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Short Form Catalogue

2024 /
2025

Delivering Innovative Gas Mixing Solutions Since 1990



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GasMix FW1

The GasMix FW Panel range is a versatile and efficient solution for industries requiring precise gas mixtures.

The GasMix FW Panel can be configured to provide either a pre-set mixture determined by the customer or an adjustable mixture. The mechanical nature of the mixing process means that no electrical supply is required, enhancing the reliability and robustness of the panel.

PARAMETER	VALUE
Flow Rate	25 Nm ³ /hr
Dimensions	385 mm x 500 mm x 190 mm
Weight	14 kg
Supply Gases	All common industrial gases
Outlet Options	Up to 3 mixed gas ratios
Inlet & Outlet	G1/2
Connections	

KEY FEATURES:

- Fully customisable
- Sized to your application
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design



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GasMix FW2

The GasMix FW Panel range is a versatile and efficient solution for industries requiring precise gas mixtures.

The GasMix FW Panel can be configured to provide either a pre-set mixture determined by the customer or an adjustable mixture. The mechanical nature of the mixing process means that no electrical supply is required, enhancing the reliability and robustness of the panel.

PARAMETER	VALUE
Flow Rate	50 Nm ³ /hr
Dimensions	385 mm x 500 mm x 190 mm
Weight	18 kg
Supply Gases	All common industrial gases
Outlet Options	Up to 3 mixed gas ratios
Inlet & Outlet	G1/2
Connections	

KEY FEATURES:

- Fully customisable
- Sized to your application
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design



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GasMix FW3


The GasMix FW Panel range is a versatile and efficient solution for industries requiring precise gas mixtures.


The GasMix FW Panel can be configured to provide either a pre-set mixture determined by the customer or an adjustable mixture. The mechanical nature of the mixing process means that no electrical supply is required, enhancing the reliability and robustness of the panel.


PARAMETER	VALUE
Flow Rate	100 Nm ³ /hr
Dimensions	385 mm x 500 mm x 190 mm
Weight	22 kg
Supply Gases	All common industrial gases
Outlet Options	Up to 3 mixed gas ratios
Inlet & Outlet	G1/2
Connections	


KEY FEATURES:


- Fully customisable
- Sized to your application
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design

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FWX Panel Assembly


The GasMix FWX panel assembly, which consists of a floor stand and correctly specified gas filters with additional options, including Leak Detectors and relief valves, is designed to go with our GasMix FW panels.


With all the benefits of the original pressure mechanical design of our GasMix FW panels, the GasMix FWX assembly help to consolidate this equipment into a neat package.


PARAMETER	VALUE
Dimensions	376 mm x 1197 mm x 190 mm
Weight	Varies upon application
Supply Gases	All common industrial gases


KEY FEATURES:


- Floor standing or wall-mountable
- Fully pressure mechanical design
- Suitable for outdoor use
- Perfect for integrating into existing processes
- Easy dismounting and mounting for maintenance

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GasMix FW5


The GasMix FW Panel range is a versatile and efficient solution for industries requiring precise gas mixtures.


The GasMix FW Panel can be configured to provide either a pre-set mixture determined by the customer or an adjustable mixture. The mechanical nature of the mixing process means that no electrical supply is required, enhancing the reliability and robustness of the panel.


PARAMETER	VALUE
Flow Rate	150 Nm ³ /hr
Dimensions	385 mm x 500 mm x 190 mm
Weight	55 kg
Supply Gases	All common industrial gases
Outlet Options	Up to 3 mixed gas ratios
Inlet & Outlet	Inlets ½" BSP, outlet G3/4
Connections	


KEY FEATURES:


- Fully customisable
- Sized to your application
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design

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GasMix FW6


The GasMix FW Panel range is a versatile and efficient solution for industries requiring precise gas mixtures.


The GasMix FW Panel can be configured to provide either a pre-set mixture determined by the customer or an adjustable mixture. The mechanical nature of the mixing process means that no electrical supply is required, enhancing the reliability and robustness of the panel.


