



Oxygen therapy, Suction therapy, Air Oxygen Blenders



OXYGEN & SUCTION THERAPY

Flowmeters with Humidifiers | Medical Gas Regulators | Air/Oxygen Blenders | Suction Regulators | Collection Systems

Solutions for Life

OXYGEN THERAPY

Flowmeters with Humidifiers

Solutions for Life

Flowmeter

- Polycarbonate outer and inner tubes for maximum durability and service life
 - Dual-sided scale, easy to read dual-sided scale covers 180 degrees viewing angles
 - Elongated Scale, provides better visual accuracy from 0-5 LPM. The scaling from 0-5 LPM covers half the flowtube
 - Back pressure compensated and calibrated at 50* psi
 - Anti-burst
- * Calibration pressure of 65 psi is also available

Dual-side Scale



Fittings

- CGA 1240 connection
- Easily connects with humidifiers or nebulizers

Pressure relief valve

- Pressure relief valve on cover to vent excess pressure

Filter

- Internal micro filter prevents inhalation of debris
- Reusable

Type of inlet adapter

- 00: No adapter (1/8" Female NPT)
- OH: Ohmeda® adapter
- DS: DISS hex adapter
- DH: DISS Handwheel adapter
- CH: Chemetron® adapter
- PB: Puritan-Bennett® adapter
- FS: French (NF S 90-116) adapter
- GS: German (DIN 13260-2) adapter
- BS: British (BS5682-1998) adapter
- JIS: Japanese Style adapter
- SIS: Australian (AS2896) adapter

Control Knob

- Allows steady adjustment of flowrate
- Aluminum construction for durability
- Color Coding available in ISO 32 or NFPA 99

Humidifier

- Our reusable series is designed to be autoclavable up to 121°C during disinfecting procedures
- DISS 1240 inlet adapter
- Polycarbonate bottles are impact resistant for maximum durability and service life



FM897A-15L2-OH
Flowmeter with Humidifier
Oxygen(0-15L) OH inlet adapter

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FM19X & FM18X Series Medical Flowmeters

Oxygen Flowmeters



FM191-15L-XX
Square Tube
Chrome-plated
Brass Body

FM197A-15L-XX
Round Tube
Anodized Aluminum
Body

FM197B-15L-XX
Round Tube
Chrome-plated
Brass Body

Air Flowmeters



FM181-15L-XX
Square Tube
Chrome-plated
Brass Body

FM187A-15L-XX
Round Tube
Anodized Aluminum
Body

FM187B-15L-XX
Round Tube
Chrome-plated
Brass Body

Features

- Slim body flowmeter
- Available in anodized aluminum (FM197A, FM187A) or chrome-plated brass body (FM191, FM197B, FM181, FM187B)
- Polycarbonate tubes for maximum durability

- Back-pressure compensated
- Flow range: 0~15 LPM
- Calibrated at 50* psi
- CE listed

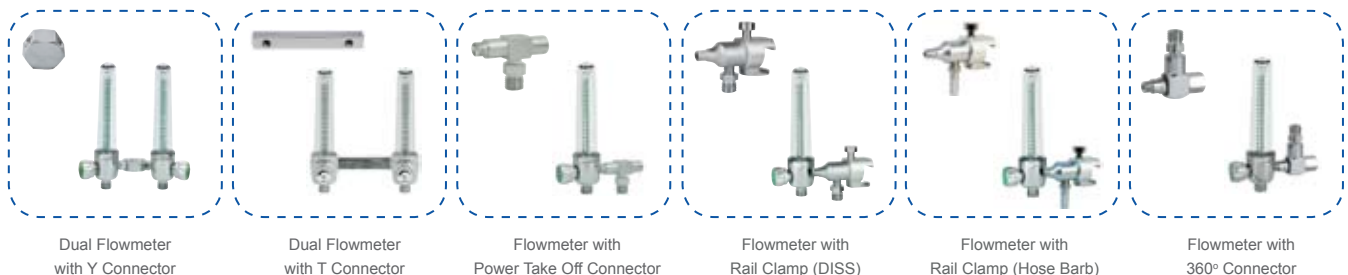
* Optional calibration for 65 psi available. This option shall come with ISO 32 color coding. Please add "E" after liters per minute.

