



WATER



GAS



ENVIRONMENT



PEST CONTROL

GAS CONNECTIONS & ACCESSORIES

Dormont®

Standard & Braided Gas Hoses, Safety Options & Regulators

PROVEN REPUTATION FOR ULTIMATE SAFETY, RELIABILITY AND LONG TERM PERFORMANCE

Dormont hoses are of the highest quality, with ease of use, reliability and safety built-in.

You can “Fit & Forget” - saving time and money and preserving your reputation by using “the most trusted name in gas hoses.” - gas hoses designed with safety and long-life in mind.

Dormont’s attention to detail and specific engineering process ensure that every precaution has been taken so that the job’s done right, first time!



Gas Hoses

All hoses supplied complete with quick-disconnect coupling, straight restraining wire & mounting hardware.

Approved for all 3 gas families: Town, LPG and Natural Gas



Compact Regulators

Mechline’s CaterConneX-Gas Compact Regulators are designed for commercial cooking appliances.



Gas Hose Safety & Performance Options

Range of options for use on Standard or Braided hoses





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Superior Construction

comes as **STANDARD**. Dormont standard hoses are specifically designed and engineered for the commercial food service environment and application.



 Dipped **PVC** coating provides a **permanent, wrinkle-free, heat and crack-resistant smooth surface** preventing places where dirt and debris can lodge facilitating cleaning and **better hygiene**. PVC coating also increases service life and will not hold a flame in the event of a fire.

	Dormont <i>smooth surface</i>		Others <i>wrinkled surface</i>
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 **New and unique Antimicrobial Coating**, exclusive to Dormont hoses, improves hygiene and safety since materials resist contamination and inhibit the growth of mildew, mould and odour-causing bacteria on the hose.





 Each fully annealed **304 stainless steel** hose has an exclusive **helical** corrugation design (one continuous spiral corrugation) to increase strength and flexibility.


 The **annealing process** increases the strength, ductility and corrosion resistance of the stainless steel after corrugation.



 **Flared mechanical end fittings** provide longer-lasting service life at critical twisting points versus welded fittings.



 Exclusive push-to-connect, quick-disconnect coupling unit for easy, one-handed operation with a unique **flat face** to prevent the ingress of debris and liquids.

 **360° axial rotation.**



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DORMONT GAS HOSES



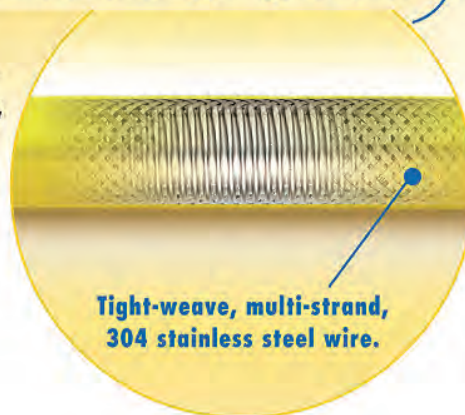
Strength and Durability

Upgrade to Dormont's **PREMIUM BRAIDED** hoses and enjoy all the features & benefits of the standard hose but increase service life and improve installation configurations.

Stainless steel braiding prevents the corrugations of the hose from stretching as equipment is moved – increasing durability, service life and tensile strength. Combined with the dipped antimicrobial PVC coating process, the braiding provides an exceptionally strong outer protective surface.

Additionally every braided hose comes with the same antimicrobial coating and one-handed, push-to-connect, quick-disconnect coupling found in the unbraided hoses.

Model number: BPQ.



BTU CAPACITIES Flow rating BTU @ 0.55 sp. gr. natural gas, 0.58 mbar pressure drop, 37.96 MJ/m3.

Hose I.D. inches	Length (mm)		
	1000mm	1250mm	1500mm
1/2-inch	66,000	59,000	56,000
3/4-inch	152,000	142,000	136,000
1-inch	246,000	236,000	214,000
1 1/4-inch	-	455,000	430,000

NB: Pressure drop determines how much gas is delivered. Higher pressure will increase the amount delivered. Lower pressures and the addition of Performance Options may reduce the amount delivered. Be sure to check your installation requirements when ordering gas hoses and/or seek the advice of a CORGI engineer.