PARAMETER	VALUE
Flow Rate	250 Nm ³ /hr
Dimensions	800 mm x 800 mm x 300
Weight	mm
Supply Gases	75 kg
Outlet Options	All common industrial gases
Inlet & Outlet	Up to 3 mixed gas ratios
Connections	Inlets ½" BSP, outlet G3/4


KEY FEATURES:


- Fully customisable
- Sized to your application
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design

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CF5000 System

The CF5000 System is built for high flows up to 200 Nm³/hr under low-pressure conditions.

Built for high flows of up to 200 Nm³/hr under low-pressure conditions, the CF5000 consists of three simple parts: the gas mixer, the gas analyser and the stand, making it the ultimate simple-to-use, low-pressure solution for inert gases.

PARAMETER	VALUE
Flow Rate	200 Nm ³ /hr
Dimensions	600 mm x 600 mm x 300
Weight	mm
Supply Gases	75.0 kg
Outlet Options	All common industrial gases
Inlet & Outlet	Up to 2 mixed gas ratios
Connections	G1/2

KEY FEATURES:

- Fully customisable
- Designed for use in low-pressure conditions
- Operates normally against pressure in a buffer tank
- Available in pre-set mixtures or adjustable against a gas analyser
- Gas pressure balancing for constant flow



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CellarMix Panel

Built to mix CO₂ and N₂ for breweries and pub cellars, the CellarMix panel is a fully mechanical panel designed to dispense gases up to 4 bar g.

Our popular CellarMix panel range is specially designed to mix beverage dispensing gases in accordance with the Beer Dispense Code of Practice.

PARAMETER	VALUE
Flow Rate	Up to 2.4 Nm ³ /hr
Dimensions	385 mm x 270 mm x 118 mm
Weight	4.5 to 5.2 kg
Supply Gases	CO ₂ / N ₂ / mixed gas
Outlet Options	Up to 4 mixed gas ratios
Inlet & Outlet	3/8 Tubing (Push-in fittings)
Connections	

KEY FEATURES:

- Fully customisable
- Up to 4 mixed gas outlets per panel
- Pre-set for optimal mixed gas configurations
- Optional flow rate adjustment
- Self-contained, compact design
- Low-pressure outlet gas regulators
- Fully mechanical design



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GasMix GM Series

Our GasMix GM Series consists of the GMT, GMB & Twin Mix units, built to blend two or more gases whilst allowing for greater process control and efficiency.

Our GM Series of gas mixing units consists of the GMT, GMB and Twin Mix units. These gas mixing units work by combining two or more industrial gases to create a specific gas mixture with a controlled ratio.

PARAMETER	VALUE
Flow Rate	Up to 20 Nm ³ /hr
Dimensions	166 mm x 370 mm x 205 mm
Weight	7.0 to 13.0 kg
Supply Gases	All common industrial gases
Outlet Options	Up to 2 mixed gas ratios
Inlet & Outlet	G1/4
Connections	

KEY FEATURES:

- Fully customisable
- Optional pre-set mixed gas ratios
- Suitable for all common industrial gases
- Reliable, compact design

GMB - 1 outlet blend - flow rates up to 9 Nm³/hr

GMT - 1 outlet blend - flow rates up to 20 Nm³/hr

Twin Mix - 2 outlet blends - flow rates up to 12 Nm³/hr



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What does a typical FW panel installation look like?

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TMB92AN217 Gas Mixing Valve


The TMB92AN217 gas mixing valve is designed for precise control of inert gas applications, including combinations of carbon dioxide (CO₂), argon (Ar), helium (He), nitrogen (N₂) and hydrogen (H₂).


The TMB92AN217 ensures accurate gas blending across a wide range of industrial applications, making it ideal for environments requiring consistent gas mixing of two inert gases.

PARAMETER	VALUE
Flow Rate	Up to 25 Nm ³ /hr
Dimensions	125 mm x 110 mm x 60 mm
Weight	1.8 to 4.2 kg
Supply Gases	All common industrial gases
Design Pressure	Up to 30 bar g
Operating Temperature	-20°C to +50°C

KEY FEATURES:


- 2 mixed gas outlets available
- Robust, reliable design
- Available pre-set
- Accurate gas mixing
- Gas pressure balancing for constant flow
- Customisable gas mix ratios, tailored to your application

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TMB92BV217 Gas Mixing Valve


The TMB92BV217 gas mixing valve is designed for precise control in hazardous 2-gas applications, specifically oxygen (O₂) and nitrous oxide (N₂O).


