

PolyPro

Specifications

Applications

PolyPro is a polypropylene vent pipe for use with ANSI Category II and IV gas-burning appliances, including high-efficiency water heaters, condensing boilers and warm air furnaces. PolyPro is listed by Intertek to the ULC S636 standard in Canada 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 15 in-w.c.

Materials and Construction

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

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 ¼" / 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. Double Wall PolyPro provides 0" clearance to combustibles.

Diameters

2" (60mm), 3" (80mm), 4" (100mm), 5" (130mm), 6" (150mm), and 8" (200mm).

Listings

Listed with the appliance in the USA and Canada, check with appliance manufacturer. Intertek / ETL listed to ULC S636 Listed as a Class IIA, IIB, and IIC vent system.

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



PolyPro and PVC/CPVC: PVC pipes are commonly used for venting water heaters, condensing boilers and warm air furnaces, yet PVC was never designed for such use. PolyPro is an engineered alternative for condensing gas appliances. Engineered for venting, it is easier and faster to install than PVC, saving the contractor time and money. Polypropylene has a higher operating temperature limit of 230°F/110°C (PVC is 149°F/65°C max and CPVC is 194°F/90°C). PolyPro is engineered with a condensation management system.

Flex

PolyPro Flex through B Vent as a Chase: Retrofit venting for new, high-efficiency appliances. When replacing a mid-efficiency appliance with a new condensing 90+ appliance, you can use the existing B vent (any brand) as a chase for the new appliance with PolyPro. The perfect solution for utilizing the B Vent already in place, use the convenient pull cone to insert double-wall PolyPro Flex through the B Vent pipe and terminate in either a two pipe or single pipe system. At the other end is the unique B Vent/PolyPro Support Cap, allowing for the connection of flex to rigid PolyPro lengths and elbows to finish the installation.

Terminations

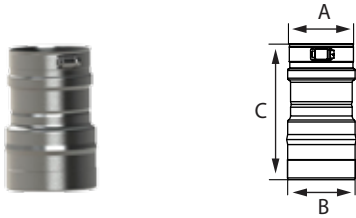
DuraVent's concentric PolyPro vertical terminations are lab tested to handle harsh weather and remain icicle free in freezing temperatures. Air circulation and weather conditions like rain, wind and ice have the potential to reduce the efficiency of a unit's performance and the operation of its venting system.

Double Wall

DW shells are offered separately, handling pipe lengths, elbows, and appliance connections. For installation, single wall PolyPro is inserted into the metal shell, which has a support disk inside. Adjustable DW sections are available if needed. The vent system is supported using typical means, including wall straps, elbow straps and roof or firestop supports. Vertical and Horizontal Terminations are available. Additionally, you can use adapters to transition from an M&G DuraVent / Security Chimney stainless vent systems, to DW PolyPro. This integration of vent systems gives you unmatched installation flexibility.



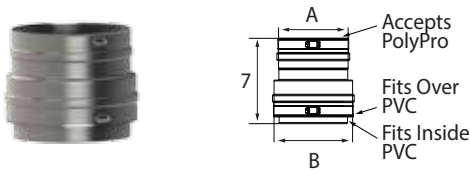
Male PVC Appliance Adapter



Use to connect PolyPro vent system to a standard stainless steel appliance outlet equipped with an integrated hose clamp and gasket. Must be used with Adapter Connector for flue gas, unless a clamp is supplied on the appliance outlet. Same O.D. as PVC.

SIZE	ORDER #	STOCK #	A	B	C
3" to 2" 80mm	3PPS-03PVC-2PPF	810007345	2 2/5" 61mm	3 1/2" 89mm	6" 150mm
3" to 3" 80mm	3PPS-03PVC-3PPF	810004167	3 3/16" 81mm	3 1/2" 89mm	6 13/16" 173mm
4" 100mm	4PPS-04PVC-4PPF	810004207	4" 102mm	4 1/2" 114mm	6 13/16" 173mm
6" 150mm	6PPS-06PVC-6PPF	810004281	5 3/16" 132mm	5 9/16" 141mm	6 13/16" 173mm
8" 200mm	8PPS-08PVC-8PPF	810004310	6" 152mm	6 5/8" 168mm	6 15/16" 176mm

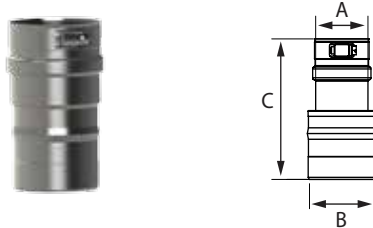
Female PVC Appliance Adapter



Use to directly connect PolyPro to a male PVC Pipe appliance outlet. Seals on the O.D. of the PVC pipe and has a clamp. No adapter connector and/or Locking Band required.

SIZE	ORDER #	STOCK #	A	B
5" 130mm	5PPS-05PVCF-5PPF	810004244	5" 130mm	5 11/16" 144mm
6" 150mm	6PPS-06PVCF-6PPF	810004280	5 15/16" 151mm	6 11/16" 170mm
8" 200mm	8PPS-08PVCF-8PPF	810004309	7 15/16" 132mm	7 7/8" 200mm

FasNSeal Adapter



Use to transition from FasNSeal vent system to PolyPro vent system. Can be used as an appliance adapter or inline. No Locking Band required.

SIZE	ORDER #	STOCK #	A	B	C
3" 80mm	FSA-03M-2PPF	810004170	2 3/8" 60mm	3" 76mm	6 1/8" 156mm
3" 80mm	FSA-03M-3PPF	810004169	3 1/8" 79mm	3" 76mm	5 15/16" 151mm
4" 100mm	FSA-04M-4PPF	810004209	4" 100mm	4" 100mm	5 15/16" 151mm
5" 130mm	FSA-05M-5PPF	810004247	5 3/16" 132mm	5" 130mm	5 15/16" 151mm
6" 150mm	FSA-06M-6PPF	810007030	5 15/16" 151mm	6" 150mm	6" 150mm
7" 178mm	FSA-07M-6PPF	810004463	6 1/8" 156mm	6 3/16" 160mm	7" 178mm
8" 200mm	FSA-08M-8PPF	810007031	8" 200mm	8" 200mm	6" 150mm

PolyProTo-FasNSeal Adapter



Use to transition from PolyPro vent system to FasNSeal vent system or to connect a metric appliance to FasNSeal. Can be used as an appliance adapter or inline. Includes 1 locking band.

SIZE	ORDER #	STOCK #	A	B	C
3" 80mm	3PPS-ADM-03FNSFL	810009701	3" 80mm	3 1/8" 79mm	3 13/16" 97mm
4" 100mm	4PPS-ADM-04FNSFL	810009730	4" 100mm	3 15/16" 99mm	5 15/16" 151mm
5" 130mm	5PPS-ADM-05FNSFL	810009758	5" 130mm	5 1/8" 131mm	5 15/16" 151mm
6" 150mm	6PPS-ADM-06FNSFL	810009777	6" 150mm	5 15/16" 151mm	7" 178mm
8" 200mm	8PPS-ADM-08FNSFL	810009795	8" 200mm	7 7/8" 199mm	7" 178mm