

2020 Catalog

The Green Solution for Neutralization



Condensate Neutralization Solutions for:

BOILERS

FURNACES

HOT WATER HEATERS

INFRARED HEATERS

FLUE DRAINS

ABOUTUS OUR COMPANY

Industry-leading neutralization solutions for residential and light commercial installations.

JJM Alkaline Technologies™ is an industry leader in the design and manufacture of condensate neutralization products and solutions.

JJM™ was established in 2005 by our founder, George Carney, who brought over 30 years of heating and hydronics experience to create our innovative solutions.

Our products are purpose-built and designed to perform in critical applications for the heating and

plumbing industries. JJM™ products are trusted by engineers, contractors, and service technicians to ensure the safe treatment of condensate in compliance with industry, federal, state, and local codes.

JJM™ products can be purchased from leading Original Equipment Manufacturers, dealers, and regional wholesalers of heating and plumbing equipment throughout the United States and Canada.

We offer the broadest portfolio of solutions for the treatment of acidic condensate produced by today's condensing, high-efficiency heating appliances:



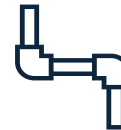
Boilers



Hot Water Heaters



Furnaces



Flue Stack Drains



Infrared Heaters



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CBMSERIES INLINE TUBES



The CBM-Series is the latest innovation from JJM™ that features a streamlined profile and transparent capsule, which enables operators and service technicians to visibly inspect the efficacy of the neutralization process.

The CBM-Series is easily serviced in the field via our factory-direct refill pre-charged with pH Power Pellets™.

CBM SERIES



Model CBM-225

 **1.70 GPH**

Part #5002

MBH	225
Flow Rate	1.70 GPH
Inlet Port	.5" or .75"
Outlet Port	.5" or .75"
Mounting	Floor/Wall



Model CBM-226

 **16 GPH**

Part #5003

MBH	1,500
Flow Rate	16 GPH
Inlet Port	1" Coupling/ Sch40 PVC Pipe
Outlet Port	1" Coupling/ Sch40 PVC Pipe
Mounting	Floor/Wall



Model CBM-227

 **24 GPH**

Part #5004

MBH	3,000
Flow Rate	24 GPH
Inlet Port	1" Coupling/ Sch40 PVC Pipe
Outlet Port	1" Coupling/ Sch40 PVC Pipe
Mounting	Floor/Wall



Parallel



Serpentine

Alternative System Flow Patterns

Part #5005

- Optional Fittings Kit
- (4) 1" Sch40 PVC Street Ells
- (2) 1" Sch40 PVC Tees

JMSERIES INLINE TUBES



The JM-Series is the traditional line from JJM™ that has been trusted by commercial operators and leading Original Equipment Manufacturers since our earliest days.

Built tough from PVC components, the JM-Series is a heavy-duty inline tube neutralizer for larger commercial installations.

JM SERIES



Model JM-40

 **32 GPH**

Part #1013

MBH	4,000
Flow Rate	32 GPH
Inlet Port	2 - 1.0"NPT
Outlet Port	2 - 1.0"NPT
Mounting	Floor/Wall



Model JM-50

 **40 GPH**

Part #1014

MBH	5,000
Flow Rate	40 GPH
Inlet Port	2 - 1.0"NPT
Outlet Port	2 - 1.0"NPT
Mounting	Floor/Wall

NBSERIES TANKS



The NB-Series is a heavy-duty tank neutralizer built for demanding light commercial installations where a small footprint is warranted.

The NB-Series is capable of handling installations with multiple heating appliances.

NB SERIES



Model NB-2

 16 GPH

Part #2000

MBH	2,000
Flow Rate	16 GPH
Inlet Port	.75" FNPT
Outlet Port	.75" FNPT
Mounting	Floor



Model NB-4

 32 GPH

Part #2001

MBH	4,000
Flow Rate	32 GPH
Inlet Port	1" FNPT
Outlet Port	1" FNPT
Mounting	Floor



Model NB-6

 45 GPH

Part #2003

MBH	6,000
Flow Rate	45 GPH
Inlet Port	1" FNPT
Outlet Port	1" FNPT
Mounting	Floor



Model NB-6P

 30 GPH

Part #2008

MBH	4,000
Flow Rate	30 GPH
Inlet Port	1" FNPT
Outlet Port	.5" Barb
Mounting	Floor



Model NB-12

 95 GPH

Part #2007

MBH	12,000
Flow Rate	95 GPH
Inlet Port	1" Socket
Outlet Port	1" Socket
Mounting	Floor



Model NB-5LP

 40 GPH

Part #2002

MBH	5,000
Flow Rate	4.0 - 40 GPH
Inlet Port	2 - 1" FNPT
Outlet Port	2 - 1" FNPT
Mounting	Floor

NBTSERIES TANKS



The NBT-Series is our versatile line of tank neutralizers that ranges from residential to light commercial installations.