Engineered for safety and reliability, the TMB92BV217 ensures accurate gas mixing in environments where the controlled and safe handling of hazardous gases is critical.


PARAMETER	VALUE
Flow Rate	Up to 25 Nm ³ /hr
Dimensions	385 mm x 270 mm x 118 mm
Weight	4.5 to 5.2 kg
Supply Gases	O ₂
Design Pressure	Up to 30 bar g
Operating Temperature	-20°C to +50°C


KEY FEATURES:


- Built for use with hazardous gases
- 2 mixed gas outlets available
- Robust, reliable design
- Available pre-set
- Accurate gas mixing
- Gas pressure balancing for constant flow

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TMB93BV227 Gas Mixing Valve

The TMB93BV227 gas mixing valve is designed for precise control in hazardous 3-gas applications, specifically oxygen (O₂) and nitrous oxide (N₂O).

Engineered for safety and reliability, the TMB93BV227 ensures accurate gas mixing in environments where the controlled and safe handling of hazardous gases is critical.

PARAMETER	VALUE
Flow Rate	Up to 25 Nm ³ /hr
Dimensions	385 mm x 270 mm x 118 mm
Weight	4.5 to 5.2 kg
Supply Gases	O ₂
Design Pressure	Up to 30 bar g
Operating Temperature	-20°C to +50°C

KEY FEATURES:

- Built for use with hazardous gases
- 3 mixed gas outlets available
- Robust, reliable design
- Available pre-set
- Accurate gas mixing
- Gas pressure balancing for constant flow



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TMB94AN223 Gas Mixing Valve

The TMB94AN223 gas mixing valve is designed for precise control in 2-gas applications, offering dual mix outputs for gases such as carbon dioxide (CO₂), helium (He), argon (Ar), nitrogen (N₂), and hydrogen (H₂).

Built for precision and flexibility, the TMB94AN223 ensures consistent and accurate gas blending, making it ideal for industrial environments that require reliable mixing of two gases simultaneously.

PARAMETER	VALUE
Flow Rate	Up to 25 Nm ³ /hr
Dimensions	25 mm x 110 mm x 60 mm
Weight	1.8 to 4.2 kg
Supply Gases	All common industrial gases
Design Pressure	Up to 30 bar g
Operating Temperature	-20°C to +50°C

KEY FEATURES:

- 2 mixed gas outlets available
- Robust, reliable design
- Available pre-set
- Accurate gas mixing
- Gas pressure balancing for constant flow
- Customisable gas mix ratios, tailored to your application



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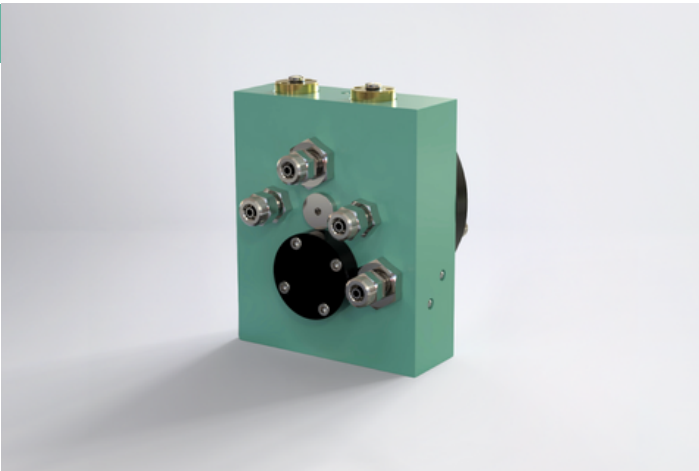
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BJ00001 Gas Mixing Valve

The BJ00001 gas mixing valve is designed for low-flow inert gas applications, providing precise control and reliable mixing of two gases.

With dual output capabilities, it ensures consistent and accurate gas blending, making it ideal for industries requiring efficient low-volume inert gas combinations.

