

# SYSTEM 636 FLUE GAS VENTING

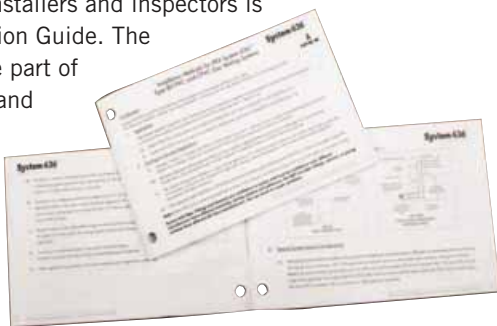
PVC 1-1/2" - 4" (40mm - 100mm)  
CPVC 1-1/2" - 8" (40mm - 200mm)

## System 636®

The use of plastic venting systems on gas fired water heaters, furnaces and boilers has undergone a significant change. CSA B149.1 Natural Gas and Propane Installation Code now requires all special venting material to be certified to ULC S636 across Canada. IPEX addressed this market need with System 636, a fully certified flue gas vent system.

Since the inception of System 636, IPEX has made numerous product line additions and extensions to now offer the most complete product offering in the market. Also, System 636 is very professionally represented by IPEX with sales, technical, code issues and training support.

Front and centre to aid installers and inspectors is the System 636 Installation Guide. The contents of this guide are part of the certification process and contain many important aspects of installation to ensure successful, code-compliant installations. Issues addressed in the Guide include support spacing, expansion and contraction, solvent cementing procedures and special installation and terminations.



### APPLICATIONS

- Flue Gas Venting
- Residential or Commercial

### STANDARDS



### DID YOU KNOW?

To help fully understand the procedures for cementing PVC and CPVC System 636 versus traditional ABS material, IPEX offers an on-line System 636 solvent cementing refresher course.

### ADVANTAGES

- 1 Fully certified as a complete pipe, fittings and cement system.
- 2 2 system options cover a broad range of operating temperatures.
- 3 Manufactured and supported by the Canadian PVC & CPVC piping system experts.
- 4 No mixing clause of ULC S636 ensures full compatibility of all pipe, fittings and cement.



## TWO CERTIFIED SOLUTIONS

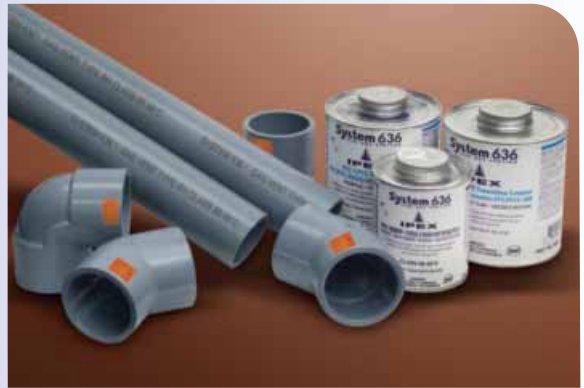
### SYSTEM 636 PVC

System 636 PVC is classified as Type BH Class II A vent, suitable for use on appliances with flue gas temperatures up to and including 65°C (149°F). Sizes include 40, 50, 65, 75 and 100mm (1-1/2", 2", 2- 1/2", 3" and 4"). Coloured white with unique blue certification markings, System 636 PVC pipe is made to sturdy Sch. 40 dimensions to provide a strong, rigid pipe for the application. A full range of certified vent fittings and accessories offered.



### SYSTEM 636 CPVC

System 636 CPVC is classified as Type BH Class II B vent, suitable for use on appliances with flue gas temperatures up to and including 90°C (194°F). CPVC sizes include 40, 50, 65, 75, 100, 150 and 200mm (1-1/2", 2", 2- 1/2", 3", 4", 6" and 8"). Coloured grey, System 636 CPVC pipe is also made to sturdy Sch. 40 dimensions to be tough enough for the application's demands.



### SYSTEM 636 CEMENTS & PRIMERS



System 636 PVC & CPVC solvent cements are specifically formulated and certified for flue gas venting applications. We also offer a PVC & CPVC Primer for applications where the gas venting system is to be installed in temperatures below 0°C (32°F). And our specialized transition cement is required for connection to ABS appliance connectors.

