

FLOWVIS[®] FLOW METER



A revolution in reliable flow measurement



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MEET THE FLOWVIS FAMILY

Say 'hello' to the complete family of FlowVis® flow meters. With more NSF 50 certified models and a higher average accuracy than any other brand of flow meter, you'll be glad we made the introduction!

RETROFIT MODELS	FV-J-R	FV-J-R-15	FV-P-R	FV-P-R-15	FV-H-R	FV-P-R-15
	RETROFIT FOR 2" X 2.5" JANDY® VALVE BODIES	RETROFIT FOR 1.5" JANDY® VALVE BODIES	RETROFIT FOR 2" X 2.5" PRAHER VALVE BODIES	RETROFIT FOR 1.5" PRAHER VALVE BODIES	RETROFIT FOR 2" X 2.5" HAYWARD VALVE BODIES	RETROFIT FOR 1.5" HAYWARD VALVE BODIES
COMPLETE MODELS	FV-C (2")	FV-C (2.5")	FV-C-S	FV-C-Saline	FV-3	FV-4
	COMPLETE 2" UNIT WITH CHECK VALVE	COMPLETE 2.5" UNIT WITH CHECK VALVE	COMPLETE 2 X 2.5" NON-CHECK VALVE UNIT FOR SVRS APPLICATIONS	COMPLETE 2 X 2.5" UNIT FOR FLOAT TANKS	COMPLETE 3" UNIT WITH TEE	COMPLETE 4" UNIT WITH TEE

VELOCITY INDICATION / FPS

All FlowVis® models feature an indication on the GPM/LPM scale. This indication of velocity appears in red, yellow, and green bars along-side the GPM and LPM readings, and displays flow in feet per second (FPS).

FPS INDICATED IN GREEN	FPS INDICATED IN YELLOW	FPS INDICATED IN RED
≤5 FPS	5-9 FPS	≥9 FPS

The colour bands that appear next to the flow rate on the GPM/LPM scale of the FlowVis provide the user with information on the Meters per Second (MPS) of head.



NSF 50 CERTIFIED CONFIGURATIONS & CERTIFICATION LEVELS

PIPE SIZE	PIPE SCHEDULE	MODEL	NSF 50 CERTIFIED	HORIZONTAL STRAIGHT PIPE	HORIZONTAL BETWEEN 90's	VERTICAL UP STRAIGHT PIPE	VERTICAL UP BETWEEN 90's	VERTICAL DOWN STRAIGHT PIPE	VERTICAL DOWN BETWEEN 90's
1.5"	40	FV-C-15, FV-C-15-L	☐	-	-	-	-	-	-
2"	40	FV-C, FV-C-L	☒	L1	L1	L1	L1	L1	L1
2.5"	40	FV-C, FV-C-L	☒	L1	L1	L1	L1	L1	L1
1.5"	80	FV-C-15, FV-C-15-L	☐	-	-	-	-	-	-
2"	80	FV-C, FV-C-L	☐	-	-	-	-	-	-
2.5"	80	FV-C, FV-C-L	☐	-	-	-	-	-	-
2"	40	FV-C-S	☒	L1	L1	-	-	-	-
2"	40	FV-C-Saline, FV-C-L-Saline	☒	L1	L1	-	-	-	-
3"	80	FV-3, FV-3-L	☒	L1	L3	L1	L3	L1	L2
4"	80	FV-4, FV-4-L	☒	L1	L3	L1	L3	L1	L2

TEN THINGS THAT YOU NEED TO KNOW ABOUT FLOWVIS

1. Three products in one: Flow Meter, Check Valve and Velocity Meter (FV-3 & FV-4 non-check valve)
2. Average Accuracy of 97.9% (FV-C) ≥95% (FV-3 & FV-4)
3. Installs without the need for straight pipe before or after
4. The only NSF 50 certified Level 1 flow meter in the world
5. Compatible with 40/ 50/ 80/ 100mm ANZ Pressure Pipe OD compliant with AS/NZS 1477 Schedule 6, 9, 12 and 18
6. Available for 1.5", 2.0", 2.5", 3" and 4" pipe. 6" and 8" planned for late 2019
7. Five-year breakage warranty
8. Patented and manufactured in the USA
9. Digital upgrade with several unique features coming mid-2019
10. Enables energy savings by knowing the flow when using variable speed pumps

HEAD LOSS

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

HEAD LOSS (m H ₂ O)			
MODEL	MIN. FLOW	MID-POINT	MAX. FLOW
FV-C	0.54	1.04	1.45
FV-C-S	0.39	0.94	1.25
FV-C Saline	0.41	0.91	1.36
FV-3	0.16	0.13	0.13
FV-4	0.13	0.14	0.05

