

Made in the USA

FlowVis products are made in the USA with 95% of materials sourced in N. America

Protection

However unlikely that it will be needed, FlowVis products carry a 3-year warranty

Every great pump deserves a great flow meter

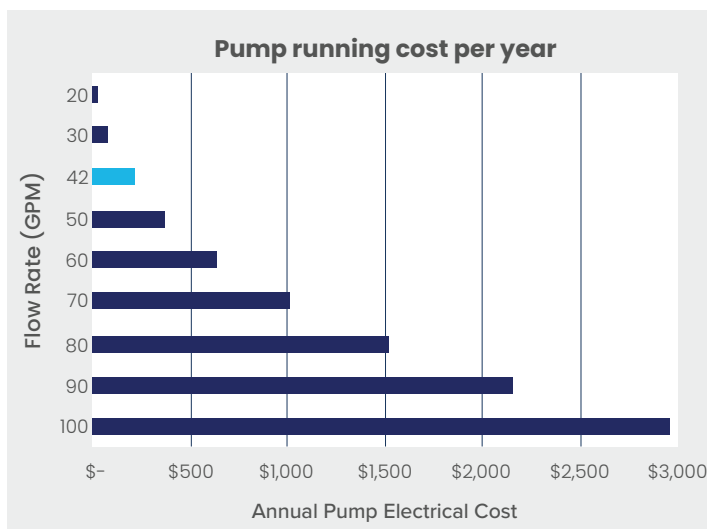
Installing a variable speed pump for energy savings makes complete sense, but the only way to know where to set the pump's speed is by knowing the flow rate. Establishing the required flow rate also allows the user to achieve turnover requirements; setting the flow rate too high will use more energy than required and setting it too low will result in a dirty pool.



Save more, with FlowVis

Energy savings when using a FlowVis® flow meter in combination with a variable speed pump are typically 20% greater than those seen when using a variable speed pump alone.

The illustration to the right is an example based on a 30,000 gallon pool, using a 3 kW pump, energy costs of \$0.15 per kWh, and pump full speed of 100 GPM. This example is for a pool that is open for 9 months per year and requires a 12-hour turnover (42 GPM).



Velocity Scale

While flow and velocity are related, very few people appreciate just how fast water travels through a suction fitting and a filtration system. Safety advocates are now placing an even greater emphasis on this, and FlowVis® is the first flow meter to display the velocity reading as a standard feature.

The velocity scale – which provides a readout of velocity in feet-per-second for both the suction and discharge side of the pump – is featured on ten different FlowVis® models.



FlowVis Digital... this means more!

Upgrade to FlowVis® Digital to enjoy more flexibility, more functionality, and more user-friendly features.

FlowVis Digital is now available in three different configurations:

1. Sensor-only
2. Sensor + Signal Converter
3. Sensor + Digital Display

All three models offer advanced functionality and the incredible accuracy that has become synonymous with the FlowVis name. Each model is also compatible with almost all analog FlowVis models.

FlowVis Digital allows you to:

Know the turnover rate

All but two U.S. States have a mandated turnover rate for commercial pools and spas. FlowVis Digital is the first and only flow meter that displays the current turnover rate.*

Interface with other equipment

FlowVis Digital has the ability to interface with other equipment, ensuring they only operate above a user-defined flow rate.

Know the precise flow rate

FlowVis Digital is factory calibrated to mirror a Mag flow meter that has a NIST traceable accuracy of 0.02%.

Retrofit to existing FlowVis units

FlowVis Digital is available for both new and existing FlowVis installations and is compatible with most models 1.5" - 8" units.

Set flow rate alarms

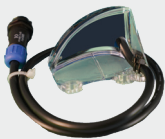


Set minimum and maximum flow rate alarms to ensure your system is operating as desired.*

Receive remote indication

FlowVis Digital eliminates problems with gaining access to the flow reading, such as in tight spaces, or issues with parallax errors.

*Select features are unique to model FV-D

Which model is right for you?

	Sensor-Only	FlowVis Digital Signal Converter	FlowVis Digital
			
Part Number	FV-D-Sensor	FV-D-SC	FV-D
Key Market	OEM	Automation Integration, OEM, End-User	End-User
Digital Display			✓
4-20mA Output		✓	✓
NSF 50		✓	✓
Compatible FlowVis models	FV-15; FV-15-L; FV-15-U; FV-C-M-DN40; FV-2; FV-2-L; FV-2-U; FV-C-M-DN50; FV-C; FV-C-S; FV-C-S-L; FV-25; FV-25-L; FV-C-M-DN65; FV-C-M-DN65-HF-S; FV-3; FV-3-L; FV-C-M-DN80; FV-4; FV-4-L; FV-C-M-DN100; FV-6; FV-6-L; FV-C-M-DN150; FV-8; FV-8-L; FV-C-M-DN200		



When accuracy is critical, don't just take our word for it!

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



Certified to
NSF/ANSI/CAN 50
Level 1

FlowVis models

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

*FlowVis® model FV-8 includes FlowVis® Digital upgrade as standard. For accuracy of this model, please refer to the FV-8 information in the FlowVis Digital table below.

FlowVis Digital models

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

Guide for NSF 50 Accuracy Levels

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

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

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

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

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

An award-winning design

In 2021, industry experts named FlowVis one of *Pool & Spa News* **Top 50 Products** for the third time! This award is given annually to the pool industry's most innovative products.



Key characteristics of the FlowVis product line

Model	Pipe Size	Pipe Sch	Fitting Type	Check Valve Function	Velocity Scale	Working Pressure	Calibration Required.	Warranty	Manufactured in USA
FV-15	1.5"	SCH40	Valve	✓	✓	50 psi	No	3-Years	✓
FV-15-U	1.5"	SCH40	Union	✓	✓	50 psi	No	3-Years	✓
FV-2	2"	SCH40	Valve	✓	✓	50 psi	No	3-Years	✓
FV-2-U	2"	SCH40	Union	✓	✓	50 psi	No	3-Years	✓
FV-C-S	2"	SCH40	Valve			50 psi	No	3-Years	✓
FV-C-Saline	2"	SCH40	Valve	✓		50 psi	No	3-Years	✓
FV-25	2.5"	SCH40	Valve	✓	✓	50 psi	No	3-Years	✓
FV-3	3"	SCH80	Tee		✓	50 psi	No	3-Years	✓
FV-3-40	3"	SCH40	Tee		✓	50 psi	No	3-Years	✓
FV-4	4"	SCH80	Tee		✓	50 psi	No	3-Years	✓
FV-6	6"	SCH80	Saddle		✓	50 psi	No	3-Years	✓
FV-8	8"	SCH80	Saddle		✓	50 psi	No	3-Years	✓

*Advanced features and functionality can be gained by combining FlowVis Digital (model FV-D) with a standard analog FlowVis. Note that a standard FlowVis® model is required for each FlowVis® Digital installation.



Progress through Innovation™

Our innovative solutions are developed with a focus on controlling, monitoring and measuring flow. Contact your authorized H2flow Controls solutions provider to find out how our products can help you and your customers.

Find an authorized partner at www.h2flow.net/locate-a-partner



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FV&FV-D Rev.1.4