The BTU capacities given here were determined under the test conditions specified in BS669 part 2 1997 and are for braided and unbraided gas hoses fitted with standard quick-disconnect fittings or Safety Quik™. For sizes/lengths other than those given, or for hoses fitted with SwivelMAX™ fittings, or without quick-disconnect couplings, contact Mechline for advice.

CORRECT INSTALLATION

- QD part of the hose should be at the supply end
- Ensure that there is a natural, single loop - no sharp bends, crimps or twists in the hose - to avoid fatigue
- Do not allow hose to drag on the floor
- The restrainer should be slightly shorter than the length of the gas hose to avoid over-extending the hose - do not attach restrainer to gas supply pipes, gas hose or any point insufficiently anchored



STANDARDS / LEGISLATION

- BSI Kitemarked
- (BS669 Part 2)
- Worldwide accreditation.



"Component"

The only hose that carries the BSI kitemark that signifies ongoing quality testing rather than the BS669 Part 2 Certificate which purely signifies compliance of one sample on the original test date.



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DORMONT GAS HOSES



DORMONT HOSES ARE OF THE HIGHEST QUALITY, WITH EASE OF USE, RELIABILITY AND SAFETY BUILT-IN



Dormont: The World's Most Trusted Name in Gas Hoses

GAS HOSES



FOR SPARE PARTS
See page 90

HOSES SUPPLIED COMPLETE WITH... QUICK-DISCONNECT COUPLING AND STRAIGHT RESTRAINER CABLE WITH MOUNTING HARDWARE

QUICK-DISCONNECT COUPLING

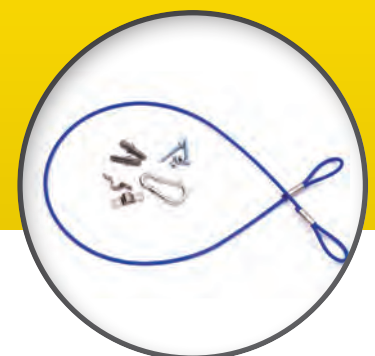
For use with Dormont hoses only

- Easy to reconnect
- Flat face preventing the ingress of dirt
- designed for catering applications



STRAIGHT RESTRAINER

With mounting hardware



Model	Inside dia.	
UNBRAIDED Gas Hose "NPVF" + Quick-Disconnect Coupling + Straight Restrainer Cable with mounting hardware		
1000mm* UNBRAIDED		
2650NPVF36	½-inch	
2675NPVF36	¾-inch	
26100NPVF36	1-inch	
1¼-inch (Use 1200mm instead)		
1200mm* UNBRAIDED		
2650NPVF48	½-inch	
2675NPVF48	¾-inch	
26100NPVF48	1-inch	
26125NPVF48	1¼-inch	
1500mm* UNBRAIDED		
2650NPVF60	½-inch	
2675NPVF60	¾-inch	
26100NPVF60	1-inch	
26125NPVF60	1¼-inch	
*Alternative lengths available: 300, 600 & 1800, as special order.		

Model	Inside dia.	
BRAIDED Gas Hose "BPQ" + Quick-Disconnect Coupling + Straight Restrainer Cable with mounting hardware		
1000mm* BRAIDED		
2650BPQ36	½-inch	
2675BPQ36	¾-inch	
26100BPQ36	1-inch	
1¼-inch (Use 1200mm instead)		
1200mm* BRAIDED		
2650BPQ48	½-inch	
2675BPQ48	¾-inch	
26100BPQ48	1-inch	
26125BPQ48	1¼-inch	
1500mm* BRAIDED		
2650BPQ60	½-inch	
2675BPQ60	¾-inch	
26100BPQ60	1-inch	
26125BPQ60	1¼-inch	
*Alternative lengths available: 300, 600 & 1800, as special order.		

*If purchasing hoses without a restrainer, there is a dismantling charge added to the base price of the gas hose.

APPROVED FOR ALL 3 GAS FAMILIES: TOWN, LPG AND NATURAL GAS



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DORMONT GAS HOSES



SwivelMAX provides unique multi-plane rotational movement to increase aisle space in the kitchen; decreases stress on the hose and thereby increase the service life of the hose. Maximised performance, mobility, space & safety. Can be fitted to standard or braided gas hoses as part of the original assembly. Cannot be retro-fitted.



