

PolyPro is engineered for use with category II & IV condensing gas/oil appliances and heating equipment, including tankless water heaters, high-efficiency water heaters, condensing boilers and warm air furnaces.

Specifications

Applications

PolyPro is a polypropylene vent pipe for use with ANSI Category II and IV gas burning appliances, including tankless and storage water heaters, high-efficiency water heaters, condensing boilers and warm air furnaces. Poly Pro is listed by Intertek to the ULC S636 standard in Canada and is rated as a Class IIA, IIB and IIC vent system suitable for exhaust temperatures up to 230°F / 110°C, and a maximum positive pressure of 8 in-w.c.

Clearances

0" clearance to combustibles for exhaust temperatures up to 194°F / 90°C, and 0" clearance for vertical installations up to exhaust temperatures of 230°F / 110°C and 1/4" / 6mm clearance to combustibles for horizontal installations at exhaust temperatures up to 230°F / 110°C. PolyPro concentric vent system components, including concentric Horizontal Termination and Vertical Termination, are listed at 0" clearance to combustibles for exhaust temperatures up to 230°F / 110°C.

Materials and Construction

Rigid pipe constructed of 2.2mm (minimum) thick polypropylene.
Flex is double-wall polypropylene.
EPDM or Viton gaskets.

Diameters

2" (60mm), 3" (80mm), 4" (100mm), 5" (125mm)

Listings

Intertek / Warnock-Hersey listed to ULC-S636 Listed as a Class IIA, IIB, and IIC vent system

Warranty

10 years
ISO 9001 Registered by GasTec

DuraVent

Member of M&G Group

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PolyPro terminations are lab tested to handle harsh weather and remain icicle free in freezing temperatures. Air circulation and weather conditions like rain, wind and ice have the potential to reduce the efficiency of a units performance and the operation of it's venting system. M&G DuraVent has designed its terminations for a tight, leak-free system that does not allow icicle formations.

PolyPro is superior in performance and easier to install than PVC and CPVC pipe, which were designed for irrigation, not venting. PolyPro has successfully vented appliances in Europe for over 15 years.

PolyPro complies with LEED® credit IEQc4.1 on VOC limits.



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PolyPro

GreenVent®



A chloride-free, fully engineered venting system designed for use with high efficiency furnaces, condensing boilers and tankless water heaters.



Intertek
ULC S636 Listed Vent System

PolyPro is approved by the Massachusetts Plumbers Board. Approval code G1-0811-42.