PARAMETER	VALUE
Flow Rate	Up to 2.4 Nm ³ /hr per mix
Dimensions	113 mm x 88 mm x 66 mm
Weight	1.1 kg
Supply Gases	CO ₂ / N ₂ / mixed gas
Design Pressure	Up to 13 bar g
Operating Temperature	-20°C to +50°C

KEY FEATURES:

- 2 mixed gas outlets available
- Robust, reliable design
- Available pre-set
- Accurate gas mixing
- Gas pressure balancing for constant flow
- Customisable gas mix ratios, tailored to your application



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BU0000001 Gas Mixing Valve

The BU0000001 gas mixing valve is designed for low flow inert gas applications, providing precise control over two-gas mixtures.

With three mix outputs, the BU0000001 ensures reliable and accurate gas blending, making it ideal for industrial settings that require consistent, low-volume gas mixing of inert gases such as nitrogen (N₂), argon (Ar), or carbon dioxide (CO₂).

PARAMETER	VALUE
Flow Rate	Up to 2.4 Nm ³ /hr per mix
Dimensions	113 mm x 107 mm x 66 mm
Weight	1.3 kg
Supply Gases	CO ₂ / N ₂ / mixed gas
Design Pressure	13 bar g
Operating Temperature	-10°C to +50°C

KEY FEATURES:

- 3 mixed gas outlets available
- Robust, reliable design
- Accurate gas mixing
- Gas pressure balancing for constant flow
- Customisable gas mix ratios, tailored to your application



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Beverage Dispensing



FR131F Combination Filter

Our combination filters play a critical role in maintaining the quality of gas mixtures by performing several key functions.

They effectively remove solid particles like dust and contaminants from the gas stream, safeguarding sensitive equipment and preventing interference with accurate gas flow measurements.

PARAMETER	VALUE
Dimensions	190 mm x 200 mm x 82 mm
Weight	2.5 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4 adaptor
Replacement Elements	FR132E and FR133E

KEY FEATURES:

- Ensures systems remain moisture, hydrocarbon & aerosol free
- Simple installation & maintenance
- Dual-stage filtration process
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option



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FR161F Combination Filter

Our combination filters play a critical role in maintaining the quality of gas mixtures by performing several key functions.

They effectively remove solid particles like dust and contaminants from the gas stream, safeguarding sensitive equipment and preventing interference with accurate gas flow measurements.

PARAMETER	VALUE
Dimensions	190 mm x 260 mm x 82 mm
Weight	3.5 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4 adaptor
Replacement Elements	FR162E and FR163E

KEY FEATURES:

- Ensures systems remain moisture, hydrocarbon & aerosol free
- Simple installation & maintenance
- Dual-stage filtration process
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option



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FR132F Coalescing Filter

Our coalescing filters are specifically engineered to address the critical need for removing moisture and particulates from all industrial gases.

Designed with precision and efficiency in mind, these filters play a crucial role in ensuring the purity and reliability of gas streams, thereby enhancing the performance and longevity of downstream equipment and processes.

PARAMETER	VALUE
Dimensions	82 mm x 200 mm x 82 mm
Weight	1.0 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4 adaptor
Replacement Elements	FR132E

KEY FEATURES:

- Ensures gas systems remain moisture & aerosol free
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option
- Simple installation
- Easy maintenance



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FR162F Coalescing Filter

Our coalescing filters are specifically engineered to address the critical need for removing moisture and particulates from all industrial gases.

Designed with precision and efficiency in mind, these filters play a crucial role in ensuring the purity and reliability of gas streams, thereby enhancing the performance and longevity of downstream equipment and processes.

PARAMETER	VALUE
Dimensions	82 mm x 260 mm x 82 mm
Weight	1.5 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4 adaptor
Replacement Elements	FR162E

KEY FEATURES:

- Ensures gas systems remain moisture & aerosol free
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option
- Simple installation
- Easy maintenance



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FR133F Adsorbing Filter

Our adsorbing filters are specifically engineered for hydrocarbon removal from all the major gases used across industrial and commercial applications.

Designed for precision, these filters are exceptionally effective in capturing and eliminating hydrocarbons, which can pose serious contamination risks and operational challenges if left unchecked.

PARAMETER	VALUE
Dimensions	82 mm x 200 mm x 82 mm
Weight	1.0 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4 adaptor
Replacement Elements	FR133E

KEY FEATURES:

- Ensures gas systems remain moisture & hydrocarbon free
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option
- Simple installation
- Easy maintenance



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FR163F Adsorbing Filter

Our adsorbing filters are specifically engineered for hydrocarbon removal from all the major gases used across industrial and commercial applications.

