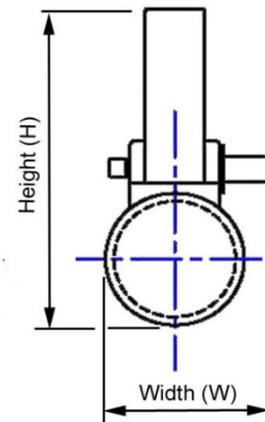
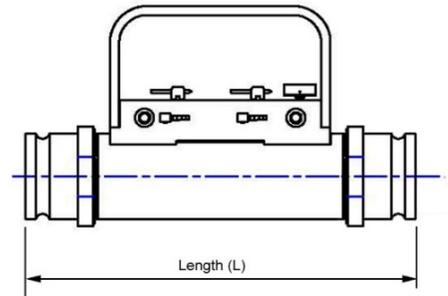


Performance / Specifications

SPECIFICATIONS	3M	5M
	H ₂ O Neutralizer	H ₂ O Neutralizer
Tube Size:	3"	5"
Mainline Orifice Size:	2"	4"
Orifice Ring Inserts:	1.5", 1", 0.75"	3.5", 3", 2.5", 2", 1.5", 1", 0.75"
Weight:	18	26
Length (L):		
Plain End (MNPT):	15"	15"
Type 'A' Cam Lock connections:	18" ±	19" ±
Width (W):	5"	7.5"
Height (H):	9"	12"



PERFORMANCE		
Flow Range (with full vacuum):	10 - 1250+ gpm	10 - 4,000+ gpm
High End limit is determined by system pressure.		
Feed Solution Draw Rate: (with full vacuum)	0 - 1 GPM	0 - 1 GPM
Chlorination¹		
Chlorinate to:	Flow Range	Flow Range
50 ppm	≤ 1250 gpm	≤ 2500 gpm
100 ppm	≤ 1250 gpm	≤ 1300 gpm
200 ppm	≤ 600 gpm	≤ 600 gpm
Dechlorination²		
Chlorine Residual Levels	Flow Range	Flow Range
≤ 300 ppm	10 - 500 gpm	10 - 500 gpm
≤ 200 ppm	10 - 750 gpm	10 - 750 gpm
≤ 100 ppm	10 - 1250 gpm	10 - 1500 gpm
≤ 50 ppm	10 - 1250 gpm	10 - 3,000 gpm
≤ 25 ppm	10 - 1250 gpm	10 - 4,000+ gpm

¹ Based on using 12.5% Sodium Hypochlorite Solution.

² Based on using *No-Chlor* Calcium Thiosulfate Solution, full strength with the H₂O Neutralizer and 'Diffuser Kit'.

No-Chlor CTS has the lowest cost in dechlorination with the safest environmental reactions. CTS is pH neutral, will not effect dissolved oxygen, NSF 60 Listed and is the **BEST** CHEMICAL TO USE FOR FIELD DECHLORINATION. At less than \$8.00 in chemical cost to neutralize **one pound of chlorine**.

The H₂O Neutralizer is a patented device that features orifice ring inserts to give the operator the ability to make the device perform 100% at any flow range. Whether you use a 1" hose connection or large diameter transmission line as your water source the H₂O Neutralizer will work, from pressure ranges of just head pressure to 150 psi. The special modified venturi creates a full vacuum at 10 gpm flow, this full vacuum with the control valve in the open position will draw one gallon per minute of feed solution.



from **Measurement Technologies**

PO Box 2195, Redmond, WA 98073

www.h2oneutralizer.com

Toll Free 877-889-8482

H₂O Neutralizer

Chlorination/DeChlorination Device

Sample Specification for 3M-3100/3200

The device will chlorinate and dechlorinate in the flow range of 10 – 1250+ GPM with a vacuum of 27+ inches. The device will have one fixed orifice with three (3) additional orifices, which can be inserted in the fixed orifice to reduce the orifice opening to allow control of the water flow and to create the differential pressure required to create the vacuum in the lateral by-pass modified venturi. The venturi will have a draw rate of one gallon per minute when the feed solution control valve is in the open position and allows reducing the draw rate to give the operator the ability to control chemical usage entering the main flow of water. This combination of a main line orifice with a lateral by-pass venturi allows for both chlorination and dechlorination of water lines. The device must have a make-up water control valve, which will allow the user to make additional batches of feed solution if using a granular chemical. The make-up water control valve also allows the user to determine what the incoming chlorine residual levels are by drawing and testing water samples from this outlet. The device works with water pressure only; no outside power will be required. The differential water pressure creates a vacuum that will draw the feed solution into the waterway. The vacuum will only work in one direction. Once the flow has stopped, the vacuum will cease. No backflow or reverse flow will occur with the chemical solution entering the water source. The device is furnished with a custom storage case, including vinyl tubing and adapter. Dechlorination/Chlorination device shall be equal to the **H₂O Neutralizer**, Model 3M-3100/3200, as manufactured by Measurement Technologies, Inc. of Redmond, Washington or prior approved equal.

Sample Specification for 5M-5100/5200

The device will chlorinate and dechlorinate in the flow range of 10 – 4,000+ GPM with a vacuum of 27+ inches. The device will have one fixed orifice with seven (7) additional orifices, which can be inserted in the fixed orifice to reduce the orifice opening to allow control of the water flow and to create the differential pressure required to create the vacuum in the lateral by-pass modified venturi. The venturi will have a draw rate of one gallon per minute when the feed solution control valve is in the open position and allows reducing the draw rate to give the operator the ability to control chemical usage entering the main flow of water. This combination of a main line orifice with a lateral by-pass venturi allows for both chlorination and dechlorination of water lines. The device must have a make-up water control valve, which will allow the user to make additional batches of feed solution if using a granular chemical. The make-up water control valve also allows the user to determine what the incoming chlorine residual levels are by drawing and testing water samples from this outlet. The device works with water pressure only; no outside power will be required. The differential water pressure creates a vacuum that will draw the feed solution into the waterway. The vacuum will only work in one direction. Once the flow has stopped, the vacuum will cease. No backflow or reverse flow will occur with the chemical solution entering the water source. The device is furnished with a custom storage case, including vinyl tubing and adapter. Dechlorination/Chlorination device shall be equal to the **H₂O Neutralizer**, Model 5M-5100/5200, as manufactured by Measurement Technologies, Inc. of Redmond, Washington or prior approved equal.



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