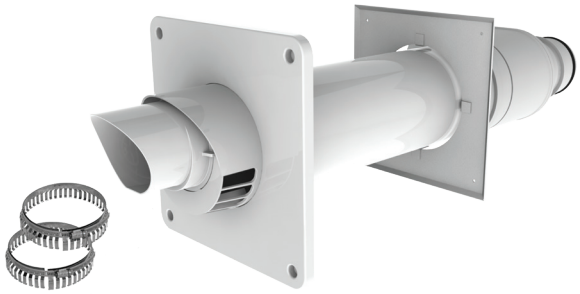
DuraVent®

SUBMITTAL RECORD

ULC S636 - PolyPro®

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.

Single-Wall
Double-Wall
Concentric
Flex



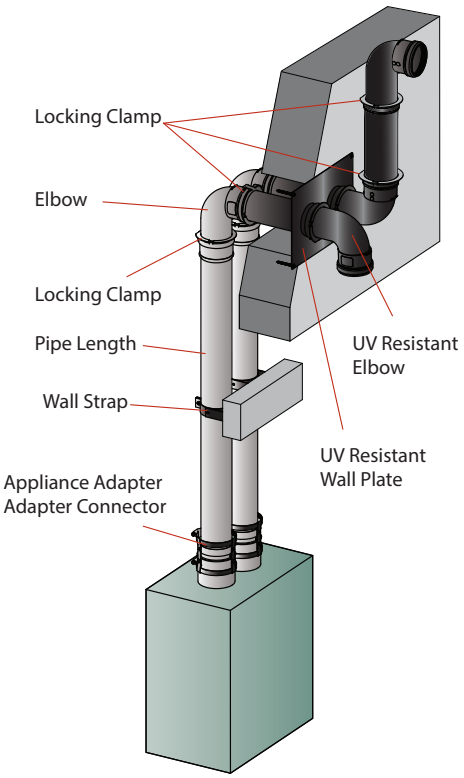
SUBMITTAL RECORD	
PREPARED FOR:	
REFERENCE:	
LOCATION:	
CONTACT:	
TELEPHONE:	FAX:
EMAIL:	
PREPARED BY:	

c UL us LISTED

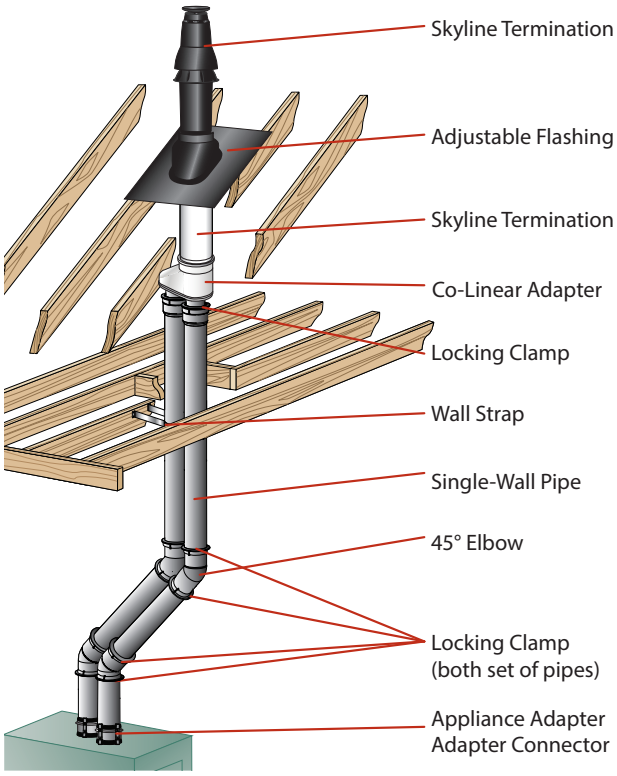
Listed to standards:
ULC S636

Reference to the Installation Instructions will enable you to obtain a safe, efficient and dependable installation of this vent system. Do not alter or modify the components of this vent system under any circumstances. Any modification or alteration of the vent system or approved accessories, including but not limited to the appliance it is connected to, may void the warranty, listings and approvals of this system and could result in an unsafe and potentially dangerous installation.

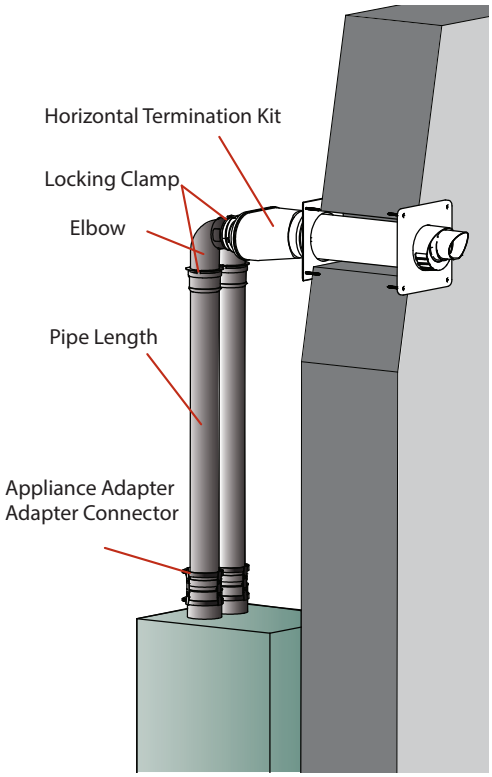
SECTION A - TYPICAL INSTALLATIONS



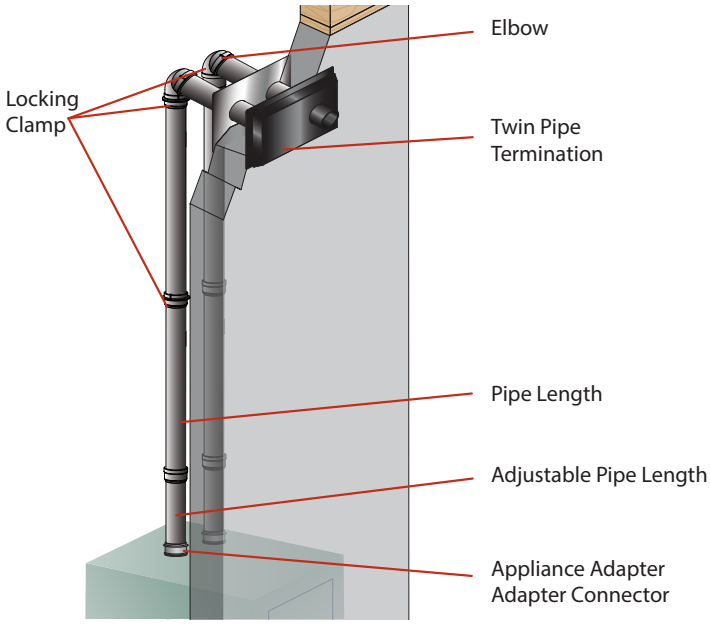
Horizontal Twin Pipe Elbow Termination



Twin Pipe with Concentric Termination



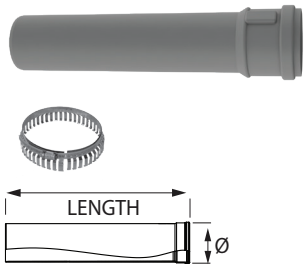
Horizontal Twin Pipe Concentric



Horizontal Twin Pipe Below Grade

SECTION B - SINGLE WALL COMPONENTS

Single-Wall Pipe

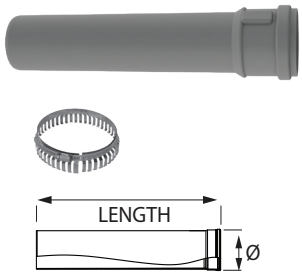


Use to vent condensing appliances. 2" (60mm) of overlap at the joint. Listed to ULC S636. Locking Clamps are required at all joint connections. Includes 1 Locking Clamp per each length .

