

FlowVis[®]
FLOWMETER



YOUR
SWIMMING POOL'S
SPEEDOMETER!



CONTROL

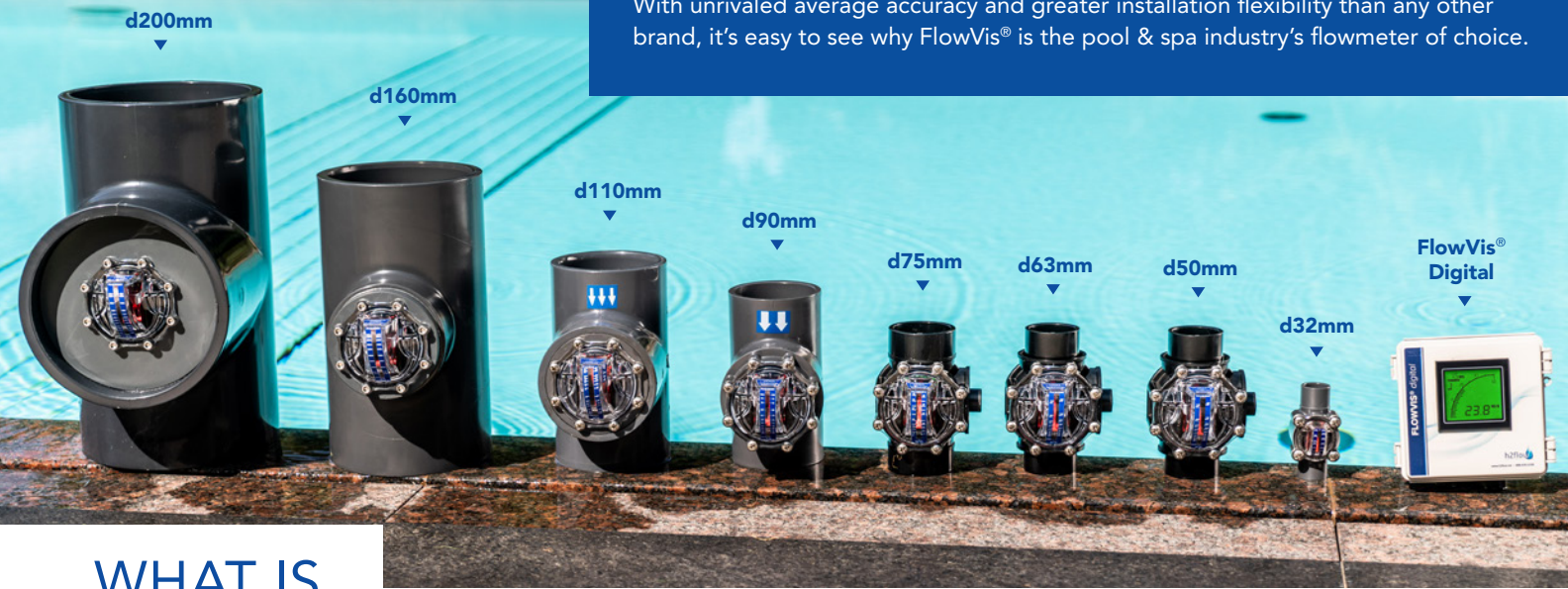
PROTECT

OPTIMISE

FLOWVIS[®] FLOWMETERS

Say "Hello" to the family of FlowVis® flowmeters!

With unrivaled average accuracy and greater installation flexibility than any other brand, it's easy to see why FlowVis® is the pool & spa industry's flowmeter of choice.



WHAT IS FLOWVIS®?

