VAN-PACKER® CO., INC.

MODEL MW

MONOWALL SPECIAL GAS VENT

TESTING & APPLICATIONS

Model MW (Mono wall – no outer shell) special gas vents have been tested in accordance with the procedures and methods as set forth by UL1738 / ULC S636 *(Venting Systems for Gas Burning Appliances, Categories II, III, & IV)*. Model MW is suitable for venting condensing and near condensing appliances burning natural gas or propane. These vents have a maximum operating temperature of 550° F (288° C) and may be used with negative, neutral, and positive vent pressures (40" water column maximum positive pressure). These vents are suitable for either interior or exterior installations.

LISTING & CODE COMPLIANCE

Van-Packer's Model MW special gas vent is listed by Underwriters Laboratories file MH45778 as a *"Special Gas Vent"* in the United States and as a *"Type BH Vent"* in Canada when installed in accordance with local and national code requirements and our installation instructions.

WARRANTY

Standard and extended are available. Specific terms & conditions apply, contact factory for additional information.

STANDARD SIZES

4" I.D. to 10" I.D. available in 1" increments and from 10" I.D. to 36" I.D. available in 2" increments.

MATERIALS

Vent diameters from 4" to 24" are constructed from 24 gauge (0.025") materials and vent diameters from 26" to 36" are constructed from 20 gauge (0.035") materials. Standard materials are type VP1738 S.S. and type VP1738A S.S. Consult the factory for availability of additional material types and thicknesses.

CLEARANCES

Clearance to Combustibles Vertical Installations	
Section ID	Minimum Clearance
4" – 12"	2"
14" – 24"	4"
26" – 36"	6"

Clearance to Combustibles Horizontal Installations	
Section ID	Minimum Clearance
4" - 12"	3"
14" – 24"	4"
26" – 36"	6"

Model MW is not designed to be installed in a fully enclosed combustible enclosure. Can only be enclosed on two sides with combustible materials. Clearance to non-combustible materials is 0". The clearance space surrounding the venting system shall not be insulated. Insulation of any type or combustible materials cannot be within the required clearance space. The minimum clearances must be maintained throughout the entire length of the vent to allow for proper air flow and circulation.

PART IDENTIFICATION

Model MW (Mono wall – no outer shell), part numbers have only the letter "M" prefix, followed by the vent diameter, then by the part description code, next by the material type designation, and last by special qualifier code(s). Part description codes are typically three characters and are either alpha or alpha numeric. Qualifier codes are most often used to designate section lengths, tee projection diameters, and the large end I.D. of increasers. The following are a couple examples of part numbers with their associated description and part number breakdown.

M10STRL24

Refers to a Model MW 10" I.D., 24" long straight section constructed with VP 1738 S.S.

M	=	Model MW Product Code
10	=	Section I.D.
STR	=	Part Code (Straight Section)
L	=	Material Code (VP1738 S.S.)
24	=	Qualifier Code (24" Long)

M12BTTQ08

Refers to a Model MW 12" I.D. bodied boot tee section with an 8" I.D. projection constructed with VP1738A S.S. liner.

M	=	Model MW Product Code
12	=	Tee Body I.D.
BTT	=	Part Code (Boot Tee Section)
Q	=	Material Code (VP1738 S.S.)
08	=	Qualifier Code (8" I.D. Projection)

LINER / SHELL MATERIAL CODES

L	=	VP1738 S.S.
Q	=	VP1738A S.S.

DUCT SECTIONS & FITTINGS, SUPPORTS & GUIDES, PENETRATIONS

We offer a wide variety of components to complete virtually any venting system. Standard straight sections are available in 12", 24", and 36" lengths. Variable length sections will accommodate lengths from 5-1/2" to 18". We have a variety of sections available with factory installed pipe nipples to accommodate drainage and effluent sampling. Standard elbows: 15°, 30°, and 45°. Several types of tee sections: 90° centered, boot, and 45°. Supports & guides include: plate supports, full angle rings, breeching hanger bands. Penetrations: wall penetrations, flashings, and counter flashings. Our product line also includes adapters, terminations, transitions, etc.

WEIGHT PER FOOT (Approximate Assembled Weight per Foot)

Section ID	Approx. Assembled Weight per Foot
4"	1.4
5"	1.7
6"	2.0
7"	2.3
8"	2.6
9"	2.9
10"	3.2
12"	3.8
14"	4.3
16"	5.0

Section ID	Approx. Assembled Weight per Foot
18"	5.6
20"	6.1
22"	6.7
24"	7.3
26"	11.5
28"	12.4
30"	13.3
32"	14.1
34"	15.0
36"	15.9

GENERAL LIMITATIONS

Where the vent is outside the building, the maximum height above a top lateral brace or guy is 10 feet. Subsequent lateral braces, guys, or supports must be spaced at not more than 20 feet.

The maximum spacing between horizontal (breeching) supports is 10 feet.

For specific component limitations; e.g., maximum height above plate support assemblies, etc. please contact the factory.

INSTALLATION CONSIDERATIONS

Each part of the vent system must be assembled and installed correctly. Improper or lack of installation of required parts may result in the improper function of the vent system. Installation must be made in accordance with local and national code requirements.

The vent layout should be carefully planned to allow adequate space for assembly, installation of supports, connection of support framing, accommodate standard fitting dimensions, rough openings for penetrations, etc. Do not assume all equipment within a facility can be exhausted with a single system. Before multiple vents are manifolded together verify compatibility of the equipment, vapors being vented, draft requirements, etc. with their respective providers. Consult a design professional as required.

SALES, SERVICE & MANUFACTURING

Van-Packer welcomes the opportunity to assist you with your venting needs. For nearly seventy years Van-Packer has been supplying the commercial and industrial market with venting products. From our double wall stainless steel, to refractory lined, to free standing engineered chimneys, Van-Packer is a one stop shop that offers a product to fit your requirements. Call the technical service department for assistance with job specific price quotations, sketches or submittal drawings, chimney sizing and draft analyses, thermal analyses, and much more. For more information please call or visit our website www.vpstack.com.

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