SIZE	12" | 305mm		36" | 914mm		72" | 1829mm	
	ORDER #	STOCK #	ORDER #	STOCK #	ORDER #	STOCK #
2" | 60mm	2PPS-12C	810014475	2PPS-36C	810014477	2PPS-72C	810014479
3" | 80mm	3PPS-12C	810014528	3PPS-36C	810014532	3PPS-72C	810014534
4" | 100mm	4PPS-12C	810014587	4PPS-36C	810014589	4PPS-72C	810014591
5" | 130mm	5PPS-12C	810014652	5PPS-36C	810014653	5PPS-72C	810014654
6" | 150mm	6PPS-12C	810014681	6PPS-36C	810014683	6PPS-72C	810014685

SIZE	40" | 1016mm		75" | 1905mm	
	ORDER #	STOCK #	ORDER #	STOCK #
8" | 200mm	8PPS-40C	810014802	8PPS-75C	810014803

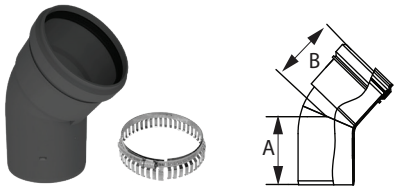
9' Single-Wall Pipe



Use to vent condensing appliances. 2" (60mm) of overlap at the joint. Listed to ULC S636. Locking Clamps are required at all joint connections. Includes 1 Locking Clamp Clamp per each length. Sold in full box quantities only.

SIZE	9" | 229mm	
	ORDER #	STOCK #
2" | 60mm	2PPS-108	810014028
3" | 80mm	3PPS-108	810013496
4" | 100mm	4PPS-108	810013578
6" | 150mm	6PPS-108	810013579

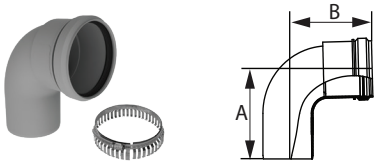
45° Elbow



Offsets around obstructions as needed. Includes 1 Locking Clamp.

SIZE	ORDER #	STOCK #	A	B
2" | 60mm	2PPS-E45C	810014481	2 7/8" | 72.5mm	2 11/16" | 69mm
3" | 80mm	3PPS-E45C	810014537	2 7/8" | 73mm	2 7/8" | 73mm
4" | 100mm	4PPS-E45C	810014594	2 13/16" | 78mm	2 13/16" | 78mm
5" | 130mm	5PPS-E45C	810014656	3 3/4" | 95mm	3 13/16" | 98mm
6" | 150mm	6PPS-E45C	810014689	3 13/16" | 98mm	3 15/16" | 101mm
8" | 200mm	8PPS-E45C	810014807	4 7/16" | 111mm	5 7/16" | 131mm

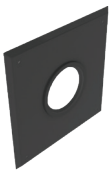
90° Elbow

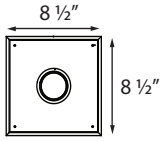


Offsets around obstructions as needed. Includes 1 Locking Clamp.

SIZE	ORDER #	STOCK #	A	B
2" | 60mm	2PPS-E90C	810014483	4" | 100mm	4" | 100mm
3" | 80mm	3PPS-E90C	810014529	4 5/16" | 110mm	4 5/16" | 110mm
4" | 100mm	4PPS-E90C	810014596	4 1/2" | 115mm	4 1/2" | 115mm
5" | 130mm	5PPS-E90C	810014657	6 3/4" | 169mm	5 15/16" | 152mm
6" | 150mm	6PPS-E90C	810014690	7 1/4" | 183mm	6 1/2" | 166mm
8" | 200mm	8PPS-E90C	810014808	8 15/16" | 227mm	7 3/4" | 195mm

Black Wall Plate

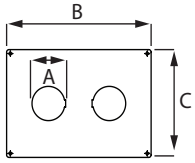




Use to trim wall penetration. Painted black metal with gasket.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" | 60mm	2PPS-WPB	810004112	4" | 100mm	4PPS-WPB	810004195
3" | 80mm	3PPS-WPB	810004152			

Black Wall Plate for Twin Pipes



Use to trim wall penetration when using two pipes. Painted black metal with gaskets.

SIZE	ORDER #	STOCK #	A	B	C
2" | 60mm	2PPS-WPT	810004113	2" | 60mm	11 7/8" | 302mm	8 ½" | 216mm
3" | 80mm	3PPS-WPT	810004153	3" | 80mm	11 7/8" | 302mm	8 ½" | 216mm
4" | 100mm	4PPS-WPT	810004196	4" | 100mm	12 7/8" | 327mm	8 ½" | 216mm

Appliance Adapter for PVC Pipe

Use to connect PolyPro vent system to an appliance outlet. Double female adapter - one end accepts PVC male pipe and the other accepts PolyPro male pipe. Locking Clamp is required on the female PP end.

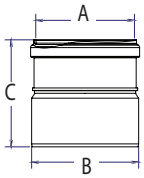
SIZE	ORDER #	STOCK #
3" | 80mm	3PPS-AD-M	810007169
4" | 100mm	4PPS-AD-M	810007170

Appliance Adapter for PVC Coupler

Use to adapt rigid PolyPro pipe length to the inside of the PVC/ CPVC coupler or other plastic/metal appliance outlet. Must be used with Adapter Connector for flue gas. Includes 1 Adapter Connector clamp.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" | 60mm	2PPS-ADL	810009672	4" | 100mm	4PPS-ADL	810009728
3" | 80mm	3PPS-ADL	810009699			

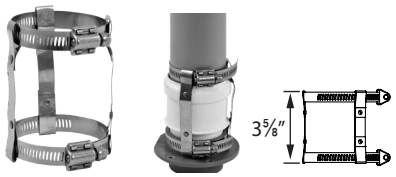
VSM Adapter



Use to adapt from 110mm (4") (Non-DuraVent) PolyPro to DuraVent's 100mm (4") PolyPro. Adapter Connecter sold seperately.

SIZE	ORDER #	STOCK #	A	B	C
4" | 100 mm	PPS-VSM-AD	810006942	4" | 102mm	4 3/8" | 110mm	4 3/8" | 110mm

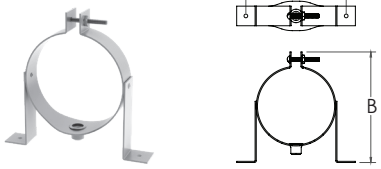
Adapter Connector



Use to secure PolyPro pipe to PVC/CPVC coupler or appliance outlet. Universal size for 2-4 inch and 5-8 inch systems. DuraVent requires its use with flue gas applications and recommends it with air intake applications.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" - 4" | 60mm -100mm	PPS-PAC	810004128	5" - 8" | 130mm -200mm	PPS-PACL	810004243

Wall Strap - Metal



Use to support single-wall and concentric offsets and pipe used in vertical rise or horizontal runs as per installation instructions. Wall Strap legs can be rotated up to 360° for versatility. Accepts standard 3/8" all-thread. Available in galvanized or stainless steel metals. Note: Vent pipe must be supported at least every 10 feet (3m) vertically. Horizontal or sloped sections of vent pipe require a wall strap on each pipe section.

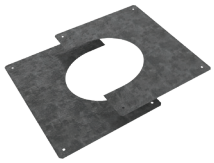
SIZE	GALVANIZED		A	B	SIZE	STAINLESS STEEL		A	B
	ORDER #	STOCK #				ORDER #	STOCK #		
2" | 60mm	2PPS-WSM1	810014342	3 5/8" | 92mm	4 7/8"" | 124mm	2" | 60mm	2PPS-WSM-SS1	810014348	3 5/8" | 92mm	4 7/8" | 124mm
3" | 80mm	3PPS-WSM1	810014343	4 3/8" | 112mm	5 1/4" | 133mm	3" | 80mm	3PPS-WSM-SS1	810014349	4 3/8" | 112mm	5 1/4" | 13mm
4" | 100mm	4PPS-WSM1	810014344	5 1/8" | 130mm	5 5/8" | 143mm	4" | 100mm	4PPS-WSM-SS1	810014350	5 1/8" | 130mm	5 5/8" | 143mm
5" | 130mm	5PPS-WSM1	810014345	6 3/8" | 162mm	6 3/4" | 171mm	5" | 130mm	5PPS-WSM-SS1	810014351	6 3/8" | 162mm	6 3/4" | 171mm
6" | 150mm	6PPS-WSM1	810014346	7 1/8" | 181mm	7 5/8" | 194mm	6" | 150mm	6PPS-WSM-SS1	810014352	7 1/8" | 181mm	7 5/8" | 194mm
8" | 200mm	8PPS-WSM1	810014347	9 1/8" | 232mm	9 5/8" | 245mm	8" | 200mm	8PPS-WSM-SS1	810014353	9 1/8" | 232mm	9 5/8" | 245mm

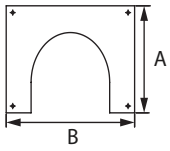
Locking Clamp

Use to secure two sections of uncut pipe together. Required to comply with ULC S636 listed installations.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" | 60mm	2PPS-LC	810014835	5" | 130mm	5PPS-LC	810014838
3" | 80mm	3PPS-LC	810014836	6" | 150mm	6PPS-LC	810014839
4" | 100mm	4PPS-LC	810014837	8" | 200mm	8PPS-LC	810014840

Firestop Spacer

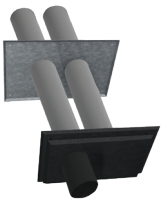


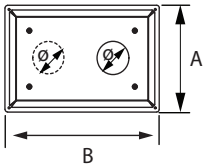


Use when penetrating floor levels. Two piece design for easier installation.