FlowVis® is the most advanced, affordable, and reliable flowmeter, designed specifically for pools, spas, fountains, and water features. Ingenious in concept and flawless in operation, FlowVis® is a revolution in reliable flow measurement! **FlowVis® allows you to set your pump's speeds correctly; to optimise filtration performance, backwash water consumption and guarantee maximal energy savings.**

Watch our FlowVis® promotion video

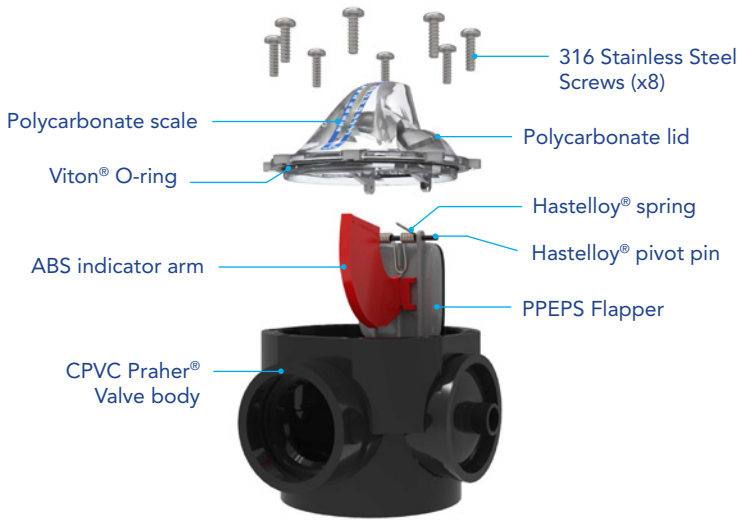


8 MODELS AVAILABLE (Ø32mm to Ø200mm)

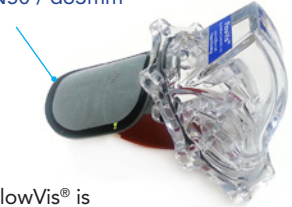
Item No.	Description	Pipe diameter	Flow range (m ³ /h)
90019	FlowVis® Flowmeter	d 32 mm	1,2 - 5,4
90020	FlowVis® Flowmeter + Check valve	d 50 mm	2,4 - 21,0
90021	FlowVis® Flowmeter + Check valve	d 63 mm	2,4 - 24,0
90026	FlowVis® Flowmeter	d 75 mm	7,0 - 45,0
90022	FlowVis® Flowmeter	d 90 mm	16,0 - 54,0
90023	FlowVis® Flowmeter	d 110 mm	27,0 - 102,0
90027	FlowVis® Flowmeter	d 160 mm	68,0 - 227,0
90028	FlowVis® Flowmeter	d 200 mm	113,0 - 420,0

BUILT TO LAST

FLOWVIS® KEY FEATURES & BENEFITS



Highly corrosion resistant Viton® flapper seal on models DN40 / d50mm and DN50 / d63mm



FlowVis® is manufactured in the U.S.A

EASY TO READ



CLEAR, STABLE READING IN M³/H

- ▶ No “bouncing” floats, No paddle wheels, FlowVis® will not stick or provide inaccurate readings.
- ▶ Maintains accuracy even with air in the system.



ACCURATE



THE MOST RELIABLE FLOW MEASUREMENT

- ▶ Verified accuracy of ≥98% across the entire model range !
- ▶ FlowVis® is the only NSF 50 level 1 certified flow meter in the world.

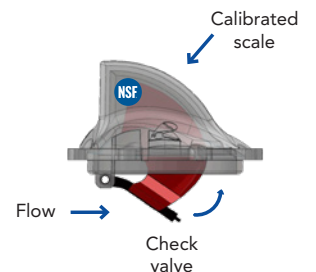


INNOVATIVE



**UNIQUE PATENTED DESIGN
2 IN 1 : FLOWMETER + NON RETURN VALVE**

- ▶ FlowVis® is more than just a flow meter, it is also a fully functioning non return valve (models DN40 / d50mm & DN50 / d63mm) !

