

# 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 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

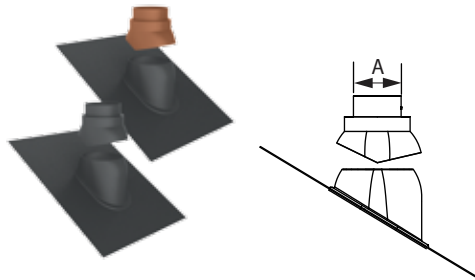
DW shells are offered separately, handling pipe lengths, elbows, and appliance connections. For installation, single wall PolyPro is inserted into the metal shell, which has a support disk inside. Adjustable DW sections are available if needed. The vent system is supported using typical means, including 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.



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



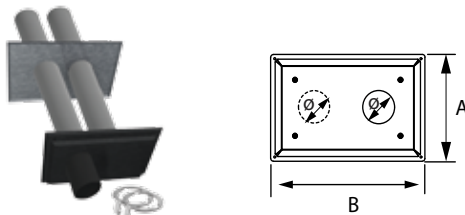
### Steep Roof Flashing



Use to weather proof penetration of vent through the roof. For concentric pipe. Made of polypropylene. Adjusts from 5/12 to 12/12. Black or terra-cotta. UV resistant.

SIZE	BLACK		A
	ORDER #	STOCK #	
2" x 4"   60 - 100mm	2PPS-F12	810004118	4"   100mm
3" x 5"   80 - 130mm	3PPS-F12	810004158	5"   130mm
4" x 6"   100 - 150mm	4PPS-F12	810004201	6"   150mm
SIZE	TERRA-COTTA		A
	ORDER #	STOCK #	
2" x 4"   60 - 100mm	2PPS-F12-TC	810004119	4"   100mm
3" x 5"   80 - 130mm	3PPS-F12-TC	810004159	5"   130mm
4" x 6"   100 - 150mm	4PPS-F12-TC	810004202	6"   150mm

### Twin Pipe Termination



Use to terminate horizontally with two single-wall PolyPro pipes for intake and exhaust. Simple design ensures adequate separation of intake air from exhaust. Termination is painted black. Includes black UV resistant polypropylene exhaust nozzle equipped with Bird Screen, interior wall plate, and two 12" pipe lengths. Includes 2 Locking Bands.

SIZE	ORDER #	STOCK #	A	B
2"   60mm	2PPS-HTPL	810009685	8 1/2"   216mm	11 7/8"   302mm
3"   80mm	3PPS-HTPL	810009713	8 1/2"   216mm	11 7/8"   302mm
4"   100mm	4PPS-HTPL	810009745	8 1/2"   216mm	12 1/4"   311mm

### Single Horizontal Termination



Use to terminate horizontally with one single-wall PolyPro pipe. Termination and wall plate can be rotated to suit application. Elbow is UV resistant black with bird screen. Also includes interior wall plate, and 14" length of pipe. Includes 1 Locking Band.

SIZE	ORDER #	STOCK #
2"   60mm	2PPS-HSTL	810009684
3"   80mm	3PPS-HSTL	810009712

### Lochinvar Horizontal Termination Kit



Use to adapt PolyPro to the IpeX 636 low profile termination. Kit includes 14" pipe welded to an adapter and metal backing plate. Check with appliance manufacturer for approval. (Outer IPEX termination cap not included. Supplied by others.) Includes 1 Locking Band.

SIZE	ORDER #	STOCK #	A	B
2"   60mm	2PPS-HLKL	810009683	14 3/16"   360mm	8 5/8"   220mm
3"   80mm	3PPS-HLKL	810009711	14 3/16"   360mm	8 5/8"   220mm
4"   100mm	4PPS-HLKL	810009743	14 3/16"   360mm	8 5/8"   220mm