SPARE PART NOT AVAILABLE
Can only be ordered as part of original construction.



GAS HOSES + SWIVELMAX

UNBRAIDED - OR - BRAIDED Gas Hose
+ Quick-Disconnect Coupling
+ 1 SwivelMAX + Straight Restraining Cable
with mounting hardware

Model	Inside dia.	Model	Inside dia.	Model	Inside dia.
1000mm* UNBRAIDED "NPVF"					
2650NPVF361S	1/2-inch	2650NPVF481S	1/2-inch	2650NPVF601S	1/2-inch
2675NPVF361S	3/4-inch	2675NPVF481S	3/4-inch	2675NPVF601S	3/4-inch
26100NPVF361S	1-inch	26100NPVF481S	1-inch	26100NPVF601S	1-inch
1000mm* BRAIDED "BPQ"					
2650BPQ361S	1/2-inch	2650BPQ481S	1/2-inch	2650BPQ601S	1/2-inch
2675BPQ361S	3/4-inch	2675BPQ481S	3/4-inch	2675BPQ601S	3/4-inch
26100BPQ361S	1-inch	26100BPQ481S	1-inch	26100BPQ601S	1-inch

UNBRAIDED - OR - BRAIDED Gas Hose
+ Quick-Disconnect Coupling
+ 2 SwivelMAX + Straight Restraining Cable
with mounting hardware

Model	Inside dia.	Model	Inside dia.	Model	Inside dia.
1000mm* UNBRAIDED "NPVF"					
2650NPVF362S	1/2-inch	2650NPVF482S	1/2-inch	2650NPVF602S	1/2-inch
2675NPVF362S	3/4-inch	2675NPVF482S	3/4-inch	2675NPVF602S	3/4-inch
26100NPVF362S	1-inch	26100NPVF482S	1-inch	26100NPVF602S	1-inch
1000mm* BRAIDED "BPQ"					
2650BPQ362S	1/2-inch	2650BPQ482S	1/2-inch	2650BPQ602S	1/2-inch
2675BPQ362S	3/4-inch	2675BPQ482S	3/4-inch	2675BPQ602S	3/4-inch
26100BPQ362S	1-inch	26100BPQ482S	1-inch	26100BPQ602S	1-inch

*Alternative lengths available: 300, 600 & 1800, as special order. If purchasing hoses without a restrainer, there is a dismantling charge added to the base price of the gas hose.

SPARE PARTS AVAILABLE



See page 90 for details



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PEST CONTROL

DORMONT GAS HOSES



With **Safety Quik** the hose can only be disconnected when the valve is turned to the OFF position. Gas flow is safely shut off with a simple, one-handed action. Likewise, the valve cannot be opened until the gas hose is correctly re-attached. Thermal shut-off safety feature stops the flow of gas when internal temperatures exceed 170°C (350°F).

FOR SPARE PARTS
See page 90

GAS HOSES + SAFETY QUIK

UNBRAIDED - OR - BRAIDED Gas Hose + Safety Quik + Straight Restraining Cable with mounting hardware



1000mm* UNBRAIDED "NPVF"

2650NPVF36CF	1/2-inch	
2675NPVF36CF	3/4-inch	
26100NPVF36CF	1-inch	

1000mm* BRAIDED "BPQ"

2650BPQ36CF	1/2-inch	
2675BPQ36CF	3/4-inch	
26100BPQ36CF	1-inch	

1200mm* UNBRAIDED "NPVF"

2650NPVF48CF	1/2-inch	
2675NPVF48CF	3/4-inch	
26100NPVF48CF	1-inch	

1200mm* BRAIDED "BPQ"

2650BPQ48CF	1/2-inch	
2675BPQ48CF	3/4-inch	
26100BPQ48CF	1-inch	

1500mm* UNBRAIDED "NPVF"

2650NPVF60CF	1/2-inch	
2675NPVF60CF	3/4-inch	
26100NPVF60CF	1-inch	

1500mm* BRAIDED "BPQ"

2650BPQ60CF	1/2-inch	
2675BPQ60CF	3/4-inch	
26100BPQ60CF	1-inch	

UNBRAIDED - OR - BRAIDED Gas Hose + Safety Quik + 1 SwivelMAX + Straight Restraining Cable with mounting hardware