Easily serviceable with a removable lid, NBT-Series neutralizers are well-suited for most standard operating site conditions.

NBT SERIES



Model NBT-24-P

 **2.6 GPH**

Part #2012

MBH	350
Flow Rate	2.6 GPH
Inlet Port	.75" PVC Pipe
Outlet Port	3/8" O.D. Barb
Mounting	Floor



Model NBT-23

 **2.4 GPH**

Part #2009

MBH	300
Flow Rate	0 - 2.4 GPH
Inlet Port	.75" Socket
Outlet Port	.75" Socket
Mounting	Floor/Wall



Model NBT-230

 **26 GPH**

Part #2011

MBH	3,500
Flow Rate	26 GPH
Inlet Port	1" PVC Socket
Outlet Port	1" PVC Socket
Mounting	Floor



Model NBT-610

 **11 GPH**

Part #2010

MBH	1,500
Flow Rate	11 GPH
Inlet Port	1" PVC Socket
Outlet Port	1" PVC Socket
Mounting	Floor

V SERIES VERTICAL CANISTERS



The V-Series is the vertical mount solution from JJM™ that is ideal for single and multi-unit residential installations where space is limited.

V SERIES



Model V-125

 **.95 GPH**

Part #4008

MBH	125
Flow Rate	.95 GPH
Inlet Port	.75" PVC Socket
Outlet Port	.75" PVC Socket
Mounting	Wall Mount



Model V-250

 **1.9 GPH**

Part #4000

MBH	250
Flow Rate	.95 GPH
Inlet Port	.75" PVC Socket
Outlet Port	.75" PVC Socket
Mounting	Wall Mount

pH POWERPELLET REFILLS



JJM™ products use our proprietary pH Power Pellets™, which are produced at our facility and whose formula has been developed over years. pH Power Pellets™ are found exclusively in JJM™ products. pH Power Pellets™ are non-toxic and shelf-stable, with magnesium oxide as the active ingredient. For information on pH Power Pellets™, including Safety Data Sheet, visit **www.jjmalkalinetech.com**.

WARNING

Only pH Power Pellets™ can be used in JJM™ neutralizers. Any other media, such as limestone or marble chips, is strictly prohibited. Failure to follow these instructions completely voids the manufacturer's limited warranty and could cause a safety hazard, severe personal injury, death or substantial property damage.


REFILL KITS

Bulk Refills


Part #	Weight
3001	12.5 lb
3002	25 lb
3003	35 lb



Individual Refill Kits




CBM Series	
Model #	Refill Part #
CBM-225R	6002
CBM-226R	6003
CBM-227R	6004




JM Series	
Model #	Refill Part #
JM-40R	1109
JM-50R	1110



V Series	
Model #	Refill Part #
V-125R	4001
V-250R	4003



NB Series	
Model #	Refill Part #
NB-4R	3002
NB-6R	3003
NB-12R	3004
NB-5LPR	1112



NBT Series	
Model #	Refill Part #
NBT-23R	1111
NBT-610R	1113
NBT-230R	1114
NBT-24R	1115

JJM PRODUCT SIZING CONSIDERATIONS

When selecting the appropriate neutralizer, the engineer, contractor, or service technician should consider several factors, including:



BTU Input of Heating Equipment

BTU Input of Heating Equipment is the fundamental factor to consider when sizing a neutralizer. JJM™ products are rated according to BTU capacity and the resulting gallons per hour (GPH) of condensate produced by the appliance(s). The guide below provides the estimated condensate produced based on an appliance's efficiency and BTU input. As efficiency and heating input capacity increases so does the condensate produced.

Equipment Efficiency	GPH Condensate
90%	.725/Per 100,000 BTU Input
91%	.733/Per 100,000 BTU Input
92%	.741/Per 100,000 BTU Input
93%	.750/Per 100,000 BTU Input
94%	.758/Per 100,000 BTU Input
95%	.766/Per 100,000 BTU Input
96%	.774/Per 100,000 BTU Input
97%	.782/Per 100,000 BTU Input
98%	.790/Per 100,000 BTU Input
99%	.798/Per 100,000 BTU Input



Heating Days

The degree and variance of heat required could impact the volume of condensate produced.