SIZE	SINGLE-WALL PIPE		A	B
	ORDER #	STOCK #		
2″ | 60mm	2PPS-FSS	810004115	4″ | 100mm	7″ | 178mm
3″ | 80mm	3PPS-FSS	810004155	4″ | 100mm	7″ | 178mm
4″ | 100mm	4PPS-FSS	810004198	4″ | 100mm	7″ | 178mm
5″ | 130mm	5PPS-FSS	810004234	8 1⁄8″ | 206mm	10″ | 254mm
6″ | 150mm	6PPS-FSS	810004269	7 3⁄4″ | 197mm	9 3⁄4″ | 248mm
8″ | 200mm	8PPS-FSS	810004298	10 1⁄2″ | 267mm	12 3⁄4″ | 324mm

Twin Pipe Termination

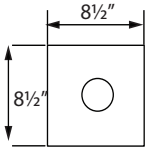




Use to terminate horizontally with two single-wall PolyPro pipes for intake and exhaust. Simple design ensures adequate separation of intake air from exhaust. Termination is painted black. Includes black UV resistant polypropylene exhaust nozzle equipped with Bird Screen, interior wall plate, and two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

SIZE	ORDER #	STOCK #	A	B
2″ | 60mm	2PPS-HTPC	810014491	8 1⁄2"| 216mm	11 7⁄8" |302mm
3″ | 80mm	3PPS-HTPC	810014547	8 1⁄2"| 216mm	11 7⁄8" | 302mm
4″ | 100mm	4PPS-HTPC	810014605	8 1⁄2" | 216mm	12 1⁄4" | 311mm

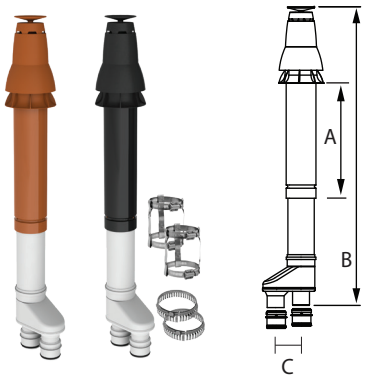
Single Horizontal Termination



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.

SIZE	ORDER #	STOCK #
2″ | 60mm	2PPS-HSTC	810014490
3″ | 80mm	3PPS-HSTC	810014546

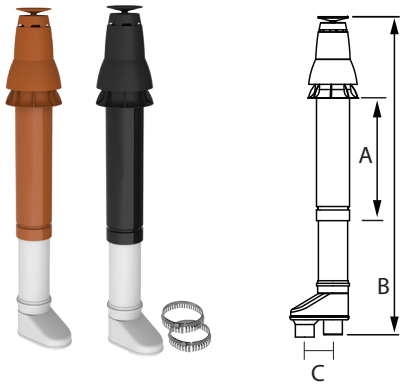
Vertical Termination Cap Kit - Concentric



Use for concentric vertical terminations. Includes 2 appliance adapters and co-linear adapter. Black or terra-cotta cap. UV resistant. No storm collar required when installed with factory PolyPro flashing. Includes 2 Locking Clamps and 2 Adapter Connector clamps.

SIZE	BLACK		A	B	C
	ORDER #	STOCK #			
2″ x 4″ | 60mm x 100mm	2PPS-VKC	810014497	18″ | 460mm	50 ¼″ | 1280mm	4 ¾" | 121mm
3″ x 5″ | 80mm x 125mm	3PPS-VKC	810014553	23″ | 580mm	53 ¼″ | 1354mm	4 ¾" | 121mm
4″ x 6″ | 100mm x 150mm	4PPS-VKC	810014611	23″ | 580mm	68 ¼″ | 1735mm	5 ½" | 140mm
SIZE	TERRA-COTTA		A	B	C
	ORDER #	STOCK #			
2″ x 4″ | 60mm x 100mm	2PPS-VK-TCC	810014498	18″ | 460mm	50 ¼″ | 1280mm	4 ¾" | 121mm
3″ x 5″ | 80mm x 125mm	3PPS-VK-TCC	810014554	23″ | 580mm	53 ¼″ | 1354mm	4 ¾" | 121mm
4″ x 6″ | 100mm x 150mm	4PPS-VK-TCC	810014612	23″ | 580mm	68 ¼″ | 1735mm	5 ½" | 140mm

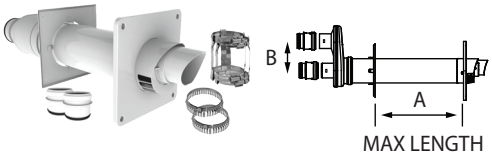
Vertical Termination Kit Without Adapters



Use for concentric vertical terminations. Includes co-linear adapter and 2 Locking Clamps. Black or terra-cotta cap. UV resistant. No storm collar required when installed with factory PolyPro flashing.

SIZE	BLACK		A	B	C
	ORDER #	STOCK #			
2″ x 4″ | 60mm x 100mm	2PPS-VKC-N	810014525	18″ | 460mm	50 ¼″ | 1280mm	4 ¾" | 121mm
3″ x 5″ | 80mm x 125mm	3PPS-VKC-N	810014584	23″ | 580mm	53 ¼″ | 1354mm	4 ¾" | 121mm
4″ x 6″ | 100mm x 150mm	4PPS-VKC-N	810014649	23″ | 580mm	68 ¼″ | 1735mm	5 ½" | 140mm
SIZE	TERRA-COTTA		A	B	C
	ORDER #	STOCK #			
2″ x 4″ | 60mm x 100mm	2PPS-VK-TCC-N	810014526	18″ | 460mm	50 ¼″ | 1280mm	4 ¾" | 121mm
3″ x 5″ | 80mm x 125mm	3PPS-VK-TCC-N	810014585	23″ | 580mm	53 ¼″ | 1354mm	4 ¾" | 121mm
4″ x 6″ | 100mm x 150mm	4PPS-VK-TCC-N	810014650	23″ | 580mm	68 ¼″ | 1735mm	5 ½" | 140mm

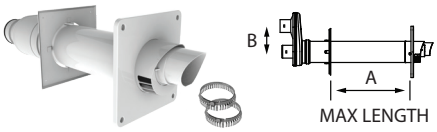
Horizontal Termination Kit - Concentric



Use for concentric horizontal terminations. Includes 2 appliance adapters, white wall plate, white firestop, and co-linear adapter. White Termination with Bird Guard Screen. UV resistant. Inner plate is 8 5/8″ (220mm) square, outer plate is 9 7/16″ (240mm) square for all flue sizes. Includes 2 Locking Clamps and two Adapter Connector clamps. Adapters included to transition from PVC appliance outlet to twin pipe PolyPro.

SIZE	ORDER #	STOCK #	A	B
2″ x 4″ | 60mm x 100mm	2PPS-HKC	810014488	13 ¾″ | 350mm	4 ¾" | 121mm
3″ x 5″ | 80mm x 125mm	3PPS-HKC	810014544	13″ | 330mm	4 ¾" | 121mm
4″ x 6″ | 100mm x 150mm	4PPS-HKC	810014603	13 ¾″ | 350mm	5 ½" | 140mm

Horizonal Termination Kit Without Adapters



Use for concentric horizontal terminations. Includes white wall plate, 2 Locking Clamps, white firestop, and co-linear adapter. White Termination with Bird Guard Screen. UV resistant. Inner plate is 8 5/8" (220mm) square, outer plate is 9 7/16" (240mm) square for all flue sizes.