1000mm* UNBRAIDED "NPVF"

2650NPVF361SCF	1/2-inch	
2675NPVF361SCF	3/4-inch	
26100NPVF361SCF	1-inch	

1000mm* BRAIDED "BPQ"

2650BPQ361SCF	1/2-inch	
2675BPQ361SCF	3/4-inch	
26100BPQ361SCF	1-inch	

1200mm* UNBRAIDED "NPVF"

2650NPVF481SCF	1/2-inch	
2675NPVF481SCF	3/4-inch	
26100NPVF481SCF	1-inch	

1200mm* BRAIDED "BPQ"

2650BPQ481SCF	1/2-inch	
2675BPQ481SCF	3/4-inch	
26100BPQ481SCF	1-inch	

1500mm* UNBRAIDED "NPVF"

2650NPVF601SCF	1/2-inch	
2675NPVF601SCF	3/4-inch	
26100NPVF601SCF	1-inch	

1500mm* BRAIDED "BPQ"

2650BPQ601SCF	1/2-inch	
2675BPQ601SCF	3/4-inch	
26100BPQ601SCF	1-inch	

UNBRAIDED - OR - BRAIDED Gas Hose + Safety Quik + 2 SwivelMAX + Straight Restraining Cable with mounting hardware



1000mm* UNBRAIDED "NPVF"

2650NPVF362SCF	1/2-inch	
2675NPVF362SCF	3/4-inch	
26100NPVF362SCF	1-inch	

1000mm* BRAIDED "BPQ"

2650BPQ362SCF	1/2-inch	
2675BPQ362SCF	3/4-inch	
26100BPQ362SCF	1-inch	

1200mm* UNBRAIDED "NPVF"

2650NPVF482SCF	1/2-inch	
2675NPVF482SCF	3/4-inch	
26100NPVF482SCF	1-inch	

1200mm* BRAIDED "BPQ"

2650BPQ482SCF	1/2-inch	
2675BPQ482SCF	3/4-inch	
26100BPQ482SCF	1-inch	

1500mm* UNBRAIDED "NPVF"

2650NPVF602SCF	1/2-inch	
2675NPVF602SCF	3/4-inch	
26100NPVF602SCF	1-inch	

1500mm* BRAIDED "BPQ"

2650BPQ602SCF	1/2-inch	
2675BPQ602SCF	3/4-inch	
26100BPQ602SCF	1-inch	

*Alternative lengths available: 300, 600 & 1800, as special order. If purchasing hoses without a restrainer, there is a dismantling charge added to the base price of the gas hose.



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PEST CONTROL

DORMONT GAS HOSES



WHAT IS THE DORMONT SAFETY SYSTEM PLUS™?

IT'S WHEN YOU COMBINE THE FOLLOWING, to make The 'Ultimate' Gas Hose:



Dormont's braided hose



1 Safety Quik



2 SwivelMax



1 coiled restrainer



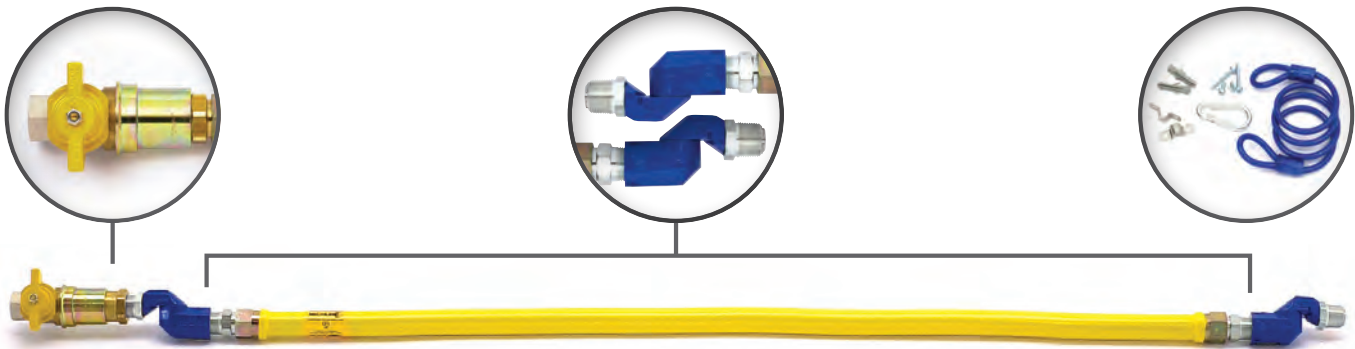
Only braided hoses are used to create the **Safety System Plus™**. Braided hoses **resist the wear & tear** that can stretch other hoses and cause the hose to deteriorate over time.