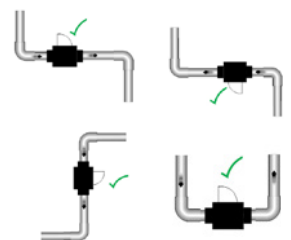


FLEXIBLE



YOU CAN'T INSTALL IT INCORRECTLY!

- ▶ Installs quickly and easily with no calibration required.
- ▶ Installs without the need for straight pipe before or after.
- ▶ Can be installed right next to other fittings.
- ▶ Can be installed horizontally, vertically or upside down!





IWS
Innovative Water Solutions Inc.



KNOWING THE FLOW IS A MUST FOR EVERY POOL!

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

FlowVis® Digital Installation video 1

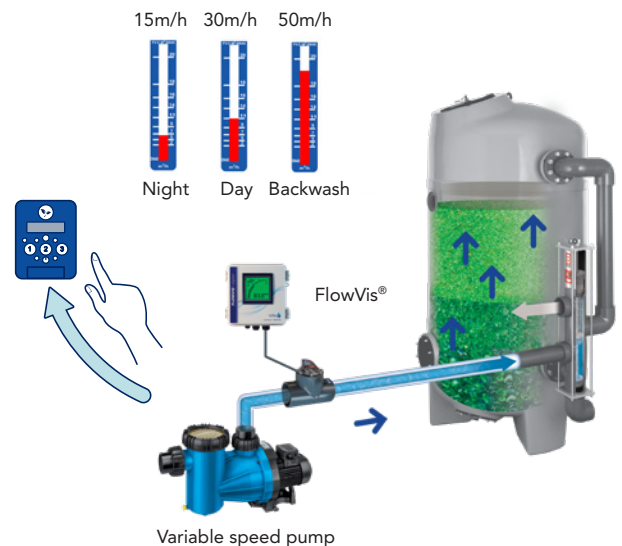


FOR PROCESS SECURITY AND CONTROL

- ▶ FlowVis® improves the management and the control of all new and existing installations. In a pool system, head losses are always underestimated and most water quality issues are directly linked to incorrect flowrates. With FlowVis®, your pool can run at its optimal speed at all times - during filtration and backwash phases.

TO SET YOUR PUMP'S SPEEDS CORRECTLY

- ▶ Ensure proper turnover rate and achieve best filtration performance: High filtration performance means less disinfectants are used, resulting in healthier water and better air quality at lower costs.
- ▶ Maximize energy savings: Dividing the velocity by 2 will divide pressure loss and energy consumption by a factor of 4! A slow filtration at night is recommended!
- ▶ Optimise backwash water savings, water feature operation and ensure heating systems efficiency.



A slow filtration speed at night is ideal!

- ▶ Finer filtration.
- ▶ Energy consumption close to 0.
- ▶ No stagnant water = less bacterial growth.
- ▶ Stable water quality.

FLOWVIS® DIGITAL



The FlowVis® Digital flow meter is designed with accuracy and reliability in mind, but its impressive >98% accuracy and unparalleled reliability are just a starting point.

FlowVis® Digital
Installation video 2



A wide array of advanced features and functionality, ability to interface with other equipment and uncompromising build quality, are what really set it apart from the competition.

ACCURATE

INTELLIGENT

RETROFITTABLE

TURNOVER RATE IN HOURS

Make sure to achieve the minimum turnover rate for your swimming pool or spa. FlowVis® Digital is the first and only flow meter that displays the current turnover rate.

REMOTE INDICATION

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

FLOW RATE ALARMS

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

PRECISE FLOWRATE

Factory calibrated to mirror a Magnetic flow meter that has an NIST traceable accuracy of 0.02%. Unlike other digital flowmeters, FlowVis® is programmed with a simple selection of 4 DIP switches.

RETROFITTABLE

The wall-mountable FlowVis® Digital can be retrofitted to new or existing FlowVis® installations to provide easy access to an accurate flow reading.