**System 636<sup>®</sup>**  
FLUE GAS VENTING

## IPEX IS PLEASED TO OFFER THREE CERTIFIED WAYS TO TERMINATE YOUR SYSTEM 636® FLUE GAS VENTING SYSTEM



### CONCENTRIC KITS (PVC & CPVC)

System 636 Concentric Kits, are available in a variety of lengths and come in 2", 3" and 4" diameters. These "pipe-in-pipe" kits allow for both exhaust and intake pipes to penetrate the roof or side wall through only one hole. The concentric vent kits are now certified with mechanically fastened rain caps. When installed with the included stainless steel screw/nut the rain cap can be easily removed for cleaning or replacement.

### SIDE WALL KITS (PVC)

For a traditional vent style, IPEX's PVC Side Wall Vent Kits are available in convenient 2", 2-1/2" and 3" sizes. These PVC kits require only two small wall penetrations for intake and exhaust. Kits include a white finishing plate with a self sealing foam back that can be screwed to the exterior wall.

### LOW PROFILE TERMINATION KITS (PVC)

The kits offer a lower profile alternative to the typical two pipe side wall termination kit. They include integrally molded vent screens, and the design neatly disguises both the intake and exhaust. Each kit is molded with a ULC S636 certified beige PVC compound.

### VENT SCREENS

IPEX also offers 2", 3", 4", 6" and 8" vent screens to prevent debris and rodents from entering and plugging the venting system. These non-certified vent screens can be friction fit in any IPEX termination kit.

### ROUND FACE PLATES



These round face plates are the perfect accessory for single wall penetrations like the Concentric Vent Kits, or in instances where two pipes are too far apart to use a two hole termination kit. The face plates help cover unsightly bore holes created during the pipe installation. They are available in both white and grey to match the certified vent pipe, and each plate includes a self sealing foam back.


### RECTANGULAR 2 HOLE FACE PLATES

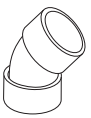
These white PVC finishing plates are available in 3 sizes and include a self sealing foam back. They are perfect for side wall applications that require terminations that the Side Wall Kits cannot accommodate. The face plates can be used with PVC or CPVC venting as they do not contact the flue gas, and can be painted to suit the application.

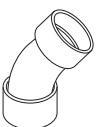



# PRODUCT SELECTION CHART - SYSTEM 636

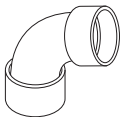
	Material	Dimension		Product Code
		inches	mm	
<b>Gas Vent Pipe</b> 	PVC	Plain End (10ft lengths)		
		1-1/2	40	194003
		2	50	194000
		2-1/2	65	194004
		3	75	194001
		4	100	194002
	CPVC	1-1/2	40	198003
		2	50	198001
		2-1/2	65	198004
		3	75	198000
		4	100	198002
CPVC LG DIA.	6	150	198005	
	8	200	198006	

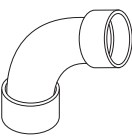
<b>FGV 22-1/2° Elbow</b> H x H				
	PVC	2	50	196252

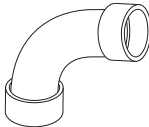
<b>FGV 45° Elbow</b> H x H				
	PVC	1-1/2	40	196241
		2	50	196242
		2-1/2	65	196487
		3	75	196243
		4	100	196244
CPVC	2	50	197169	
	3	75	197171	
	4	100	197172	
CPVC LG DIA.	6	150	197173	
	8	200	197174	

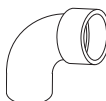
<b>FGV 45° Long Elbow</b> H x H				
	PVC	2	50	196010
		3	75	196011

<b>FGV 45° Elbow</b> H x Sp				
	PVC	2	50	196071
		3	75	196223

<b>FGV 90° Elbow</b> H x H				
	PVC	2	50	196035
		2-1/2	65	196525
		3	75	196025
CPVC	2	50	197199	
	3	75	197201	
	4	100	197202	
	CPVC LG DIA.	6	150	197203
	8	200	197204	

<b>FGV 90° Long Elbow</b> H x H				
	PVC	1-1/2	40	196121
		2	50	196122
		3	75	196123
		4	100	196124
CPVC	2	50	197122	
	3	75	197123	
	4	100	197124	
CPVC LG DIA.	6	150	197125	
	8	200	197126	

<b>FGV 90° Extra Long Elbow</b> H x H				
	PVC	2	50	196022
		3	75	196023

<b>FGV 90° Street Elbow</b> Sp x H				
	PVC	2	50	196232
		3	75	196233

PVC Note: For use with gas fired appliances producing flue gases 65°C (149°F) or less.  
 CPVC Note: For use with gas fired appliances producing flue gases 90°C (194°F) or less.