With the Safety System Plus you can enjoy a **lifetime warranty** on the hose for the life of the original appliance to which it is connected. *For more details on conditions of warranty, contact Mechline.

THE ULTIMATE IN SAFETY & PERFORMANCE WITH LIMITED LIFETIME WARRANTY*



SAFETY SYSTEM PLUS™ PACKAGE



Safety System Plus™ Dormont Gas Hoses

To qualify for Lifetime Warranty, all hoses must be supplied complete with 1x Braided Gas Hose, 2x Swivels, 1x Safety Quik + 1x coiled restraining cable.

Model	Inside dia.	Model	Inside dia.	Model	Inside dia.
1000mm		1200mm*		1500mm*	
2650BPQ362SCF-RC36	½-inch	2650BPQ482SCF-RC48	½-inch	2650BPQ602SCF-RC60	½-inch
2675BPQ362SCF-RC36	¾-inch	2675BPQ482SCF-RC48	¾-inch	2675BPQ602SCF-RC60	¾-inch
26100BPQ362SCF-RC36	1-inch	26100BPQ482SCF-RC48	1-inch	26100BPQ602SCF-RC60	1-inch

SPARE PARTS

Straight Restrainer

With mounting hardware



Model	Length
Coiled	
RS36	1000mm
RS48	1200mm
RS60	1500mm

Coiled Restrainer

With mounting hardware



Model	Length
Straight	
RC36	1000mm
RC48	1200mm
RC60	1500mm

Quick-Disconnect Coupling



Model	Fitting Size
F50C	1/2-inch
F75C	3/4-inch
F100C	1-inch
F125C	1-1/4-inch



Model	Fitting Size
CF50	½-inch
CF75	¾-inch
CF100	1-inch



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GAS CONNECTIONS & ACCESSORIES

CATERCONNEX

HIGH-QUALITY MAINTENANCE FREE REGULATORS DESIGNED FOR COMMERCIAL COOKING APPLIANCES

COMPACT REGULATORS



Compact Gas Regulators/Governors

For use with natural gas or LPG commercial catering equipment - can be installed vertical or horizontally.

Model	Gas Port Size
C-GR038	3/8-inch
C-GR050	1/2-inch
C-GR075	3/4-inch

C-GR038



C-GR050



C-GR075

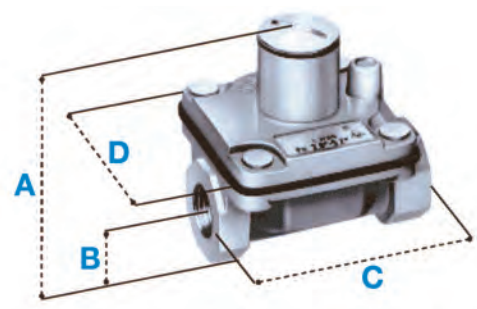
SPECIFICATIONS

- **Connections:** 3/8, 1/2 and 3/4-inch - other sizes available on request
- **Housing Material:** Aluminium, cast iron [RV 131]
- **Internal Components:** Steel, aluminium, elastomer
- **Mounting:** Suitable for multi-positional mounting. Install with gas flowing as indicated by the arrow on bottom casting
- **Construction and Design:** According to EN 88 and Gas Appliances Directive 90/396/EEC
- **Classification:** Regulator grade B, group 2 according to EN 88
- **Gas Type:** gas family 1, 2, and 3 according to EN 437
- **Inlet Pressure:** 100 mbar
- **Outlet Pressure:** 2.5 to 30 mbar (standard pressure is Orange @ 10-20 mbar)*
- **Ambient Temperature Range:** -15°C to 80°C
- **Thread Connections:** According to ISO 7-1, EN 10226-1 and DIN 2999 part 1
- **Pressure Drop:** Please refer to the following pages