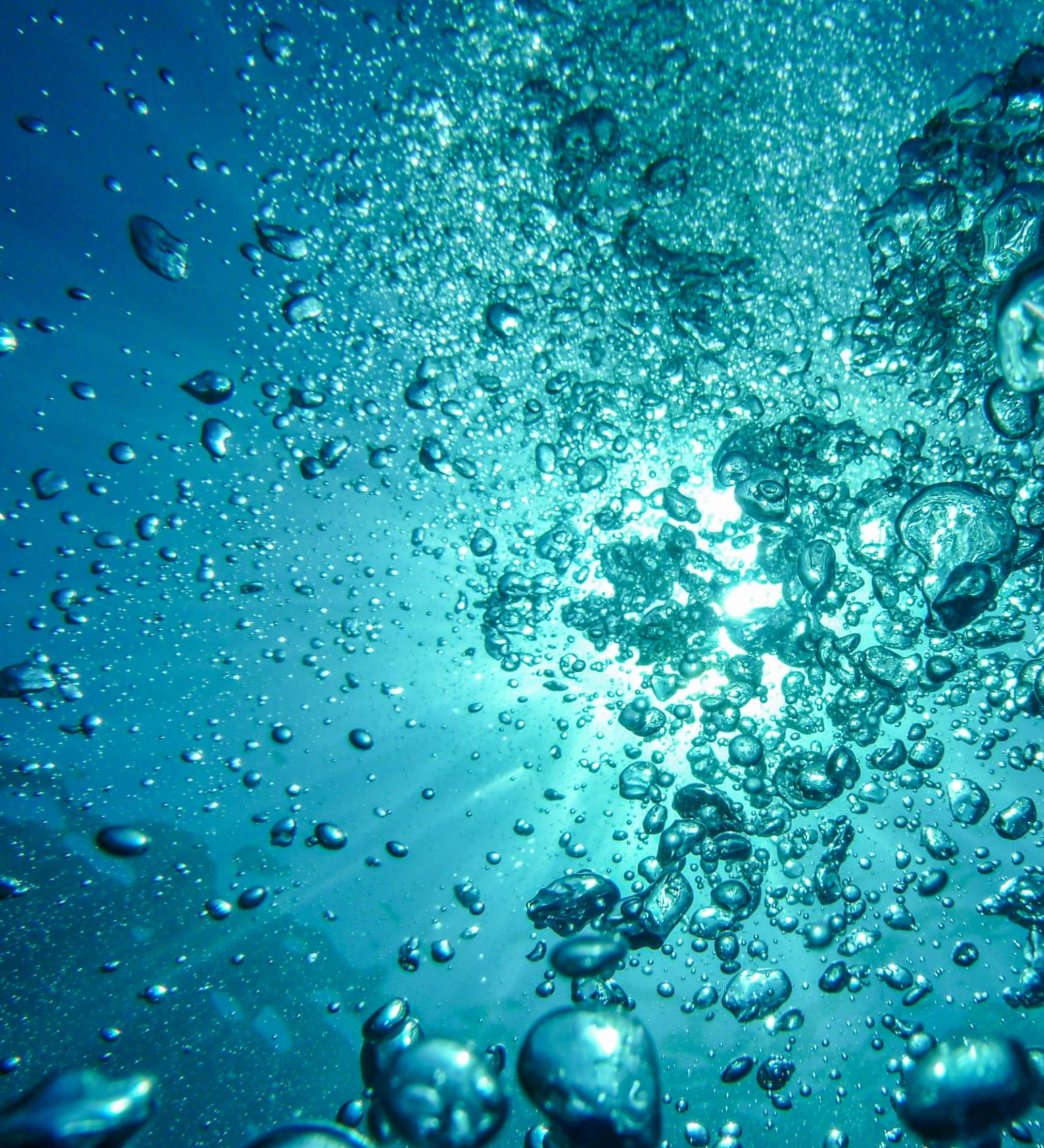
HEAD LOSS (kpa)			
MODEL	MIN. FLOW	MID-POINT	MAX. FLOW
FV-C	5.17	8.27	14.48
FV-C-S	4.14	7.58	12.41
FV-C Saline	4.14	7.58	13.10
FV-3	1.52	3.17	2.96
FV-4	0.48	1.38	1.31

SPECIFICATION

	1.5", 2" / 2.5"	3"	4"
FLOW RANGE GPM	10-90 (1.5") / 10-110 (2" / 2.5")	90-220	160-300
FLOW RANGE LPM	38-341 (1.5") / 38-416 (2" / 2.5")	341-833	606-1136
VELOCITY INDICATION	5, 7, 9 FPS	5, 7, 9 FPS	5, 7, 9 FPS
WORKING PRESSURE	50 PSI	50 PSI	50 PSI
HEAD LOSS	Refer to Head Loss data on page 6 of this brochure		
STRAIGHT PIPE BEFORE	0"	0" (L3) / 60" (L1)	0" (L3) / 80" (L1)
STRAIGHT PIPE AFTER	0"	0" (L3) / 60" (L1)	0" (L3) / 80" (L1)
AVERAGE ACCURACY	97.9%	98.15%	98.7%

NSF 50 Accuracy Levels:

- Level 1 (L1)** - Average of absolute values of all single point deviations must be ≤2%. Single point deviations shall not exceed ±4%.
- Level 2 (L2)** - Average of absolute values of all single point deviations must be ≤5%. Single point deviations shall not exceed ±7.5%.
- Level 3 (L3)** - Average of absolute values of all single point deviations must be ≤10%. Single point deviations shall not exceed ±12.5%.
- Level 4 (L4)** - Average of absolute values of all single point deviations must be ≤12.5%. Single point deviations shall not exceed ±15%.
- Level 5 (L5)** - Average of absolute values of all single point deviations must be ≤15%. Single point deviations shall not exceed ±20%.



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