Designed for precision, these filters are exceptionally effective in capturing and eliminating hydrocarbons, which can pose serious contamination risks and operational challenges if left unchecked.

PARAMETER	VALUE
Dimensions	82 mm x 260 mm x 82 mm
Weight	1.5 kg
Supply gases	All common industrial gases
Micron Size	0.01 microns
Inlet & Outlet Threads	G1/2 + optional G1/4
Replacement Elements	FR163E

KEY FEATURES:

- Ensures gas systems remain moisture & hydrocarbon free
- Ready to use straight out of the box
- Removable bowls for easy filter change
- Bottom drain option
- Simple installation
- Easy maintenance



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Beer Check Gas Analyser

The Beer Check Gas Analyser was created to help brewers, distributors and end users check the quality and mixture of gases used to serve their beverages.

The Beer Check can be used to analyse carbon dioxide (CO₂) in nitrogen (N₂) used for beer dispensing and other related applications, alongside oxygen (O₂) in the output of nitrogen generators (N₂) to identify leaks in gas mixing systems.

PARAMETER	VALUE
Dimensions	76 mm x 152 mm x 44 mm
Weight	0.3 kg
Monitored Gas	CO ₂
Background Gas	N ₂ / mixed gas
Operating Voltage	3.2 V
Operating Temperature	-15°C to +50°C

KEY FEATURES:

- Small and light design for portable gas analysis
- Touch screen display
- No mains electricity supply required during analysis
- Rechargeable battery and USB wall charger
- Compatible with any 5 V USB power source
- Gas temperatures displayed in Fahrenheit and Celsius



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ViewMix AP Portable Analyser

Our ViewMix AP Series Analyser offers a comprehensive solution for gas mixing industry professionals.

With an ultra-easy interface and everything you need to monitor, analyse and report (CO₂) levels on-the-go, including a built-in USB charging port and carry handle, the ViewMix AP is designed and built for convenience.

PARAMETER	VALUE
Dimensions	220 mm x 305 mm x 176 mm
Weight	7.3 kg
Monitored Gas	CO ₂
Background Gas	Specified upon application
Operating Voltage	24 V
Operating Temperature	0°C to +45°C

KEY FEATURES:

- Portable design and carry case
- Dual-wavelength non-dispersive infrared sensor
- Ultra-fast measurements with accurate results displayed on screen
- 8-hour battery life and built-in USB charging port
- 4-20 mA output for easy data-logging and analysis
- Versatile usage across a myriad of applications



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ViewMix AW Analyser


The ViewMix AW range of gas analysers are a wall or frame mounted gas analyser, designed to measure carbon dioxide (CO₂) gas volumes within another known common industrial gas.


The ViewMix AW comes complete with a high-quality, dual wavelength non-dispersive infra-red sensor for the 2-gas combination you are measuring.


PARAMETER	VALUE
Dimensions	540 mm x 430 mm x 230 mm
Weight	12 kg
Monitored Gas	CO ₂
Background Gas	Specified upon order
Operating Voltage	110-240 VAC, 50-60Hz
Operating Temperature	0°C to +40°C


KEY FEATURES:


- Ultra-quick and accurate gas mixture analysis
- Non-dispersive infra-red CO₂ detector with display
- Reliable and robust
- Simple installation and operation
- High and low mix alarm setting with volt free contacts.

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BO148 MFCV

The BO148 Mass Flow Control Valve (MFCV) has an outlet flow rate of 1.8 Nm³/hr.

Our mass flow control valves are engineered to maintain a constant flow rate despite variations in downstream pressure. They operate by adjusting the size of the opening through which the gas flows, ensuring precise control over the gas quantity in various industrial applications.

PARAMETER	VALUE
Flow Rate	1.8 Nm ³ /hr
Dimensions	47 mm x 38 mm
Weight	0.17 kg
Supply Gases	All industrial gases minus O ₂
Outlet Options	1 mixed gas ratio
Inlet & Outlet	G1/8" (BSP parallel female)
Connections	

KEY FEATURES:

- Fully adjustable
- Easy to operate
- Accurate gas flow rate
- Compatible with all common industrial gases
- Robust and reliable
- Ready to use straight from the box



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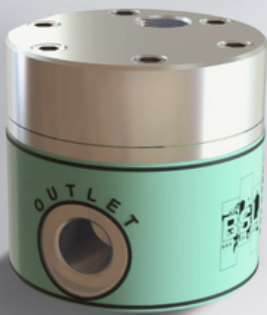
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BO134 MFCV

The BO134 Mass Flow Control Valve (MFCV) has an outlet flow rate of 30 Nm³/hr.