Example: FM191-15LE-XX

For ISO 32 colors with 50 psi calibration please add "E" after the connector

Example: FM197A-15L-00E

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Dual Flowmeter
with Y Connector

Dual Flowmeter
with T Connector

Flowmeter with
Power Take Off Connector

Flowmeter with
Rail Clamp (DISS)

Flowmeter with
Rail Clamp (Hose Barb)

Flowmeter with
360° Connector

FM293 Series Neonatal, Perinatal and Specialty Flowmeters

Oxygen Flowmeters



FM293-200CC-X



FM293-1L-X



FM293-3L-X



FM293-16L-X



FM293-75L-X

Air Flowmeters



FM293-16L-Q



FM293-75L-Q

Features

- Precise flow control
- Range: 200 cc/min, 1LPM, 3LPM, 16LPM, 75LPM
200cc and 1LPM model are designed for perinatal and neonatal applications where extreme accuracy and very low flow is required.
- Acrylic block construction
- Square shape design for easy reading
- Back pressure compensated and calibrated at 50* psi
- Maximum inlet pressure: 100 psi
- Inlet: 1/8" NPT(F), Outlet: 9/16"-18UNF(M)
- Accuracy: 200 cc/min ~ 3 LPM: $\pm 10\%$ full range
16 ~ 75 LPM: $\pm 5\%$ full range

* Optional calibration for 65 psi available. This option shall come with ISO 32 color coding.
Please add "E" after liters per minute. Example: FM293-16LE-X-XX
For ISO 32 colors with 50 psi calibration please add "E" after the connector
Example: FM293-16L-X-00E

Ordering Information

Model Number	Specifications
FM293-200CC-X	Oxygen flowmeter, Back pressure compensated, 200 cc/min, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-1L-X	Oxygen flowmeter, Back pressure compensated, 1 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-3L-X	Oxygen flowmeter, Back pressure compensated, 3 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-16L-X	Oxygen flowmeter, Back pressure compensated, 16 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-75L-X	Oxygen flowmeter, Back pressure compensated, 75 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-16L-Q	Air flowmeter, Back pressure compensated, 16 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)
FM293-75L-Q	Air flowmeter, Back pressure compensated, 75 LPM, Inlet connection: 1/8" NPT(F), Outlet connection: 9/16"-18UNF(M)

Flowmeter Accessories



Dual Flowmeter with Y Connector
Inlet: 1/8" NPT(F)



Dual Flowmeter with T Connector and ISO color coding
Inlet: 1/8" NPT(F)



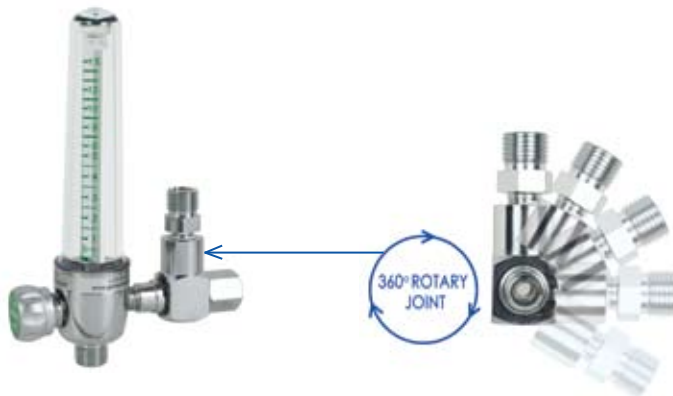
Flowmeter with Power Take Off Connector
Inlet: 1/8" NPT(F) , Outlet: DISS



Flowmeter with Rail Clamp (10*25mm)
Inlet: DISS



Flowmeter with Rail Clamp (10*25mm)
Inlet: 1/4" , 5/16" Hose Barb



Flowmeter with 360° Connector
Inlet: 1/8" NPT(F) , Outlet: DISS



Flowmeter Humidifier with FM-PTO Power Take Off, Ohmeda Adapter, and Retaining Wire.

