

Make your best  
energy source  
even safer.



## SuprSense™

Excess Flow Valve

While natural gas is recognized as one of our cleanest and most efficient forms of energy, it can also be quite dangerous. A break in a natural gas line may result in an explosion and fire, leading not only to the destruction of property, but also injury or even death. Although properly installed gas lines and fittings are generally safe, they can be damaged by such natural occurrences as earthquakes, tornadoes, hurricanes and floods.

There are human factors that increase the risk of a natural gas leak, as well. Carelessness when moving furniture, cleaning around or moving gas appliances, can damage lines. And of course, vandals may unintentionally – or intentionally – sever a line or disrupt a connection.

You may not be aware when one of these events occur. That's why Dormont's new SuprSense™ Excess Flow Valve is so important to your family's safety.



**Dormont**®  
A Watts Water Technologies Company

Setting the Standard in Gas Safety™

# SuprSense™

## Excess Flow Valve

The Dormont SuprSense™ Excess Flow Valve is a precision-manufactured device consisting of two body pieces and an internal valve mechanism. Under normal conditions, the valve remains opened, allowing gas to flow at normal gas line flow rates. In the event of a complete downstream gas line rupture, which causes excess gas flow, the SuprSense automatically activates - greatly reducing the gas flow.

This reduced flow is maintained until the upstream manual shut-off valve is closed and the gas line is repaired. After the gas line is repaired and the pressure is equalized, the SuprSense will automatically reset and restore normal gas flow.

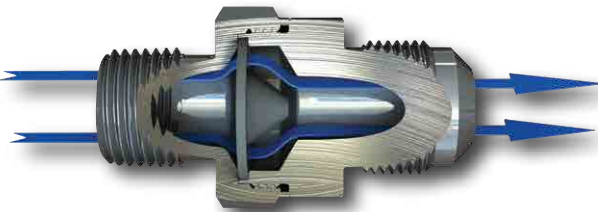
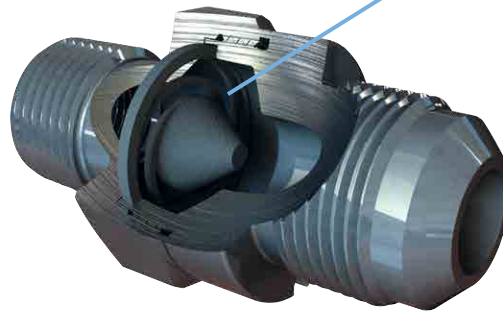
### Benefits:

- Protection against excessive gas leaks
- Automatic reset
- Easy to install
- Compatible with residential gas appliances
- 100% assembled and tested in the USA

### Features:

- Corrosion-resistant steel construction
- High temperature, gas compatible flow limiting plunger
- CSA design certified and California DSA listed

Durable, fully-flexible and gas compatible flow limiting plunger



Full flow during standard operation providing the supply needs for the gas appliance



Gas flow is restricted by the plunger due to full line rupture or disconnect providing protection against excessive gas leaks

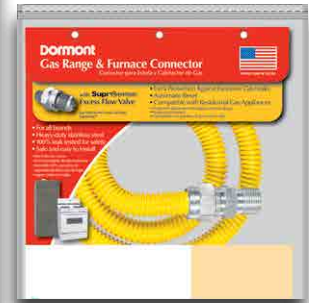
EFV SIZING TABLE	MODEL 90-1031-V1		MODEL 90-1031-V2		MODEL 90-2031-V4		MODEL 90-3041-V5		MODEL 90-303M-V6	
	Rated Trip	Max Capacity	Rated Trip	Max Capacity	Rated Trip	Max Capacity	Rated Trip	Max Capacity	Rated Trip	Max Capacity
<b>HORIZONTAL</b>	75 @ 1.05	48 @ 0.30	95 @ 1.55	60 @ 0.40	115 @ 0.70	93 @ 0.35	160 @ 0.80	125 @ 0.25	160 @ 0.80	125 @ 0.25
<b>VERTICAL UP</b>	105 @ 1.95	65 @ 0.45	115 @ 2.25	80 @ 0.60	145 @ 1.05	118 @ 0.45	185 @ 1.00	150 @ 0.35	185 @ 1.00	150 @ 0.35
<b>VERTICAL DOWN</b>	42 @ 0.40	30 @ 0.15	60 @ 0.70	45 @ 0.25	85 @ 0.45	60 @ 0.15	135 @ 0.60	105 @ 0.20	135 @ 0.60	105 @ 0.20
<b>INLET</b>	½" MNPT x ⅜" FNPT		½" MNPT x ⅜" FNPT		½" MNPT		¾" MNPT x ½" FNPT		½" MNPT	
<b>OUTLET</b>	⅝" OD Flare		⅝" OD Flare		½" OD Flare		⅝" OD Flare (15/16"-16 Threads)		⅝" OD Flare (15/16"-16 Threads)	

