



Technical Bulletin 162(02)

IPEX System 1738® PVC Venting

PURPOSE: To announce the approval of IPEX System 1738® PVC Venting for internal (indoor) models of Tankless Water Heaters, I-Series Plus Boilers, I-Series Boilers, and M-Series Boilers.

APPLICABLE MODELS

Tankless Water Heaters	Boilers
<p>Internal (Indoor) Models:</p> <ul style="list-style-type: none"> • Residential: RU199i, RU180i, RU160i, RU130i, RX199i, RX180i, RX160i, RX130i • Residential with Pump: RUR199i, RUR160i, RSC199i, RSC160i, RXP199i, RXP160i • Commercial: CU199i, CU160i, CX199i, CX160i, CXP199i, CXP160i 	<p>I-Series Plus:</p> <ul style="list-style-type: none"> • Combi: IP060160C, IP090099C, IP090160C, IP090199C, IP120199C, IP150199C, IP175199C, IP199199C • Heat-Only: IP060S, IP090S, IP120S, IP150S, IP175S, IP199S <p>I-Series:</p> <ul style="list-style-type: none"> • Combi: i060C, i090C, i120c • Heat-Only: i060S, i090S, i120S, i150S <p>M-Series:</p> <ul style="list-style-type: none"> • Combi: M060C, M090C, M120C, M160C • Heat-Only: M060S, M090S, M120S, M160S

DETAILS

The tankless water heater and boiler models listed above are approved for use with IPEX System 1738® PVC (2 in. and 3 in.). System 1738® is a PVC venting system certified to UL 1738. Highlights include:

- UL 1738 certified vent system for Categories II and IV gas burning appliances
- Certified as a complete system of pipe, fittings, cement, and venting accessories
- Rated for flue gas temperatures up to and including 149°F (65°C)
- Uses specially-formulated cement, which includes an optical brightener additive that is visible under a UV light for identification of the proper cement for the application
- Cannot be mixed with vent components from other manufacturers
- Termination options include:
 - Low Profile Side Wall Termination Kits (Twin Pipe, 2 in. and 3 in. PVC)
 - Concentric Vent Termination Kits (2 in. and 3 in. PVC)

For more information, visit system1738.com.

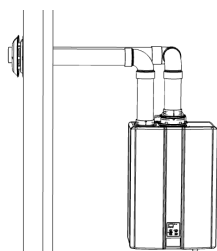
Approved Vent Manufacturer			
Manufacturer	Listed and Tested Vent Product	Phone	Website
IPEX	System 1738® PVC	800-463-9572	<ul style="list-style-type: none"> • www.system1738.com • www.ipexna.com

Contact information and part numbers in this technical bulletin are correct at time of publication and are subject to change without notice. Contact IPEX for questions related to the System 1738® PVC vent system.

Low Profile Side Wall Termination Kits (Twin Pipe, 2 in. and 3 in. PVC)

IPEX Part Number	Product Description	Horizontal Venting	Vertical Venting	Equivalent Length (Ft)
397984	2 in. Low Profile Side Wall Termination Kit	✓		5
397985	3 in. Low Profile Side Wall Termination Kit	✓		5

Example Configuration



Orientations



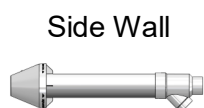
Maximum Vent Length

Vent Size	2 in. (51 mm)	3 in. (76 mm)
Vent Length	65 ft (20 m)	150 ft (46 m)
45° elbow is equivalent to 3 ft (1 m) 90° elbow is equivalent to 6 ft (2 m)		

Concentric Vent Termination Kits (2 in. and 3 in. Exhaust PVC)

IPEX Part Number	Product Description	Horizontal Termination	Vertical Termination	Equivalent Length (Ft)
2 in.				
397005	16 in. Length Concentric Vent Kit	✓	✓	20
397105	28 in. Length Concentric Vent Kit	✓	✓	20
397125	40 in. Length Concentric Vent Kit	✓	✓	20
3 in.				
397006	20 in. Length Concentric Vent Kit	✓	✓	20
397106	32 in. Length Concentric Vent Kit	✓	✓	20
397116	44 in. Length Concentric Vent Kit	✓	✓	20

Example Configurations



Side Wall

Vertical



Maximum Vent Length

Vent Size	2 in.	3 in.
Vent Length	65 ft (20 m)	150 ft (46 m)
45° elbow is equivalent to 3 ft (1 m) 90° elbow is equivalent to 6 ft (2 m)		

The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1.

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