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Flowmeter Accessories

Solutions for Life

Connectors	Flowmeters					
						
	FM191	FM197A	FM197B	FM181	FM187A	FM187B
 Y-FNT2 Y Connector 3-1/8-NPT(F)	FMD191-15L-XX	FMD197A-15L-XX	FMD197B-15L-XX	FMD181-15L-XX	FMD187A-15L-XX	FMD187B-15L-XX
 T-BFNT2-00 T Connector 3-1/8-NPT(F)	FMD191-15LT-XX	FMD197A-15LT-XX	FMD197B-15LT-XX	FMD181-15LT-XX	FMD187A-15LT-XX	FMD187B-15LT-XX
 FM-PTO, FM-PTA Power Take Off Connector	FM191-15L-P-XX	FM197A-15L-P-XX	FM197B-15L-P-XX	FM181-15L-P-XX	FM187A-15L-P-XX	FM187B-15L-P-XX
 FM197B-20 Rail Clamp	FM191-15L-CL	FM197A-15L-CL	FM197B-15L-CL	FM181-15L-CL	FM187A-15L-CL	FM187B-15L-CL
 FM197B-20-HB4(HB5) Rail Clamp (Hose Barb)	FM191-15L-CP	FM197A-15L-CP	FM197B-15L-CP	FM181-15L-CP	FM187A-15L-CP	FM187B-15L-CP
 FM-IPPB-O(A) 360° Connector	FM191-15L-PT-XX	FM197A-15L-PT-XX	FM197B-15L-PT-XX	FM181-15L-PT-XX	FM187A-15L-PT-XX	FM187B-15L-PT-XX

* XX: Inlet adapter (00, OH, DS, DH, CH, PB, FS, GS, BS, JIS, SIS). Example: FMD191-15L-OH

** For 65 psi calibration pressure, see page 5 and page 6

Flowmeters						
						
FM293-200CC-X	FM293-1L-X	FM293-3L-X	FM293-16L-X	FM293-75L-X	FM293-16L-Q	FM293-75L-Q
FMD293-200CC-X-XX	FMD293-1L-X-XX	FMD293-3L-X-XX	FMD293-16L-X-XX	FMD293-75L-X-XX	FMD293-16L-Q-XX	FMD293-75L-Q-XX
FMD293-200CCT-X-XX	FMD293-1LT-X-XX	FMD293-3LT-X-XX	FMD293-16TL-X-XX	FMD293-75LT-X-XX	FMD293-16LT-Q-XX	FMD293-75LT-Q-XX
FM293-200CC-X-P-XX	FM293-1L-X-P-XX	FM293-3L-X-P-XX	FM293-16L-X-P-XX	FM293-75L-X-P-XX	FM293-16L-Q-P-XX	FM293-75L-Q-P-XX
FM293-200CC-X-CL	FM293-1L-X-CL	FM293-3L-X-CL	FM293-16L-X-CL	FM293-75L-X-CL	FM293-16L-Q-CL	FM293-75L-Q-CL
FM293-200CC-X-CP	FM293-1L-X-CP	FM293-3L-X-CP	FM293-16L-X-CP	FM293-75L-X-CP	FM293-16L-Q-CP	FM293-75L-Q-CP
FM293-200CC-X-PT-XX	FM293-1L-X-PT-XX	FM293-3L-X-PT-XX	FM293-16L-X-PT-XX	FM293-75L-X-PT	FM293-16L-Q-PT-XX	FM293-75L-Q-PT-XX

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* XX: Inlet adapter (00, OH, DS, DH, CH, PB, FS, GS, BS, JIS, SIS). Example: FMD191-15L-OH

** For 65 psi calibration pressure, see page 5 and page 6

OXYGEN THERAPY

Click Style Flowmeters & Oxygen Supply Manifolds

Solutions for Life

Click Style Flowmeter



CFM-8L-OH
Click Style Flowmeter with
Ohmeda inlet adapter



CFM-15L-XX
Click Style Flowmeter

Features

- Available in Oxygen
- Available in 4, 8, 15 and 25 LPM
- Smallest and lightest in the industry
- Smallest increment is 1/32 LPM
- Calibration at 50* psi
- Encased in an anodized aluminum housing
- Easy to read window

* Calibration for different pressures available upon request

Ordering Information

CFM Series		
Model Number (USA)	Model Number (ISO)	Flow Rate (LPM)
CFM-4L-XX	CFM-4LE-XX	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4
CFM-8L-XX	CFM-8LE-XX	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8
CFM-15L-XX	CFM-15LE-XX	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 12, 15
CFM-25L-XX	CFM-25LE-XX	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25

* XX: Inlet adapter (00, OH, DS, DH, CH, PB, FS, GS, BS, JIS, SIS)
Example: CFM-15L-OH

Oxygen Supply Manifold



- Economical and practical
- For EMS and mass casualty situations where multiple patients require oxygen simultaneously
- Consistent pressure
- Manufactured according to CE requirements, compliant to EN 13220

Humidifiers

7100R & 7200R Series

- Reusable
- Polycarbonate bottles are impact resistant for maximum durability and service life.
- Pressure relief valve on cover to vent excess pressure
- Designed to be autoclavable up to 121°C during disinfecting procedures
- DISS 1240 inlet connection