Rated Trip Flow and Max Flow Capacity values are kBtu/hr @ max. "w.c. PD (natural gas, 0.64 s.g., 1000 BTU/cu.ft.)



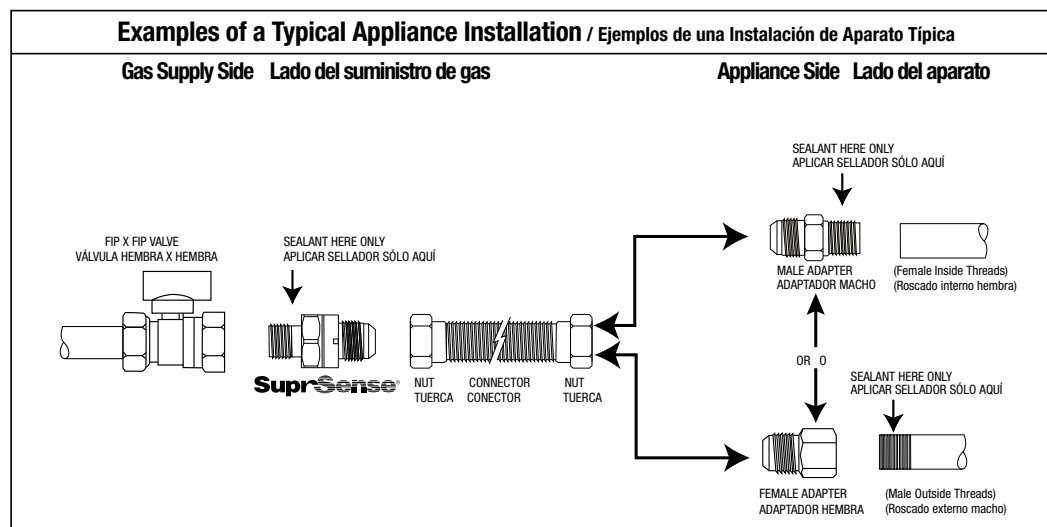
**CAUTION**  
This brochure is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and safety information provided with the product.

Gas Water Heater and Dryer Connector Kit			
Part #	Contents	Pcs/ Carton	Price Each
20C-3131V4KIT-48B	(1) 1/2" OD x 48" yellow coated stainless steel connector Two (2) standard fittings: (1) 1/2" male pipe thread (tapped 3/8" female pipe thread) (1) 3/4" male pipe thread (tapped 1/2" female pipe thread) One (1) SuprSense excess flow valve fitting 1/2" male pipe thread (1) Pipe thread sealant (1) Leak test solution (1) Detailed installation guide	5	\$110.31
Gas Range and Furnace Connector Kit			
Part #	Contents	Pcs/ Carton	Price Each
XL30C-313MV6KIT-48B	(1) 5/8" OD x 48" yellow coated stainless steel gas connector Two (2) standard fittings: (1) 1/2" male pipe thread (tapped 3/8" female pipe thread) (1) 3/4" male pipe thread (tapped 1/2" female pipe thread) One (1) SuprSense excess flow valve fitting 1/2" male pipe thread (1) Pipe thread sealant (1) Leak test solution (1) Detailed installation guide	5	\$112.70
Gas Log and Space Heater Connector Kit			
Part #	Contents	Pcs/ Carton	Price Each
10A-2131V2KIT-24B	(1) 3/8" OD x 24" black coated gas connector Two (2) standard fittings: (1) 3/8" male pipe thread (tapped 1/4" female pipe thread) (1) 1/2" male pipe thread (tapped 3/8" female pipe thread) One (1) SuprSense excess flow valve fitting 1/2" male pipe thread (tapped 3/8" female pipe thread) (1) Pipe thread sealant (1) Leak test solution (1) Detailed installation guide	5	\$108.11