SIZE	BLACK		A	B
	ORDER #	STOCK #		
2" x 4" | 60mm x 100mm	2PPS-HKC-N	810014527	13 ¾" | 350mm	4 ¾" | 121mm
3" x 5" | 80mm x 130mm	3PPS-HKC-N	810014586	13" | 330mm	4 ¾" | 121mm
4" x 6" | 100mm x 150mm	4PPS-HKC-N	810014651	13 ¾" | 350mm	5 ½" | 140mm

Bird Guard Screen

Use to protect venting system from birds and rodents. Spring-loaded design inserts within female end of pipe in place of gasket. Stainless steel.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" | 60mm	2PPS-BG	810004341	4" | 100mm	4PPS-BG	810004367
3" | 80mm	3PPS-BG	810004355	6" | 150mm	6PPS-BG	810004276

EPDM Replacement Gasket

Use as a replacement gasket for rigid PolyPro products. Available in packs of 12 for sizes 2" - 4". Available in packs of 6 for sizes 5" - 8".

SIZE	ORDER #	STOCK #	SIZE	ORDER # #	STOCK #
2" | 60mm	2PPS-GA	810004124	5" | 130mm	5PPS-GA	810004237
3" | 80mm	3PPS-GA	810004164	6" | 150mm	6PPS-GA	810004272
4" | 100mm	4PPS-GA	810004204	8" | 200mm	8PPS-GA	810004303

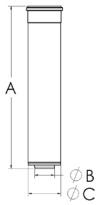
Viton Replacement Gasket

Alternative gasket material for oil fuel appliance applications. Available in packs of 12 for sizes 2" - 4". Available in packs of 6 for sizes 5" - 8".

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
2" | 60mm	2PPS-GAV	810004126	5" | 130mm	5PPS-GAV	810004238
3" | 80mm	3PPS-GAV	810004165	6" | 150mm	6PPS-GAV	810004273
4" | 100mm	4PPS-GAV	810004205	8" | 200mm	8PPS-GAV	810004304

SECTION C - CONCENTRIC COMPONENTS

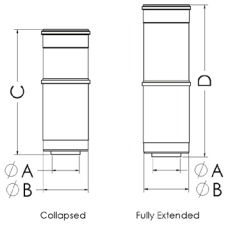
Concentric Vent Length



Use to vent condensing appliances.

SIZE	ORDER #	STOCK #	A	B	C
2″ x 4″ | 60mm x 100mm	2PPC-P500	810005200	19 ¼" | 490mm	2 ¼" | 60mm	3 ⅞" | 100mm
2″ x 4″ | 60mm x 100mm	2PPC-P1000	810005199	39" | 990mm	2 ¼" | 60mm	3 ⅞" | 100mm
3″ x 5″ | 80mm x 130mm	3PPC-P500	810005869	19 ¼" | 490mm	3" | 80mm	4 ⅞" | 125mm
3″ x 5″ | 80mm x 130mm	3PPC-P1000	810005868	39" | 990mm	3" | 80mm	4 ⅞" | 125mm
4″ x 6″ | 100mm x 150mm	4PPC-P500	810005981	19 ¼" | 490mm	3 ¾" | 100mm	5 ⅞" | 150mm
4″ x 6″ | 100mm x 150mm	4PPC-P1000	810005980	39" | 990mm	3 ¾" | 100mm	5 ⅞" | 150mm

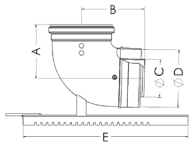
Telescoping Vent Length



Use to add length to a concentric vent system.

SIZE	ORDER #	STOCK #	A	B	C	D
2″ x 4″ | 60mm x 100mm	2PPC-TA	810005201	2 ¼" | 60mm	3 ⅞" | 100mm	10 ⅜" | 265mm	15 ⅞" | 405mm
3″ x 5″ | 80mm x 130mm	3PPC-TA	810005870	3" | 80mm	4 ⅞" | 125mm	11" | 280mm	15 ½" | 395mm
4″ x 6″ | 100mm x 150mm	4PPC-TA	810005982	3 ¾" | 100mm	5 ⅞" | 150mm	11" | 280mm	15 ½" | 395mm

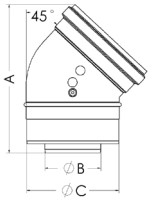
Concentric Support Elbow



Use the support elbow to stabilize a vertical termination.

SIZE	ORDER #	STOCK #	A	B	C	D	E
2″ x 4″ | 60mm x 100mm	2PPC-SE90	810013584	4" | 100mm	4 ⅞" | 125mm	2 ⅜" | 60mm	3 ⅞" | 100mm	13 ¾" | 350mm
3″ x 5″ | 80mm x 130mm	3PPC-SE90	810013585	4 ½" | 115mm	5 ¼" | 135mm	3 ⅛" | 80mm	4 ¾" | 120mm	13 ¾" | 350mm
4″ x 6″ | 100mm x 150mm	4PPC-SE90	810013586	4 ½" | 115mm	5 ⅜" | 140mm	3 ⅞" | 100mm	5 ⅞" | 150mm	13 ¾" | 350mm

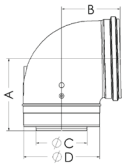
Concentric 45° Elbow



Use to vent condensing appliances. Offsets around obstructions as needed.

SIZE	ORDER #	STOCK #	A	B	C
2″ x 4″ | 60mm x 100mm	2PPC-E45	810005195	6 ¼" | 160 mm	2 ¼" | 55 mm	3 ⅞" | 100 mm
3″ x 5″ | 80mm x 130mm	3PPC-E45	810005864	6 ¾" | 175 mm	3 ¼" | 80 mm	4 ⅞" | 125 mm
4″ x 6″ | 100mm x 150mm	4PPC-E45	810005976	11 ¼" | 285 mm	4 ¼" | 105 mm	5 ⅞" | 150 mm

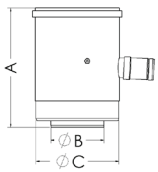
Concentric 90° Elbow



Use to vent condensing appliances. Offsets around obstructions as needed.

SIZE	ORDER #	STOCK #	A	B	C	D
2″ x 4″ | 60mm x 100mm	2PPC-E90	810005196	4 ⅞" | 125mm	3 ⅞" | 100mm	2 ¼" | 60mm	3 ¾ "| 95mm
3″ x 5″ | 80mm x 130mm	3PPC-E90	810005865	5 ¼" | 135mm	4 ⅜" | 110mm	3" | 80mm	4 ⅞" | 125mm
4″ x 6″ | 100mm x 150mm	4PPC-E90	810005977	5 ½" | 140mm	4 ½" | 115mm	3 ¾" | 100mm	5 ⅞" | 150mm

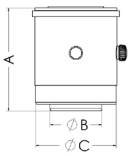
Condensate Trap



Use to remove corrosive condensates from within the vent system.

SIZE	ORDER #	STOCK #	A	B	C
2″ x 4″ | 60mm x 100mm	2PPC-CT	810013421	7" | 180mm	2 ¼" | 60mm	3 ⅞" | 100mm
3″ x 5″ | 80mm x 130mm	3PPC-CT	810013422	7" | 180mm	3" | 80mm	4 ⅞" | 120mm
4″ x 6″ | 100mm x 150mm	4PPC-CT	810013423	7" | 180mm	3 ¾" | 100mm	5 ¾" | 150mm

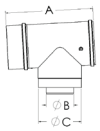
Extension with SP



Use for combustion analysis testing without drilling holes into the vent system. Port cap is threaded for easy removal. Install immediately above the appliance.

SIZE	ORDER #	STOCK #	A	B	C
2" x 4" | 60mm x 100mm	2PPC-ESP	810013418	6" | 150mm	2 ¼" | 60mm	3 ⅞" | 100mm
3" x 5" | 80mm x 130mm	3PPC-ESP	810013419	6" | 150mm	3" | 80mm	4 ⅞" 120mm
4" x 6" | 100mm x 150mm	4PPC-ESP	810013420	6" | 150mm	3 ¾" | 100mm	5 ⅞" | 150mm

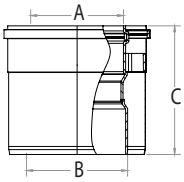
Tee With Cover



Use for a 90° offset or to combine connections.

SIZE	ORDER #	STOCK #	A	B	C
2" x 4" | 60mm x 100mm	2PPC-TCD	810013415	9" | 230mm	2 ¼" | 60mm	3 ⅞" | 100mm
3" x 5" | 80mm x 130mm	3PPC-TCD	810013416	10 ¾" | 275mm	3 ⅛" 80mm	4 ⅞" | 125mm
4" x 6" | 100mm x 150mm	4PPC-TCD	810013417	11 ¾" | 300mm	3 ⅞ | 100mm	5 ⅞" | 150mm

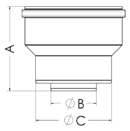
VSM Adapter



Use to adapt from 110mm x 150mm (4" x 6") (Non-DuraVent) PolyPro to DuraVent's 100mm x 150mm (4" x 6") concentricPolyPro.