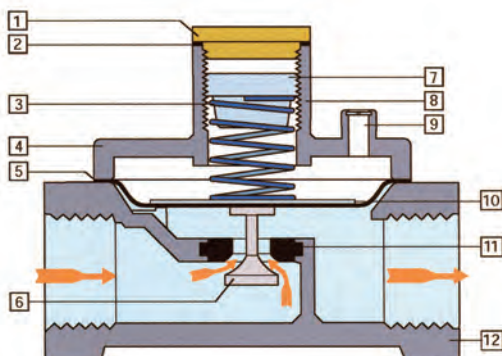
***NB:**
For different pressures, springs are available - POA

DIMENSIONS & COMPOSITION

C-GR038 & C-GR050	Outer Dims	
Pipe Sizes: C-GR038 Rp 3/8-in C-GR050 Rp 1/2-in	A = 65mm	B = 16mm
Capacity: 2.8 m ³ /h air @ 2.5 mbar pressure drop Weight: 0.17kg	C = 75mm	D = 65mm
C-GR075	Outer Dims	
Pipe Sizes: Rp 3/4-in	A = 70mm	B = 19mm
Capacity: 6.0 m ³ /h air @ 2.5 mbar pressure drop Weight: 0.26kg	C = 85mm	D = 75mm



NB: dims are to be used only as an aid in designing clearance for the valve. Actual production dims may vary somewhat from those shown.



- | | |
|-------------------|---------------------|
| 1 Seal Cap | 7 Adjusting Screw |
| 2 Seal Cap Gasket | 8 Stack |
| 3 Spring | 9 Vent |
| 4 Top Housing | 10 Diaphragm Plates |
| 5 Diaphragm | 11 Rubber Seat |
| 6 Stem & Valve | 12 Bottom Housing |



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GAS CONNECTIONS & ACCESSORIES

CATERCONNEX

COMPACT REGULATORS



OUTLET PRESSURES

Different outlet pressure ranges can be achieved by changing the spring. This is accomplished by removing seal cap and adjusting the screw.

For other outlet pressures, easily interchangeable springs are available. Spring colour coding, as follows:

Gas Pressure Range	Colour
2.5-9 mbar	Brown
7-13 mbar	Silver
10-20 mbar (standard issue)	Orange
10-30 mbar (for models: C-GR038 & C-GR050)	Violet
20-30 mbar (for models: C-GR038 & C-GR050)	Blue
12.5-30 mbar (for model: C-GR075)	

NOTE: Standard pressure is Orange. If different outlet pressure is needed, review the above chart for appropriate colour to EN 88

The capacity of any regulator is not an absolute value but will vary with the application depending on the prevailing differential.

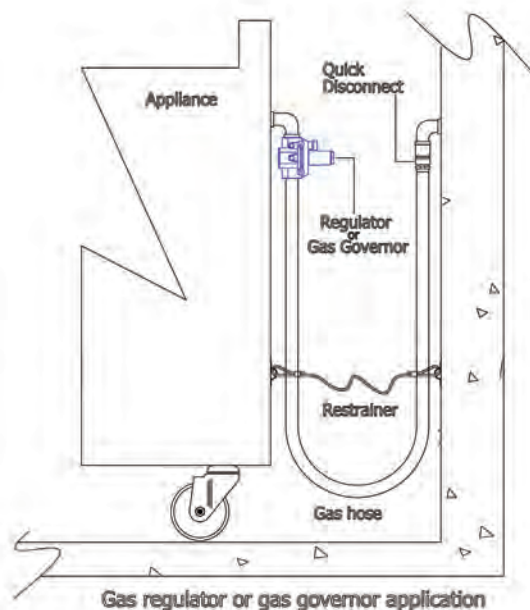
SIZING A REGULATOR

When sizing a regulator the following must be known:

- Available Inlet Pressure
- Desired Outlet Pressure
- Required maximum flow rate in m³/h or kW
- Pipe Size
- Will the regulator be used for main burner and pilot application OR main burner only?
- Is positive dead-end lock-up required?
- Is it a zero governor application?

NB: Please contact Mechline directly for more information on sizing a regulator.