ADAPTABLE FLOWRATE DISPLAY

Digital and graphical display of flowrate with different measurement options (US gpm, LPM or m³/h)



**SCAN THE QR CODE
TO DOWNLOAD
OUR FLOWVIS® DIGITAL
INSTALLATION MANUAL**



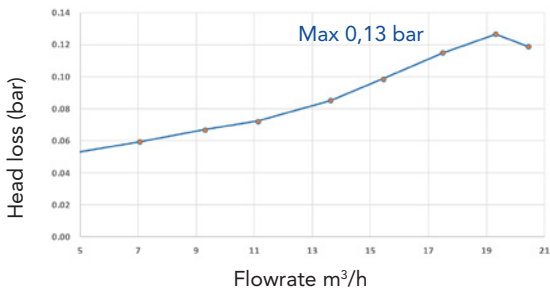


FLOWVIS®

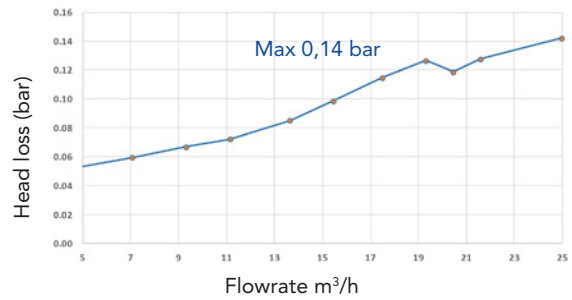
HEAD LOSS DATA

FlowVis® has a small to moderate impact on head, depending on the model:

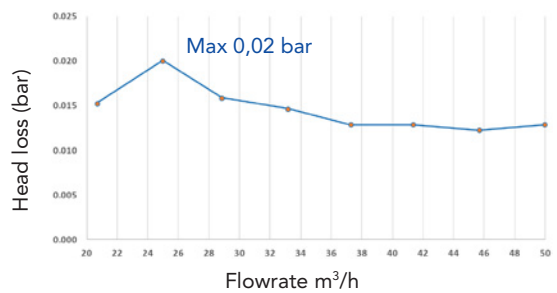
Head loss (bar) - d50mm



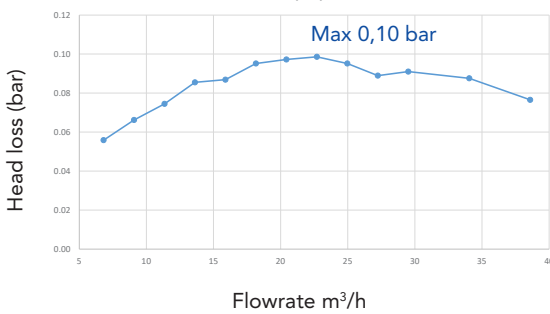
Head loss (bar) - d63mm



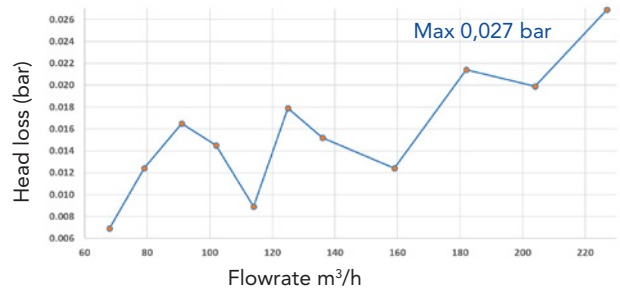
Head loss (bar) - d90mm



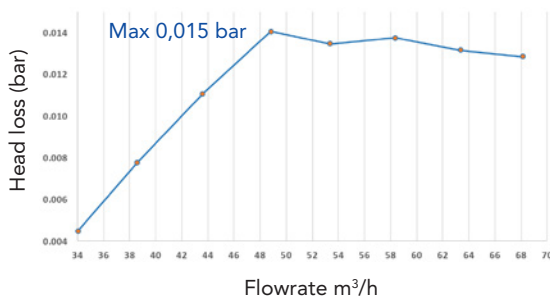
Head loss (bar) - d75mm



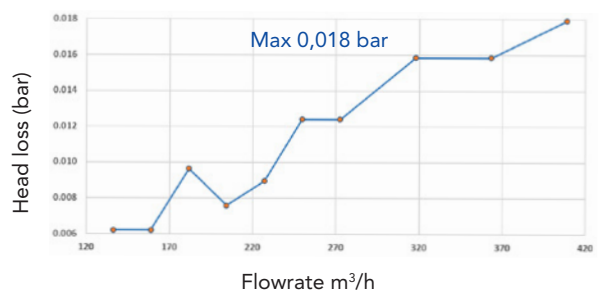
Head loss (bar) - d160mm

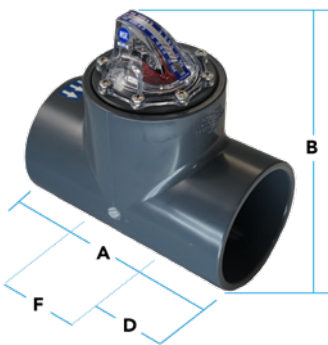
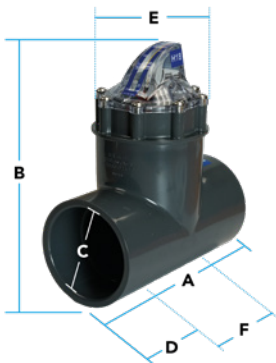
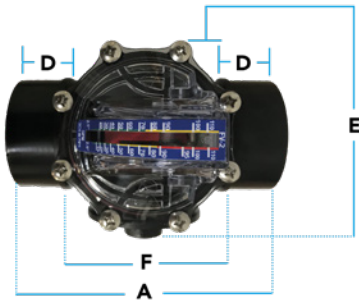


Head loss (bar) - d110mm



Head loss (bar) - d200mm





d32mm #90019

Reference	Dimension
A	112.95 mm
B	87.75 mm
C	inside/outside 25/32mm
D	28.58 mm
E	56.30 mm
F	55.79 mm
WEIGHT	0.147 kg

d50mm #90020

Reference	Dimension
A	165.1 mm
B	149.23 mm
C	inside 50mm
D	34.93 mm
E	117.6 mm
F	92.25 mm
WEIGHT	0.544 kg

d63mm #90021

Reference	Dimension
A	165.1 mm
B	149.23 mm
C	inside 63mm
D	34.93 mm
E	117.6 mm
F	92.25 mm
WEIGHT	0.544 kg

d75mm #90026

Reference	Dimension
A	165.1 mm
B	149.23 mm
C	inside/outside 63/75mm
D	34.93 mm
E	117.6 mm
F	92.25 mm
WEIGHT	0.544 kg

d90mm #90022

Reference	Dimension
A	203.2 mm
B	241.3 mm
C	inside 90 mm
D	47.63 mm
E	114.3 mm
F	107.96 mm
WEIGHT	1.36 kg

d110mm #90023

Reference	Dimension
A	233.0 mm
B	247.65 mm
C	inside 110 mm
D	53.0 mm
E	133.26 mm
F	127.0 mm
WEIGHT	2.27 kg

d160mm #90027

Reference	Dimension
A	333.8 mm
B	297.2 mm
C	inside 160 mm
D	100 mm
E	128 mm
F	133.8 mm
WEIGHT	4.4 kg

d200mm #90028

Reference	Dimension
A	420 mm
B	346 mm
C	inside 200 mm
D	95 mm
E	230 mm
F	230 mm
WEIGHT	10.2 kg



OPERATIONAL DATA

- ▶ Max working pressure 3.5 Bar
- ▶ Min/Max operating ambient temp 0°C / 60°C
- ▶ Periodic calibration Not required

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FLOWVIS® INSTALLATION
MANUAL