SIZE	ORDER #	STOCK #	A	B	C
4" x 6" | 100mm x 150mm	PPC-VSM-AD	810006939	4" | 102mm	4 ⅜" | 110mm	5 ½" | 140mm

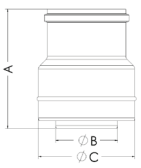
Adapter Increaser



Use to transition the vent system to a larger diameter. Install in vertical orientation only.

SIZE	ORDER #	STOCK #	A	B	C
2" x 4" | 60mm x 100mm	2PPC-X3INC	810005203	4 ⅜" | 110mm	2 ¼" | 60mm	3 ⅞" | 100mm
3" x 5" | 80mm x 130mm	2PPC-X4INC	810005204	4 ⅞" | 125mm	2 ¼" | 60mm	3 ⅞" | 100mm
4" x 6" | 100mm x 150mm	3PPC-X4INC	810005873	4 ⅜" | 110mm	3" | 80mm	4 ⅞" | 125mm

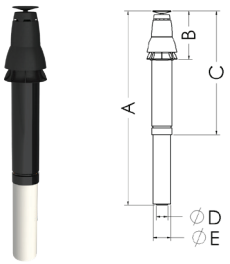
Concentric Reducer



Use to transition the concentric vent system to a smaller diameter.

SIZE	ORDER #	STOCK #	A	B	C
3" x 5" | 80mm x 130mm	3PPC-X2RED	810014341	6 ⅛" | 156mm	3 ⅛" | 80mm	5 ⅞" | 150mm

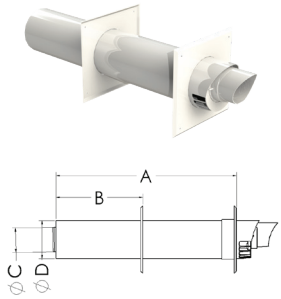
4x6 Vertical Termination



Use for concentric vertical terminations.

SIZE	ORDER #	STOCK #	A	B	C	D	E
2″ x 4″ | 60mm x 100mm	2PPC-VCT	810005202	50 3/8" | 1280 mm	16 1/2" | 420 mm	27" | 685 mm	1 3/4" | 60 mm	3 7/8" | 100 mm
3″ x 5″ | 80mm x 130mm	3PPC-VCT	810005871	53 3/8" | 1355 mm	16 1/2" | 420mm	34" | 860mm	2 3/4" | 80 mm	4 7/8" | 125 mm
4″ x 6″ | 100mm x 150mm	4PPC-VCT	810005983	68 1/2" | 1740 mm	16 1/2" | 420 mm	36 5/8" | 930 mm	3 3/4" | 100 mm	5 7/8" | 150 mm

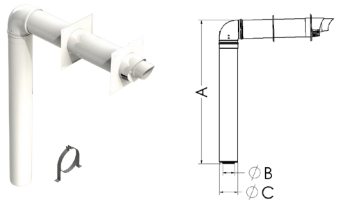
Concentric Horizontal Termination



Use for concentric horizontal terminations.

SIZE	ORDER #	STOCK #	A	B	C	D
2″ x 4″ | 60mm x 100mm	2PPC-HCT	810005197	23 3/4" | 604mm	13 5/8" | 347mm	3 7/8" | 100mm	2 1/4" | 60mm
3″ x 5″ | 80mm x 130mm	3PPC-HCT	810005866	23 1/4" | 591mm	11 1/4" | 284mm	4 7/8" | 125mm	3 1/8" | 80mm
4″ x 6″ | 100mm x 150mm	4PPC-HCT	810005978	23 1/4" | 591mm	11 1/4" | 284mm	5 7/8" | 150mm	3 3/4" | 100mm

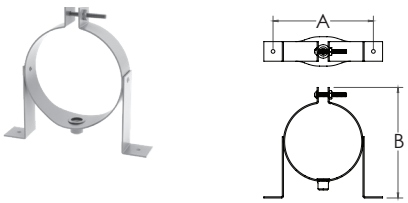
Concentric Horizontal Termination Kit



Use for concentric horizontal terminations. Includes 1 meter concentric vent length, 1 concentric 90° elbow, 1 concentric horizontal termination.

SIZE	ORDER #	STOCK #	A	B	C	WALL STRAPS
2″ x 4″ | 60mm x 100mm	2PPC-HVKA	810005198	44" | 1120mm	2" | 55mm	3 7/8" | 100mm	1
3″ x 5″ | 80mm x 130mm	3PPC-HVKA	810005867	45" | 1140mm	2 3/4" | 75mm	4 7/8" | 125mm	2
4″ x 6″ | 100mm x 150mm	4PPC-HVKA	810005979	46" | 1170mm	3 5/8" | 95mm	5 7/8" | 150mm	2

Wall Strap - Metal



Use to support single-wall and concentric offsets and pipe used in vertical rise or horizontal runs as per installation instructions. Wall Strap legs can be rotated up to 360° for versatility. Accepts standard 3/8″ all-thread. Available in galvanized or stainless steel metals. Note: Vent pipe must be supported at least every 10 feet (3m) vertically. Horizontal or sloped sections of vent pipe require a wall strap on each pipe section.

SIZE	ORDER #	STOCK #	A	B
2″ x 4″ | 60mm x 100mm	2PPC-WSM1	810014412	5 1/8" | 130mm	5 5/8" | 143mm
3″ x 5″ | 80mm x 130mm	3PPC-WSM1	810014413	6 1/8" | 150mm	6 5/8" | 170mm
4″ x 6″ | 100mm x 150mm	4PPC-WSM1	810014414	7 1/8" | 180mm	7 5/8" | 190mm

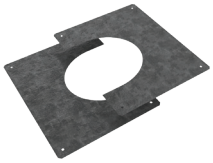
EPDM Replacement Gasket

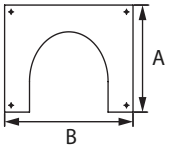
Use as a replacement gasket for rigid PolyPro products. Available in packs of 12 for sizes 2" - 4".

SIZE	ORDER #	STOCK #
2″ x 4″ | 60mm x 100mm	2PPS-GA	810004124
3″ x 5″ | 80mm x 130mm	3PPS-GA	810004164
4″ x 6″ | 100mm x 150mm	4PPS-GA	810004204

Firestop Spacer

Use when penetrating floor levels. Two piece design for easier installation.

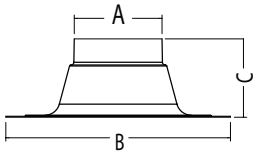




SIZE	ORDER #	STOCK #	A	B
2″ x 4″ | 60mm x 100mm	2PPS-FS	810004114	7" | 178mm	8 ¾" | 223mm
3″ x 5″ | 80 mmx 130mm	3PPS-FS	810004154	7 ⅞" | 200mm	9 ⅞" | 251mm
4″ x 6″ | 100mm x 150mm	4PPS-FS	810004197	7 ⅞" | 200mm	9 ⅞" | 251mm

Flat Roof Flashing

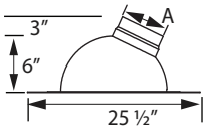
Use to weather-proof the penetration of vent pipe through the roof. For use with concentric terminations only.



SIZE	ORDER #	STOCK #	A	B	C
2″ x 4″ | 60mm x 100mm	2PPS-FF	810004116	4 ⅝" | 117mm	13 ¾" | 349mm	5 ⅞" | 149mm
3″ x 5″ | 80mm x 130mm	3PPS-FF	810004156	5 ⅜"| 137mm	15 ⅜" | 391mm	5 ⅞" | 149mm
4″ x 6″ | 100mm x 150mm	4PPS-FF	810004199	6 ⅝" | 168mm	16 ⅞" | 429mm	5 ⅞" | 149mm

Adjustable Roof Flashing

Use to weather proof penetration of vent through the roof. For concentric pipe. Made of aluminum. Adjusts from 0/12 to 5/12.