7200R
(Volume 140 ml)



7100R
(Volume 200 ml)

638 Series

- Disposable
- DISS 1240 inlet connection
- MOQ: 50 pcs



638-001
(Volume 250 ml)



638-002
(Volume 400 ml)



638-003
(Volume 400 ml)

Nebulizers

7700R Series

- Reusable
- Polycarbonate bottles are impact resistant for maximum durability and service life
- Relief valve with whistle alert
- DISS 1240 inlet connection



7700R
(Volume 300 ml)



637-004
(Volume 300 ml)

637 Series

- Disposable
- DISS 1240 inlet connection
- MOQ: 50 pcs

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Flowmeters with Humidifiers / Nebulizers

Solutions for Life

Flowmeters with Humidifiers / Nebulizers



Ordering Information

Humidifiers & Nebulizers	Flowmeters						
							
	FM191	FM197B	FM197B	FM181	FM187B	FM187B	CFM
 7100R	FM891-15L1-XX	FM897B-15L1-XX	FM897B-15L1-XX	FM881-15L1-XX	FM887A-15L1-XX	FM887B-15L1-XX	FM877-15L1-XX FM877-8L1-XX FM877-4L1-XX
 7200R	FM891-15L2-XX	FM897A-15L2-XX	FM897B-15L2-XX	FM881-15L2-XX	FM887A-15L2-XX	FM887B-15L2-XX	FM877-15L2-XX FM877-8L2-XX FM877-4L2-XX
 7700R	FM861-15L1-XX	FM867A-15L1-XX	FM867B-15L1-XX	-	-	-	-

* XX: Inlet adapter (00, OH, DS, DH, CH, PB, FS, GS, BS, JIS, SIS). Example: FMD191-15L-OH

** For 65 psi calibration pressure, see page 5 and page 6

Flowmeters with Humidifiers / Nebulizers



Flowmeters

						
FM293-200CC-X	FM293-1L-X	FM293-3L-X	FM293-16L-X	FM293-75L-X	FM293-16L-Q	FM293-75L-Q
FM893-200CC-X1-XX	FM893-1L-X1-XX	FM893-3L-X1-XX	FM893-16L-X1-XX	FM893-75L-X1-XX	FM893-16L-Q1-XX	FM893-75L-Q1-XX
FM893-200CC-X2-XX	FM893-1L-X2-XX	FM893-3L-X2-XX	FM893-16L-X2-XX	FM893-75L-X2-XX	FM893-16L-Q2-XX	FM893-75L-Q2-XX
FM863-200CC-X1-XX	FM863-1L-X1-XX	FM863-3L-X1-XX	FM863-16L-X1-XX	FM863-75L-X1-XX	FM863-16L-Q1-XX	FM863-75L-Q1-XX

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* XX: Inlet adapter (00, OH, DS, DH, CH, PB, FS, GS, BS, JIS, SIS). Example: FMD191-15L-OH

** For 65 psi calibration pressure, see page 5 and page 6

OXYGEN THERAPY

Oxygen Flowmeter Regulators with Humidifiers

Solutions for Life

Oxygen Flowmeter Regulators with Humidifiers



Oxygen Safe. Complies with the following tests for oxygen safety standards.

1. AS 3840.1 Ignition Testing: Appendix E Ignition Testing with Section 15.2.1 Storage Temperatures.
2. ISO 10524-1 Part 1: Pressure regulators and pressure regulators with flow-metering devices. Section 6.6 Resistance to ignition.
3. ASTM G175 Phase 1 Oxygen Pressure Shock Test
4. CGA E-7 Section 6.8.3

Oxygen Flowmeter Regulators with Humidifiers

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891M

- Chrome-plated brass body regulator
- Piston-type regulator design
- Back-pressure compensated flowmeter
- For use with oxygen cylinder



895M

- Chrome-plated brass body regulator
- Diaphragm-type design
- Back-pressure compensated flowmeter
- For use with oxygen cylinder



897M

- Matte-chrome brass body regulator
- Diaphragm-type design
- Back-pressure compensated flowmeter
- For use with oxygen cylinder