FEATURES AND BENEFITS

DuraVent

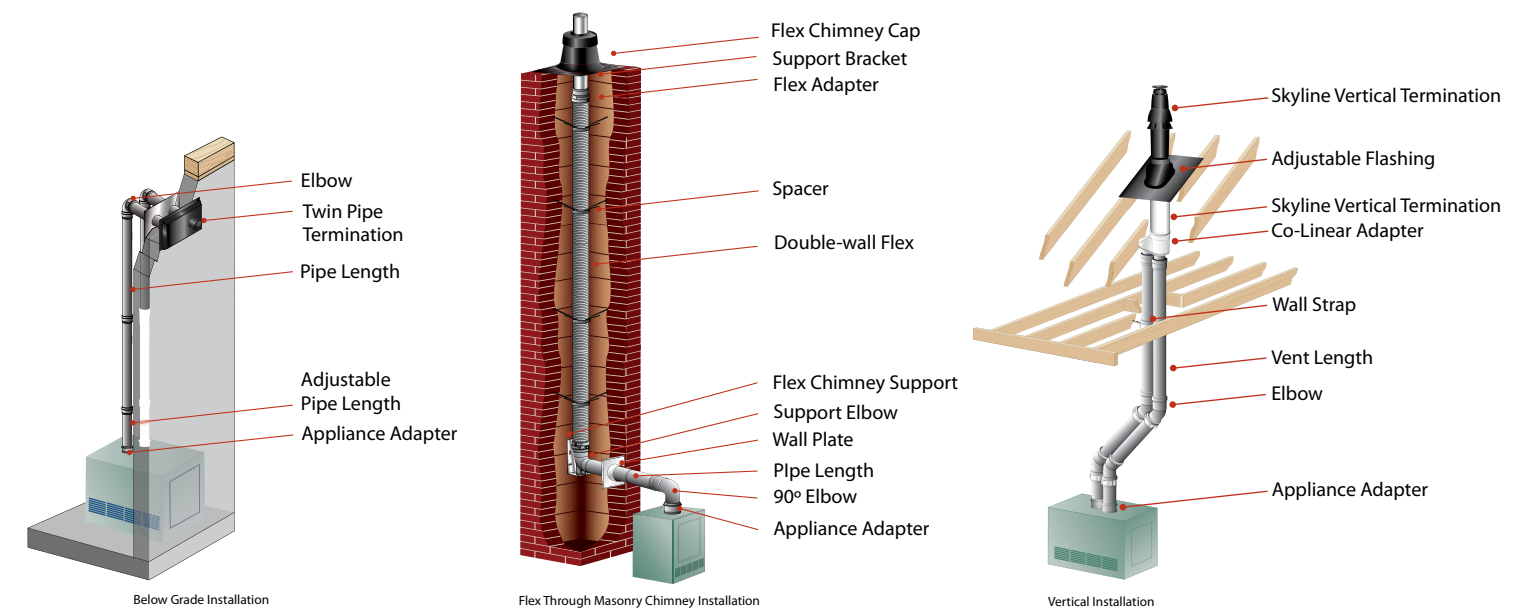
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PolyPro Feature	Benefit
100% recyclable. Environmentally safe.	Made from hydrogen and carbon. Environmentally safe to produce, use and dispose of. No chlorides to leach in to the water system. PolyPro complies with LEED® credit IEQc4.1 on VOC limits.
Designed and approved as a vent system.	The PolyPro system is specifically designed as a vent system for heating appliances... not as a drain system like PVC / CPVC.
Polypropylene has a higher temperature limit than PVC / CPVC of 248°F / 120°C.	PVC has only 149°F/65°C and CPV has only 194°F / 90°C as their maximum temperature limits.
Male / Female connections.	Gasketed joint system. No adhesives required, no set up times and no special training.
Engineered terminations.	Concentric terminations are designed for superior performance in poor environmental conditions. Icicle free in freezing weather, no leakage in rain, or back pressure in windy conditions.
Over 15 years installation experience in Europe.	PolyPro has a proven, successful performance record as a vent system in Europe where PVC is not allowed. All the right parts and pieces have been developed and tested.
Tested and Listed to the ULC S636 standard in Canada. Rated as a Class IIA, IIB, and IIC vent system.	Approved as a vent system for high efficiency appliances in Canada. Suitable for exhaust temperatures up to 230°F / 110°C, and a maximum positive pressure of 8 in-w.c.
UV resistant exterior terminations.	Terminations are made with UV resistant polypropylene so there is no breakdown of plastic due to sun exposure.
Colored Gray.	Differentiated from white drainage pipe to make it easier to recognize.
Durable double-wall flex.	PolyPro double-wall flex is listed to ULC S636 for relining masonry chimneys, factory-built chimneys, vents, or drywall chases, for use with 90+ efficiency appliances.
Competitively priced.	Price level between PVC and CPVC for competitive installation cost.
10 year warranty.	DuraVent backs their product. The liability of the product is not passed on to the appliance manufacturer like it is with PVC.
3% slopes in elbows, condensate drains.	Properly manages by preventing standing corrosive condensates.
Easy to install.	Lightweight, assembles quickly. Can be disassembled for inspection or cut to desired length.

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PolyPro venting systems for condensing gas/oil appliances for USA and Canada



Environment Advantages

PVC pipes are commonly used for venting water heaters, condensing boilers and warm air furnaces, yet PVC was never designed for such use. An environmentally safe and engineered alternative is PolyPro, for condensing gas appliances. Engineered for venting, it is 100% recyclable, and contains no toxic or carcinogenic materials, chlorides, or heavy metals. PolyPro does not release hazardous gases during combustion, and has been used safely throughout Europe for over fifteen years. Polypropylene has a higher operating temperature limit of 248°F/120°C (PVC is 149°F/65°C max and CPVC is 194°F/90°C). PolyPro is engineered with a corrosion-free, condensation management system.

Performance Advantages

Ideal for high efficiency gas furnaces, condensing boilers, and instantaneous hot water heaters. Listed by Intertek to the ULC S636 standard in Canada, and is rated as a Class IIA, IIB, and IIC vent system. PolyPro's thick walls expands and contracts with weather and temperature changes so there is no flexing or cracking in the venting. The terminations remain icicle free in freezing weather and the interior of the 90° elbows are 88° to prevent standing condensation. The PolyPro product line has a higher sustained operating temperatures than PVC / CPVC and is corrosion resistant.

Installation Advantages

Lightweight and easy to install in less time. PolyPro does not require flammable, messy or harmful glues, cements or solvents at connections, meaning no glue curing time during installation. PolyPro screws into studs for a sturdy and secure brace and has time saving wall brackets that clip quickly and easily to PolyPro pipe. The gasketed connections also allow for removal and replacement of components.

PolyPro is available for solutions requiring single-wall, concentric, manifold and other engineered uses. Inquire to find out more. 800-835-4429.