System Design

The type of heating system, such as process, radiant, snow melt, or hydronic, should be considered as well. Specific operating site conditions or configuration, such as location or height of the heating appliance, could determine the appropriate neutralizer solution.



Operating Hours

Operating hours of the heating equipment (often a consideration in commercial installations) could impact the volume of condensate produced. Extreme peaks in condensate production can impact the soak time necessary for safe condensate neutralization.



TERMS AND CONDITIONS OF SALE | JJM BOILER WORKS, INC.

1. Agreement. Unless otherwise set forth in writing signed by JJM Boiler Works, Inc. or its affiliates ("JJM"), the following terms and conditions of sale ("**Agreement**") apply to all sales of products from JJM to you and your organization ("**Buyer**"). Acceptance by JJM of any purchase order submitted by Buyer is limited to this Agreement. JJM rejects any different or additional terms contained in any purchase order, and Buyer agrees that the terms and conditions stated herein shall replace and supersede any contradictory terms in any purchase order. Buyer's submission of an order and acceptance of product(s) constitutes Buyer's agreement to all of the terms and conditions herein. All prior or subsequent oral or written statements varying the Agreement are specifically rejected and disclaimed unless formally agreed to in writing by a duly authorized representative of JJM. READ THIS AGREEMENT CAREFULLY BEFORE MAKING A PURCHASE BECAUSE IT CONSTITUTES A LEGALLY BINDING AGREEMENT. BY VISITING, ACCESSING, OR OTHERWISE USING JJM'S WEBSITE OR ACCEPTING GOODS PURCHASED FROM JJM, BUYER IS ACCEPTING AND AGREEING TO THE MOST-RECENT VERSION OF THIS AGREEMENT, AND BUYER'S CONTINUING VISIT, ACCESS, OR USE OF THE SITE OR ACCEPTANCE OF GOODS PURCHASED REAFFIRMS BUYER'S ACCEPTANCE AND AGREEMENT IN EACH INSTANCE. JJM MAY SUPPLEMENT, AMEND, OR OTHERWISE MODIFY THIS AGREEMENT AT ANY TIME. SUCH MODIFICATIONS WILL BE POSTED ON THE SITE OR OTHERWISE PROVIDED TO BUYER, AS APPLICABLE, AND SHALL BE DEEMED EFFECTIVE AS OF THE STATED EFFECTIVE OR MODIFICATION DATE.

2. Orders. Buyer takes responsibility for order accuracy when submitting any purchase order. Orders placed will not be binding on JJM until accepted by JJM's authorized representative. JJM may accept or reject purchase orders from Buyer at its option. Confirmed purchase orders are binding on Buyer and may not be varied, delayed, or canceled without JJM's written consent.

3. Pricing. All prices and quotations are subject to change without notice prior to acceptance by Buyer. Prices are stated in US Dollars, and are exclusive of sales, use, excise or similar taxes. Any tax or other governmental charge on the production, sale, shipment, or use of the products will be added to the price of the products. Buyer may furnish JJM with a tax exemption certificate acceptable to the appropriate taxing authority. Any changes in tariffs, freight rates, or transportation charges before shipment will be paid by the Buyer.

4. Payment Terms. Payment terms are set forth on each invoice, and will be paid by Buyer without any withholding, deduction, set-off or counterclaim. JJM reserves the right to modify or withdraw any credit terms extended to Buyer at any time without notice, or to require guarantees, security, or payments in advance. If Buyer fails to fulfill these payment terms, JJM may defer further shipments to Buyer or, at its option, cancel the unshipped portion of Buyer's order. Buyer will pay interest on all late payments at the lesser of the rate of 1.5% per month or the highest rate permissible under law. Buyer shall reimburse JJM for all costs incurred in collecting any late payments, including attorneys' fees.

5. Shipment & Acceptance. JJM may ship via its preferred carrier. Title to the products and risk of loss of the products will pass on JJM's placement of the products with the carrier. Shipping terms are F.O.B. Westfield, Massachusetts unless otherwise agreed.