Ordering Information

Model Number	Delivery Flow	Inlet Connection	Working Pressure	Pressure Gauge	Inlet Pressure
891M-15L	0-15L	CGA 540 Nut	50 psi	1.5"	3000 psi
895M-15L	0-15L	CGA 540 Nut	50 psi	2"	3000 psi
897M-15L	0-15L	CGA 540 Nut	50 psi	2"	3000 psi
891M-15LH	0-15L	CGA 540 Handwheel	50 psi	1.5"	3000 psi
895M-15LH	0-15L	CGA 540 Handwheel	50 psi	2"	3000 psi
897M-15LH	0-15L	CGA 540 Handwheel	50 psi	2"	3000 psi
891M-15LY	0-15L	CGA 870 Yoke	50 psi	1.5"	3000 psi
895M-15LY	0-15L	CGA 870 Yoke	50 psi	2"	3000 psi
897M-15LY	0-15L	CGA 870 Yoke	50 psi	2"	3000 psi
891M-15LBS	0-15L	BS 341 NO.3	50 psi	1.5"	3000 psi
895M-15LBS	0-15L	BS 341 NO.3	50 psi	2"	3000 psi
897M-15LBS	0-15L	BS 341 NO.3	50 psi	2"	3000 psi
891M-15LBSh	0-15L	BS 341 NO.3 Handwheel	50 psi	1.5"	3000 psi
895M-15LBSh	0-15L	BS 341 NO.3 Handwheel	50 psi	2"	3000 psi
897M-15LBSh	0-15L	BS 341 NO.3 Handwheel	50 psi	2"	3000 psi
891M-15LDIN	0-15L	DIN 477 NO.9	50 psi	1.5"	3000 psi
895M-15LDIN	0-15L	DIN 477 NO.9	50 psi	2"	3000 psi
897M-15LDIN	0-15L	DIN 477 NO.9	50 psi	2"	3000 psi

* For 65 psi calibration pressure, see page 5 and page 6

Oxygen Flowmeter Regulators



191M-15L

Piston-type Regulator with Flowmeter and CGA540 Nut and Nipple Inlet



195M-15L

Diaphragm-type Regulator with Flowmeter and CGA540 Nut and Nipple Inlet

Features

- Back-pressure compensated flowmeters
- 3000 psi maximum inlet pressure
- Flow range: 0~15 LPM
- For use with oxygen cylinders
- Meets ignition testing for oxygen service



197M-15L

Diaphragm-type Regulator with Flowmeter and CGA540 Nut and Nipple Inlet

Ordering Information

Model Number	Delivery Flow	Inlet Connection	Working Pressure	Body Material
191M-15L	0-15 LPM	CGA 540	50 psi	Chrome-plated Brass
197M-15L	0-15 LPM	CGA 540	50 psi	Matte Chrome-plated Brass
195M-15L	0-15 LPM	CGA 540	50 psi	Chrome-plated Brass
191M-15LY	0-15 LPM	CGA 540 Yoke	50 psi	Chrome-plated Brass
197M-15LY	0-15 LPM	CGA 540 Yoke	50 psi	Matte Chrome-plated Brass

* For 65 psi calibration pressure, see page 5 and page 6

Heliox Flowmeter Regulators

Heliox Flowmeter Regulators are designed for use in respiratory urgent care and respiratory treatment purposes. The GENTEC® Heliox Flowmeter Regulator is calibrated for 80/20 heliox (80% helium / 20% oxygen). Use our heliox flowmeter regulator to avoid the conversion errors that occur when using standard oxygen or air flowmeters.

Features

- Flowmeter calibrated for heliox 80/20 mixture
- Back-pressure compensated
- Polycarbonate tubes for longer service life
- Chrome-plated brass body
- Maximum inlet pressure: 3000 psi
- 2" pressure gauge for easy reading



197HX-12L

Heliox Flowmeter Regulator
with CGA280 Inlet

Ordering Information

Model Number	Delivery Flow	Inlet Connection	Working Pressure	Body Material
191M-15L	0-15 LPM	CGA 540	50 psi	Chrome-plated Brass
197M-15L	0-15 LPM	CGA 540	50 psi	Matte Chrome-plated Brass
195M-15L	0-15 LPM	CGA 540	50 psi	Chrome-plated Brass
191M-15LY	0-15 LPM	CGA 870 Yoke	50 psi	Chrome-plated Brass
197M-15LY	0-15 LPM	CGA 870 Yoke	50 psi	Matte Chrome-plated Brass
195M-15LY	0-15 LPM	CGA 870 Yoke	50 psi	Chrome-plated Brass
197M-12L	0-12 LPM	CGA 280	50 psi	Matte Chrome-plated Brass

* International connections optional: BS 341 no.3 add "-BS", DIN 477 no.9 add "-GS", JIS 22-R add "-JS"
Example: 191M-15L-GS for DIN 477 no.9 inlet connection