Our mass flow control valves are engineered to maintain a constant flow rate despite variations in downstream pressure. They operate by adjusting the size of the opening through which the gas flows, ensuring precise control over the gas quantity in various industrial applications.

PARAMETER	VALUE
Flow Rate	30 Nm ³ /hr
Dimensions	72 mm x 63 mm
Weight	0.5 kg
Supply Gases	All industrial gases minus O ₂
Outlet Options	1 mixed gas ratio
Inlet & Outlet	G1/4" (BSP parallel female)
Connections	

KEY FEATURES:

- Fully adjustable
- Easy to operate
- Accurate gas flow rate
- Compatible with all common industrial gases
- Robust and reliable
- Ready to use straight from the box



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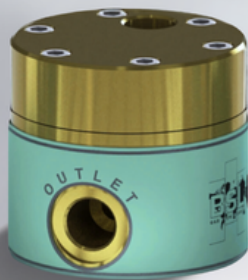


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BO396 MFCV



The BO396 Mass Flow Control Valve (MFCV) has an outlet flow rate of 96 Nm³/hr and is designed for use with oxygen (O₂).

Our mass flow control valves are engineered to maintain a constant flow rate despite variations in downstream pressure. They operate by adjusting the size of the opening through which the gas flows.

PARAMETER	VALUE
Flow Rate	Up to 96 Nm ³ /hr
Dimensions	83 mm x 88 mm
Weight	3.8 kg
Supply Gases	O ₂
Outlet Options	1 mixed gas ratio
Inlet & Outlet	G1/2" (BSP parallel female)
Connections	

KEY FEATURES:

- Designed for use with oxygen (O₂)
- Fully adjustable
- Easy to operate
- Accurate gas flow rate
- Compatible with all common industrial gases
- Robust and reliable
- Ready to use straight from the box



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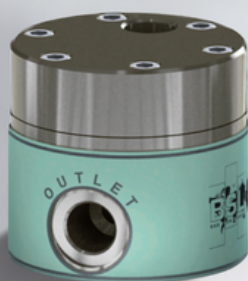


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BO104 MFCV



The BO104 Mass Flow Control Valve (MFCV) has an outlet flow rate of 96 Nm³/hr.

Our mass flow control valves are engineered to maintain a constant flow rate despite variations in downstream pressure. They operate by adjusting the size of the opening through which the gas flows, ensuring precise control over the gas quantity in various industrial applications.

PARAMETER	VALUE
Flow Rate	Up to 96 Nm ³ /hr
Dimensions	83 mm x 88 mm
Weight	3.8 kg
Supply Gases	All industrial gases minus O ₂
Outlet Options	1 mixed gas ratio
Inlet & Outlet	G1/2" (BSP parallel female)
Connections	

KEY FEATURES:

- Fully adjustable
- Easy to operate
- Accurate gas flow rate
- Compatible with all common industrial gases
- Robust and reliable
- Ready to use straight from the box



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BO258 MFCV

The BO258 Mass Flow Control Valve (MFCV) has an outlet flow rate of 300 Nm³/hr.

Our mass flow control valves are engineered to maintain a constant flow rate despite variations in downstream pressure. They operate by adjusting the size of the opening through which the gas flows, ensuring precise control over the gas quantity in various industrial applications.

PARAMETER	VALUE
Flow Rate	300 Nm ³ /hr
Dimensions	150 mm x 126 mm
Weight	4 kg
Supply Gases	All industrial gases minus O ₂
Outlet Options	1 mixed gas ratio
Inlet & Outlet	G1" (BSP parallel female)
Connections	

KEY FEATURES:

- Fully adjustable
- Easy to operate
- Accurate gas flow rate
- Compatible with all common industrial gases
- Robust and reliable
- Ready to use straight from the box



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