CORRECT INSTALLATION OF CATERCONNEX-GAS REGULATORS



TECHNICAL PARAMETERS

C-GR038

Pipe Sizes:	Rp 3/8-in
P _a max/pimax mbar:	100
P _r range mbar:	2.5 - 30 (*outlet pressure depends on spring colour option)

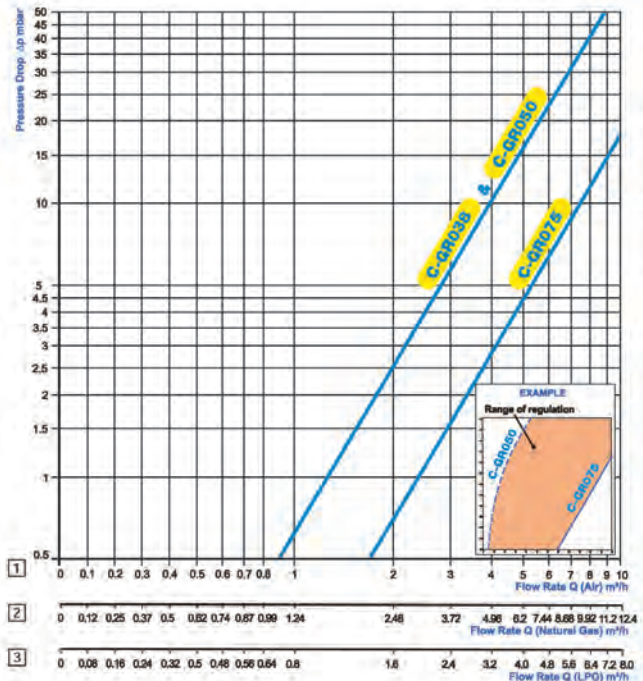
C-GR050

Pipe Sizes:	Rp 1/2-in
P _a max/pimax mbar:	100
P _r range mbar:	2.5 - 30 (*outlet pressure depends on spring colour option)

C-GR075

Pipe Sizes:	Rp 3/4-in
P _a max/pimax mbar:	100
P _r range mbar:	2.5 - 30 (*outlet pressure depends on spring colour option)

PRESSURE DROP CHART



1 = Air
dv = 1.00
f = 1.00

2 = Natural Gas
dv = 0.64
f = 1.24

3 = LPG
dv = 1.56
f = 0.80

$$dv = \frac{\rho_{air}}{\rho_{gas}}$$

$$f = \sqrt{\frac{\rho_{air}}{\rho_{gas}}}$$

$$\dot{V}_{gas} = f \cdot \dot{V}_{air}$$



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CATERCONNEX

GAS BALL VALVES



Mechline's range of CaterConnex-Gas Ball Valves is ideal for meeting the new BS standards.

Gas Ball Valves*

- High-Quality Ball Valves
- Brass nickel plated
- Full bore, PTFE seals
- PVC coated steel lever
- NBR stem O'rings
- Anti-blowout stem
- Use with any gas hose, including **Dormont** gas hoses

Parallel Threads



For use with all gas families - Advantica Certified EN331, European Made CE1115

Compression End Fitting



Model	Fitting Size	Body Length
Parallel Threads*		
C-BV050	½-inch	56.3mm
C-BV075	¾-inch	64.5mm
C-BV100	1-inch	79.2mm
C-BV125	1¼-inch	88.7mm
C-BV150	1½-inch	98.3mm
C-BV200	2-inch	119.8mm
Compression End Fittings* - Special Order		
C-BV050-C	15mm	70.5mm
C-BV075-C	22mm	80mm

*NB: For TAPER END FITTINGS, other sizes, or for further information, please contact Mechline.

IMPORTANT: BS6173:2009 requires a manual isolation valve to enable each individual appliance to be isolated.

CATERGUARD

GAS INTERLOCKS (GIS UNITS) ARE MANDATORY FOR MOST COMMERCIAL KITCHENS AND REQUIRE A NUMBER OF COMPONENTS. CHOOSE FROM A VARIETY OF MODELS TO FIND THE MODEL BEST FOR YOUR APPLICATION.

GIS UNITS WITH INTEGRAL COMPONENTS
One compact unit saves time on installations!



See pages 95-99 for details