SIZE	ORDER #	STOCK #	A
2″ x 4″ | 60mm x 100mm	2PPS-F5	810004117	4″ | 100mm
3″ x 5″ | 80mm x 130mm	3PPS-F5	810004157	5″ | 130mm
4″ x 6″ | 100mm x 150mm	4PPS-F5	810004200	6″ | 150mm

SECTION D - GENERAL INSTALLATION NOTES

Read these instructions before beginning. You must use only authorized DuraVent PolyPro vent parts, or other parts specifically authorized in these instructions and/or listed by the appliance manufacturer in order to maintain a safe, approved system.

- Do not fill any air space clearance (***Table 1***) with insulation.
- Do not mix parts or try to match with other products or use improvised solutions.
- Do not install damaged or modified parts.
- Use soapy water to lubricate gaskets.
- Never use Petroleum base lubricants.

If these directions and those of the appliance manufacturer differ, follow the more conservative requirements. If you have any questions, contact either your dealer or DuraVent directly. A venting system must not be routed into, through, or within any other vent, such as an existing masonry or factory-built chimney flue, unless that vent or chimney is not being used to vent another appliance and is only used as a conduit for the gas-vent system. Plastic venting systems shall not pass through fire rated separations without approved firestopping.

PolyPro attains Flame Spread / Smoke Developed ratings of <25 / <50 (per UL-723, ASTM E-84 and ULC-S102) when used in conjunction with the below noted materials:

- 3M Fire Barrier Plenum Wrap 5A+
- Unifrax FyreWrap 0.5 Plenum Insulation
- Knauf Insulation- Atmosphere Duct Wrap with ECOSE
- Alternate equivalent listed product

Always follow the particular installation instructions from the insulation wrap manufacturer, in addition to those for the PolyPro vent system. The venting system shall be securely supported using suitable hangers installed after the pipe has been properly wrapped. Hardware must not deform or damage the vent or wrap.

Refer to the appliance manufacturer's instructions for maximum and minimum vent lengths permitted with your specific appliance model. This information should include guidance on the maximum number of elbows and related pressure-drops. The total vent length from the appliance to the termination shall not be greater than specified by the appliance manufacturer. If specific guidance is not offered by the appliance manufacturer as to Equivalent Vent Lengths (EVL) for vent components, the general guidelines in ***Table 2*** can be used.

Table 1

Clearance to Combustibles

	VENT PIPE ORIENTATION	
Single Wall	**Vertical**	**Horizontal**
Up to 190°F	0"	0"
Up to 230°F	0"	¼" (6mm) all around
Concentric		
Up to 230°F	0"	0"

Table 2 - Equivalent Length Chart

	2" Equivalent Length	3" Equivalent Length	4" Equivalent Length	5" Equivalent Length	6" Equivalent Length	8" Equivalent Length
1-ft Vent Pipe	1-ft	1-ft	1-ft	1-ft	1-ft	1-ft
1-ft Flex Pipe	2-ft (same diameter as rigid)	2-ft (same diameter as rigid)	2-ft (same diameter as rigid)	2-ft (same diameter as rigid)	N/A	N/A
1-ft Flex Pipe	0.4-ft (updsized one diameter)	0.6-ft (updsized one diameter)	0.6-ft (updsized one diameter)	N/A	N/A	N/A
45 Elbow	3-ft	3-ft	5-ft	6-ft	6-ft	13-ft
90 Elbow	5-ft	7-ft	12-ft	14-ft	14-ft	19-ft
Tee	9-ft	12-ft	19-ft	21-ft	22-ft	29-ft

JOINT CONNECTIONS

Locking Band (Old Design): Verify the gasket is seated evenly inside the groove in the female end of the pipe. For PP / Metal pipe with a locking tab, slide the Locking Band on to the male pipe section ***Fig.2.*** Insert locking tab into locking band recess, rotate button away from locking band clasp, insert pipe sections, push lock band clasp downward over the socket, disengage tab 1/4"-5/8" from socket.

Locking Clamp (New Design): Verify the gasket is seated evenly inside the groove in the female end. Assemble the joint by passing the male end of the Polypro Pipe through the Locking Clamp on the hose clamp side and into the female end of the PolyPro pipe, (Fig.2a). Hook the Locking Clamp onto the gasket extrusion on the female end and tighten down on the hose clamp.

The new Locking Clamp design is backwards compatible with pipe sections designed for use with the Locking Band. Use pliers to break off the Locking Tab with a twisting motion. Once removed, install the pipe section following the Locking Clamp instructions. Locking Clamps can be purchased separately in packs of 12.

Fig.2 and 2a. **Screws are not allowed for joint connection. Never penetrate the wall of PolyPro Single-Wall vent pipe. (Exception: a stainless steel screw may be used outside the building on exterior termination fittings to orient an elbow, etc).**

- **IMPORTANT: Locking Bands or Locking Clamps are mandatory on all exhaust vent joints**

POLYPRO TO DURAVENT / SECURITY CHIMNEY METAL VENT CONNECTION

To transition from PolyPro to Duravent / Security metal vents that are UL 1738 or ULC 636 listed, an approved adapter must be used.

Installation of PolyPro (female) to metal vent adapter (male) is the same process as illustrated in Fig.2 and 2a.

APPLIANCE CONNECTION: 2" - 4"

1. If the appliance has a PVC/CPVC female outlet use the Appliance Adapter/ PVC Adapter and Clamp. (***Fig.3***)
   - If the appliance has a PVC/CPVC Male outlet use a matching PVC/CPVC coupling to convert to a female outlet.
2. If the appliance outlet has a rubber boot or Fernco-style appliance adapter, then the PolyPro vent pipe may attach directly to the appliance (***Fig.4***).
3. If the appliance has a FasNSeal outlet then use the FasNSeal to PolyPro adapter.