6. Cancellation & Return. Buyer's purchase order may not be modified or rescinded except in a writing signed by JJM and Buyer. Buyer shall inspect all products within three business days of receipt of any shipment, and must notify JJM in writing within such three business day period of any labeling issues, quantity issues, JJM's failure to meet the terms of the purchase order, defects, or damage to products due to shipping or otherwise. If a return of products is authorized by JJM, Buyer must follow JJM's return procedures. Any return of products, irrespective of cause, will be at the sole risk of Buyer. Buyer shall have no right to withhold any payment for products due to defects, damage or return of products.

7. Warranties & Disclaimers. JJM products are warranted against defects in materials and workmanship for one year from the ship date. The warranty does not cover issues that result from misuse, improper installation, and/or failure to replace the pH Power Pellets® as instructed. Under this warranty, JJM's obligations shall be limited to replacement of any said product, or part of any product,

provided that said product is returned to JJM and determined by JJM to be defective. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

8. Use. Unless otherwise authorized by JJM, JJM products may only be purchased from approved Original Equipment Manufacturers, dealers, and regional wholesalers. Any unauthorized resale is strictly prohibited. Unless otherwise agreed to by JJM and Buyer, Buyer represents that any product it purchases is for Buyer's own use in the ordinary course of its business and not for resale. Buyer shall not permit anyone to use the product in any manner or for any purpose that infringes, misappropriates, or otherwise violates any intellectual property right or other right of JJM, or that violates any applicable law.

9. Limitation of Liability. In the event Buyer claims that JJM has breached any of its obligations under this Agreement, JJM may request the return of the products and refund to the Buyer the purchase price paid by Buyer. If JJM requests the return of the products, the products shall be redelivered to JJM in accordance with JJM's instructions. In such event, JJM shall have no further obligations under this Agreement. THE REMEDIES PROVIDED FOR IN THIS SECTION SHALL CONSTITUTE THE SOLE RECOURSE OF BUYER AGAINST JJM FOR CLAIMS RELATING TO THE SALE OR USE OF PRODUCTS, WHETHER THE CLAIM IS MADE IN TORT OR IN CONTRACT, INCLUDING CLAIMS BASED ON WARRANTY, NEGLIGENCE, STRICT LIABILITY, PRODUCT LIABILITY, OR OTHERWISE. IN NO EVENT SHALL JJM BE LIABLE FOR INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR LOSS OF USE ARISING OUT OF THE PURCHASE, DELIVERY, INSTALLATION, OR USE OF THE PRODUCTS. JJM'S LIABILITY TO BUYER FOR ANY CLAIMS OR DAMAGES ARISING OUT OF THIS AGREEMENT OR THE PURCHASE, DELIVERY, INSTALLATION, OR USE OF THE PRODUCTS WILL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT(S) AS TO WHICH THE CLAIM IS MADE.

10. Force Majeure. JJM is not liable for any failure to perform its obligations under this Agreement resulting from or contributed to by any acts of God, acts of Buyer, acts of civil or military authority, priorities, fire, strikes or other labor disputes, accidents, floods, epidemics, pandemics, war, riot, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel or supplies, or other circumstances beyond JJM's control.

11. Governing Law & Venue. This Agreement shall be governed by laws of the State of Delaware without regard to conflict of laws provisions. No action for breach of this Agreement shall be brought more than one year after the claim has accrued. All suits and other actions relating to or arising out of or relating to this Agreement will be brought in the Chancery courts of Delaware. Jurisdiction and venue will lie there exclusively.

12. Export & Trade Regulations. The parties acknowledge that if the products purchased under this Agreement are to be delivered to a destination outside of the United States, they could be subject to the U.S. Export Control and Economic Sanctions Regulations. In performing their obligations under this Agreement, the parties will comply with all applicable laws, including any federal, state, and local laws, ordinances and codes, and all rules and regulations.

13. Security Interest. JJM shall have a purchase money security interest in the products to secure payment of the purchase price until paid. Buyer agrees to execute and deliver all documents requested by JJM to protect and maintain its security interests.

14. Intellectual Property. All intellectual property, including, without limitation, inventions, improvements, trademarks, patents, and designs, are the sole property of JJM.

15. Severability; Modification; Entire Agreement. This Agreement is severable; the invalidity or unenforceability of any term or provision shall not affect the validity or enforceability of this Agreement or of any other term. JJM may modify this Agreement at any time. Such modifications will be posted or otherwise provided to Buyer, and shall be effective from the date of posting or provision to Buyer. No other terms or conditions apply to the sale of JJM's product except as stated herein unless agreed to in writing by the Buyer and JJM.



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