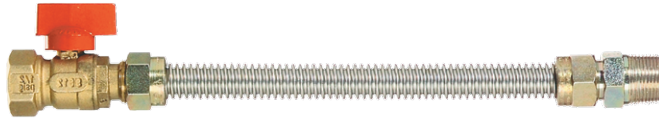


### NOTICE

1. Rated Trip Flow and Max Flow Capacity values are kBtu/hr @ max. "w.c. PD (natural gas, 0.64 s.g., 1000 BTU/cu.ft.)
2. A minimum of 5" w.c. inlet pressure is required with a maximum inlet pressure of 14" w.c. (1/2 psig).
3. For more information on flow rates with a specific Dormont gas connector, contact 1-800-DORMONT.
4. Operating temperature: -20°F to 150°F (-29°C to 66°C).
5. Bypass rate: MAX 2.5 SCFH at 0.5 psi.
6. Installation orientation: Multi-poise (horizontal, vertical up, vertical down).
7. EFV Type: EFVB (Bypass with automatic reset)
8. Maximum trip flow is 1.4 times the rated trip flow.



# The First and Only COMPLETE Gas Equipment Connection System



## Stainless Steel Gas Connectors

Durable, naturally corrosion-resistant stainless steel gas connectors for indoor or outdoor stationary appliance applications range in size from 3/8" OD to 5/8" OD.



**SAFETY SHIELD®**



## Coated Stainless Steel Gas Connectors

SafetyShield® coating provides easy gas line identification and extra protection from chemical corrosion from accidental contact with household chemicals. Consistent coverage provides protection along the entire length of the connector.



**LV®**  
LOW-VISIBILITY  
COATING  
TECHNOLOGY



## Stainless Steel Gas Connectors with High-Temperature Black Epoxy Coating

Specifically engineered for high-temperature applications such as gas logs, fireplace inserts and free-standing fireplaces. Features a low-visibility coating that helps hide the connector from view.



**ULTRA flow®**



## High BTU Stainless Steel Gas Connectors

Stainless steel gas connectors 1" OD to 1-1/2" OD. Available with hot-dipped, heavy-duty gray PVC coating, or SafetyShield yellow coating for indoor and outdoor high BTU applications and manufactured home cross-over connections requiring the highest level of protection from abuse and environmental factors.



**Whisperflex®**



## Connectors for High BTU Hearth Applications

Designed to eliminate the whistle that gas flow often produces in some high BTU hearth installations. Also available with high-temperature LV® black epoxy.



## Fittings, Valves and Regulators

We offer a complete line of fittings, valves and regulators to ensure a safe, CSA-approved installation.



## Commercial Foodservice Gas Connectors and Safety Fittings



Specifically engineered for commercial cooking equipment, the Dormont Safety System™ Blue Hose™ features antimicrobial PVC coating and patented Stress Guard™ technology. We also offer a selection of accessories to complete your gas connection and extend the service life of your gas connector.

**Dormont®**

A Watts Water Technologies Company

USA: Tel: (800) 367-6668 • Fax: (724) 733-4808 • Dormont.com

Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • Dormont.ca

Latin America: Tel: (52) 81-1001-8600 • Fax: (52) 81-8000-7091 • Dormont.com