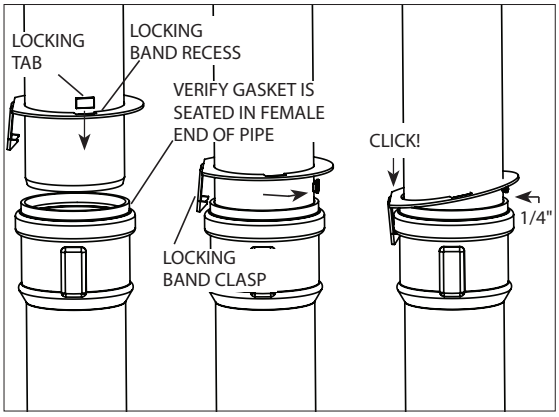


Figure 2

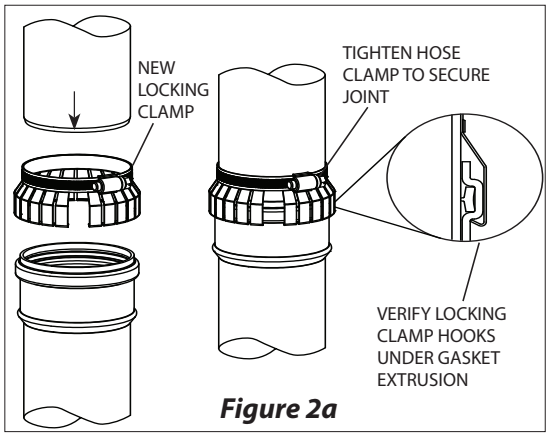


Figure 2a

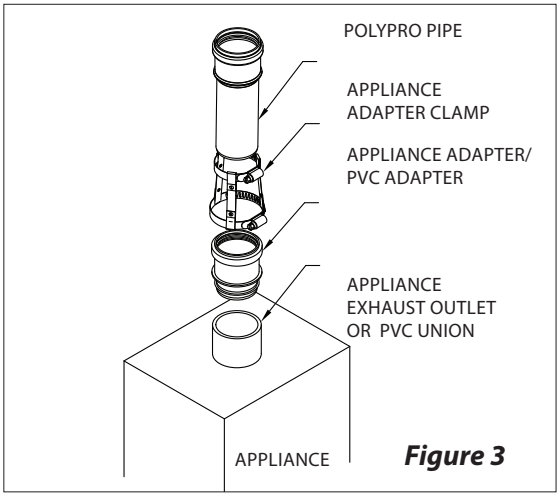


Figure 3

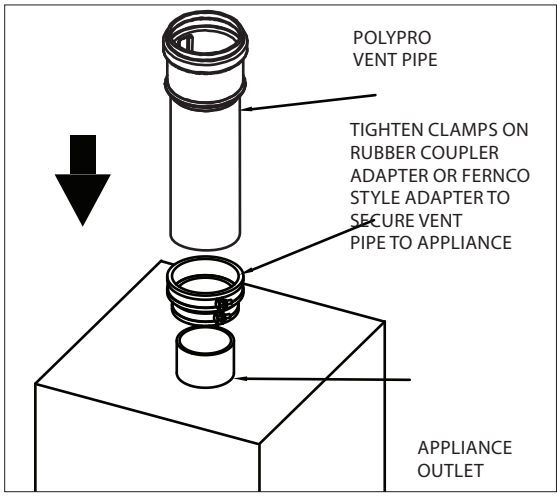


Figure 4

INSTALLATION

1. Pipe lengths may be cut to length (***Fig.5***). If the Locking Tab is removed use the new Locking Clamp (Fig.2a PPS-LC) or alternative clamp (Fig.3 PPS-PAC / PPS-LBC) for the connection.
   - Cut square (not at an angle) to the end of the pipe.
   - Remove burrs before assembly.
2. Check with appliance manufacturer for any restrictions or limits on vent length, number of elbows, etc.
3. The slope of the vent pipe must be at least 1.8° (3/8" rise per ft run, 31mm per meter) back to the appliance. Ensure there are no dips in the system where condensate can collect. (***Fig. 6***)
4. Every horizontal section must be supported. (***Fig. 7***)
5. The venting system shall be securely supported using suitable hangers. Duravent hardware is recommended; field supplied support hardware suitable to the AHJ is acceptable, hardware must not deform or damage the vent. (***Fig. 6 and 7***) Make sure the load of the vent system is not supported by the appliance.
   - On Duravent and other certain clamp styles, 3/8" or greater All-thread may be used as an extension.
6. Vertical installations must be supported every 10 feet (3 meters) or less. (***Fig.7***)
7. Elbows and Tees are sufficiently supported when a bracket is fixed at the female end of the connected straight section. (***Fig. 7***)
8. Vertical components can be insulated in unconditioned space or when ran outside.
9. Use black UV protected components on venting installed on the exterior.

IMPORTANT

PP Pipe sections must be disengaged 1/4"-5/8" per joint (to allow for expansion) and sloped 1.8°(3/8"per ft) back to the appliance per *Fig.6* for proper condensate flow.

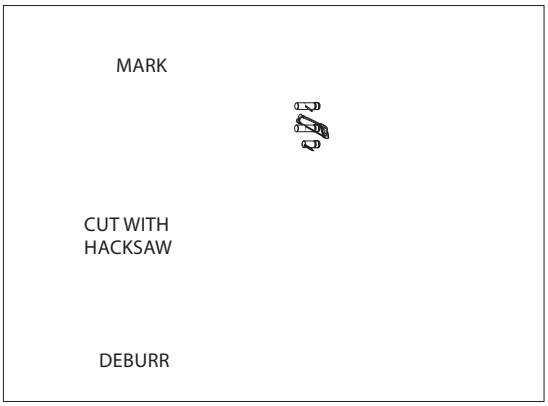


Figure 5

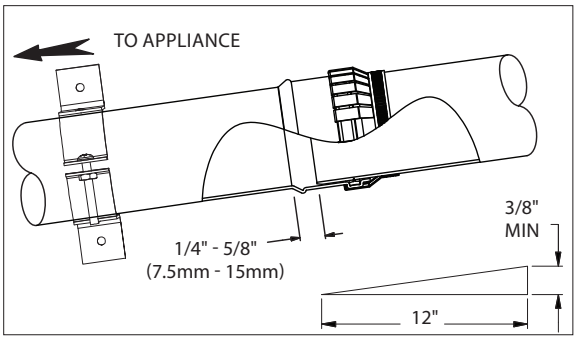


Figure 6

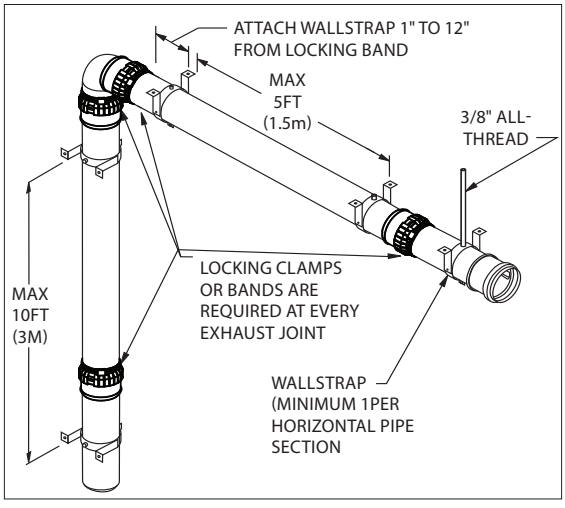


Figure 7

ENCLOSURE REQUIREMENTS

Through Rooms: Interior vents shall be enclosed where they extend through closets, storage areas, occupied spaces, or anyplace where the surface of the vent could be contacted by persons or combustible materials except when installed in the room with the appliance.

Multi-Story: Consult local building or other applicable codes for requirements in your area. In the U.S., NFPA 211 10.6.3 (2013) states: "Vents that pass through the floors of buildings requiring the protection of vertical openings shall be enclosed within an approved enclosure. The enclosure walls shall have a fire resistance rating of not less than 1 hour where a vent is located in a building less than four stories in height. The enclosure walls shall have a fire resistance rating of not less than 2 hours where a vent is located in a building four or more stories in height."

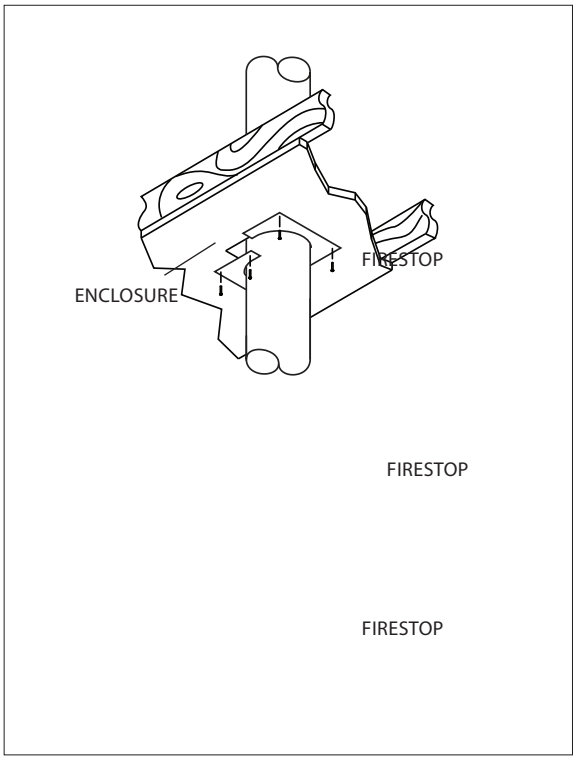


Figure 8

FIRESTOPS (*Fig. 8*)

1. Firestops are required at each ceiling/floor penetration including an attic. Firestops are not required at the roof deck penetration.
2. Cut and/or frame hole. (***Table 3***)
3. Slide the two halves together and attach to the ceiling.

Table 3 - Wall & Ceiling Penetration Sizing Table

	VENT DIAMETER					
Termination	**2"**	**3"**	**4"**	**5"**	**6"**	**8"**
CONCENTRIC VERTICAL OR HORIZONTAL	4 1/8" / 105mm	5 1/8" / 130mm	6 1/8" / 155mm	N/A	N/A	N/A
TWIN PIPE HORIZONTAL CLASS IIB	7 3/8" x 2 5/8" 187mm x 65mm	8 3/8" x 3 7/8" 212 x 85mm	9" x 4 3/8" 228 x 100mm	N/A	N/A	N/A
TWIN PIPE HORIZONTAL CLASS IIC **(Framing Dimensions)**	8" x 3" 200 x 77mm	8 7/8" x 3 7/8" 225 x 98mm	9 3/8" x 4 3/8" 238 x 112mm	N/A	N/A	N/A
SINGLE HORIZONTAL CLASS IIB	2 5/8" / 65mm	3 3/8" / 85mm	4" / 100mm	N/A	N/A	N/A
SINGLE HORIZONTAL CLASS IIC **(Framing Dimensions)**	3" 77mm	3 7/8" 98mm	4 3/8" 112mm	N/A	N/A	N/A
SINGLE WALL W/ Locking Clamp VERTICAL	3 1/2"	4 1/4"	5 1/8"	6 1/2"	7 1/4"	9 1/4"
SINGLE PIPE NO Locking ClampS VERTICAL	3"	3 3/4"	4 1/2"	5 3/4"	6 3/4"	8 3/4"

TERMINATIONS:

Horizontal Single Pipe (***Fig.9***)

1. Locate penetration in wall.
2. Cut or cut and frame hole. (***Table 3***)
3. Attach Inner Plate to wall.
4. Attach / seal Outer Plate to outside wall.
5. Line up keyway, slide black pipe (UV Protected) or termination through plates.
6. If termination is used, attach with screws. Align tabs with pipe mounts.
7. Add additional components to raise vent level if desired (vent to be 12" above grade or average snow level).
8. Remove gasket and install Bird Guard into end of pipe. (Fig.10)
9. Install Poly Pro venting system to/from termination to appliance.

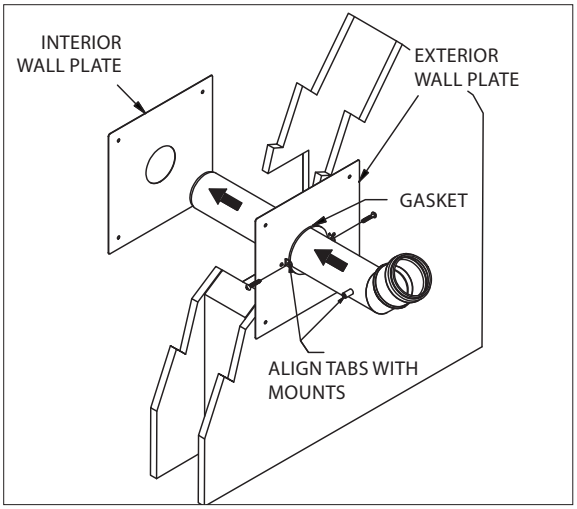


Figure 9

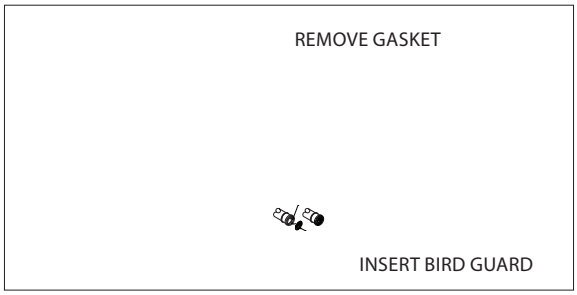


Figure 10

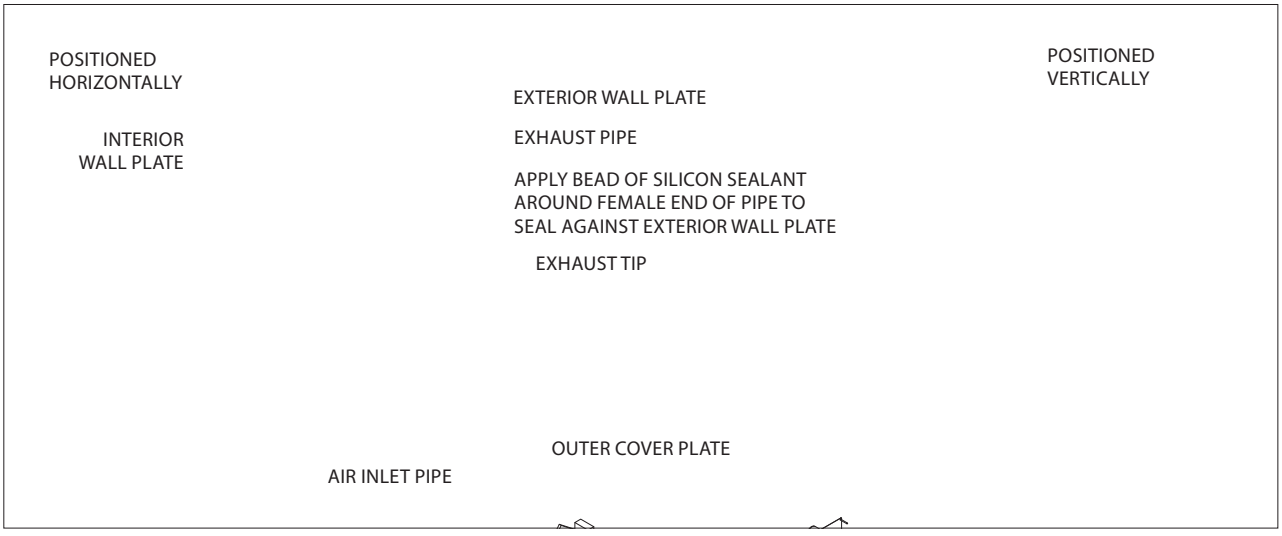


Figure 11

Horizontal Twin Pipe (Fig.11)

1. Locate penetration.
2. Cut or cut and frame hole. (***Table 3***)
3. Attach interior wall plate to inside wall.
4. Attach and seal exterior wall plate to outside wall.
5. Slide pipes through outer plate.
6. Rotate pipes to slide pipe past keyway.
7. Slide exhaust tip into exhaust pipe.
8. Mount outer cover plate to exterior wall plate.
9. install Poly Pro venting system to/from termination to appliance.

Horizontal Concentric (*Fig.12*)

1. Locate penetration.
2. Cut hole. (***Table 3***)
3. Attach and seal exterior exterior wall plate onto outside wall.
4. Slide cap through exterior wall plate into hole from outside building. Cap must not be installed sloped downward.
5. Orient termination so air intake slots face down.
6. Seal termination to exterior wall plate with silicone sealant.
7. Slide interior wall plate over termination and attach to wall from inside the room.
8. Attach interior wall plate to termination with provided hardware.
9. Install gaskets into Co-Linear Adapter.
10. Attach Co-Linear Adapter to Horizontal Termination.
11. Install Poly Pro venting system to/from termination to appliance.

Lochinvar / IPEX twin plate termination connector- 2" installation (*Fig.13*)

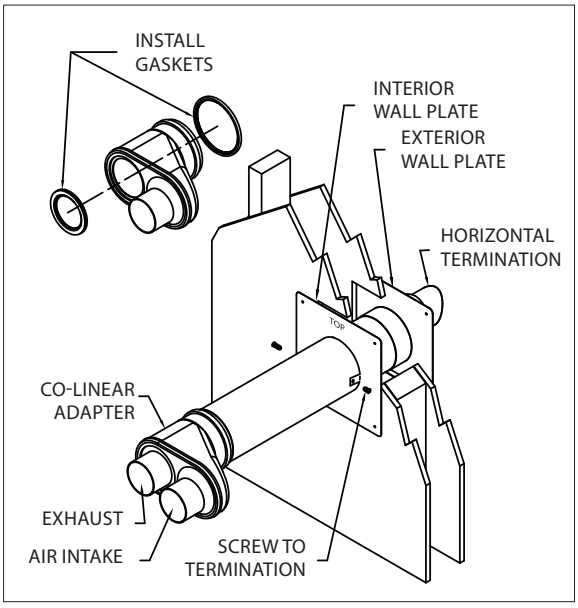


Figure 12

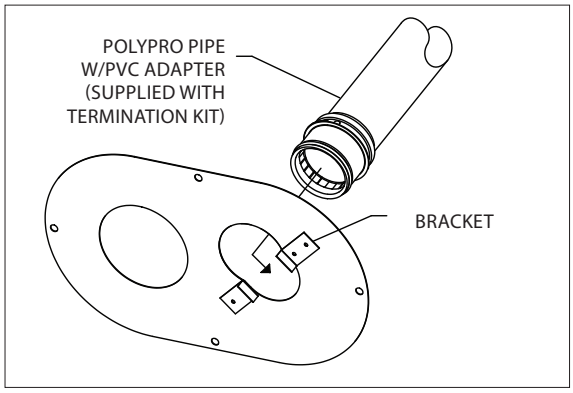


Figure 13

WARRANTY

This product has a 10 year limited warranty. Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

PRODUCT REFERENCE INFORMATION

Please contact DuraVent for the phone number of your nearest DuraVent dealer who will answer your questions or address your concerns.

Normally, all parts should be ordered through your DuraVent distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the vent system.
2. The part number.
3. The description of the part.
4. The quantity required.
5. The installation date of the chimney system.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

DuraVent®

877 Cotting Court • Vacaville, CA • 95688
800-835-4429; www.DuraVent.com

DuraVent reserves the right to make changes at any time, without notice, in design, materials, specifications, prices.
Consult your local distributor for chimney system code information.

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