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Medical Gas Regulators

Solutions for Life

195 Series Medical Gas Regulators



195MG-5-870

Flow Gauge Regulator with Rear
Entry Gauges and CGA870 Yoke Inlet



195M -540D

Diaphragm-type Regulator without Flowmeter,
with CGA540 Nut and Nipple Inlet



195MA-5-870

Flow Gauge Regulator with CGA870 Yoke Inlet

Features

- Chrome-plated brass body
- 3000 psi maximum inlet pressure
- 1-1/2" diameter gauges
- Internal relief valve
- Diaphragm-type regulator design
- Sintered inlet filter for longer service life
- Dual scale pressure gauge: psi and kPa
- Adjustable setting

230 Series Medical Gas Regulators



230M-5-CGA540-M



230M-8-CGA870



230M-5-CGA540-L



230M-8-CGA870

Features

- Chrome-plated brass body
- 3000 psi maximum inlet pressure
- 1-1/2" diameter gauges
- Internal relief valve
- Piston-type regulator design
- Sintered inlet filter for longer service life
- Dual scale pressure gauge: psi and kPa
- With choice of DISS connection
- Hose barb adapter included
- Fixed orifice

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OXYGEN THERAPY

Medical Gas Regulators

Solutions for Life

Medical Gas Regulators and Various Joint Combination

Connectors	Medical Regulators					
	 195M	 195MG	 195MA	 230M-XX-XXX	 230M-XX-XXX-M	 230M-XX-XXX-L
 CGA (Screw Thread)	195M-XX-540 195M-XX-346 195M-XX-326 195M-XX-280	195MG-XX-540 195MG-XX-346 195MG-XX-326 195MG-XX-280	195MA-XX-540 195MA-XX-346 195MA-XX-326 195MA-XX-280	230M-XX-540 230M-XX-346 230M-XX-326 230M-XX-280	230M-XX-540-M 230M-XX-346-M 230M-XX-326-M 230M-XX-280-M	230M-XX-540-L 230M-XX-346-L 230M-XX-326-L 230M-XX-280-L
 CGA (Handwheel)	195M-XX-540H 195M-XX-346H 195M-XX-326H 195M-XX-280H	195MG-XX-540H 195MG-XX-346H 195MG-XX-326H 195MG-XX-280H	195MA-XX-540H 195MA-XX-346H 195MA-XX-326H 195MA-XX-280H	230M-XX-540H 230M-XX-346H 230M-XX-326H 230M-XX-280H	230M-XX-540H-M 230M-XX-346H-M 230M-XX-326H-M 230M-XX-280H-M	230M-XX-540H-L 230M-XX-346H-L 230M-XX-326H-L 230M-XX-280H-L
 CGA (Yoke)	195M-XX-870 195M-XX-950 195M-XX-910 195M-XX-965 195M-XX-890 195M-XX-930	195MG-XX-870 195MG-XX-950 195MG-XX-910 195MG-XX-965 195MG-XX-890 195MG-XX-930	195MA-XX-870 195MA-XX-950 195MA-XX-910 195MA-XX-965 195MA-XX-890 195MA-XX-930	230M-XX-870 230M-XX-950 230M-XX-910 230M-XX-965 230M-XX-890 230M-XX-930	230M-XX-870-M 230M-XX-950-M 230M-XX-910-M 230M-XX-965-M 230M-XX-890-M 230M-XX-930-M	230M-XX-870-L 230M-XX-950-L 230M-XX-910-L 230M-XX-965-L 230M-XX-890-L 230M-XX-930-L
 DIN (447)	195M-XX-DIN9 195M-XX-DIN13 195M-XX-DIN11 195M-XX-DIN12	195MG-XX-DIN9 195MG-XX-DIN13 195MG-XX-DIN11 195MG-XX-DIN12	195MA-XX-DIN9 195MA-XX-DIN13 195MA-XX-DIN11 195MA-XX-DIN12	230M-XX-DIN9 230M-XX-DIN13 230M-XX-DIN11 230M-XX-DIN12	230M-XX-DIN9-M 230M-XX-DIN13-M 230M-XX-DIN11-M 230M-XX-DIN12-M	230M-XX-DIN9-M 230M-XX-DIN13-M 230M-XX-DIN11-M 230M-XX-DIN12-M
 BS (341) (Screw Thread)	195M-XX-BS3 195M-XX-BS13	195MG-XX-BS3 195MG-XX-BS13	195MA-XX-BS3 195MA-XX-BS13	230M-XX-BS3 230M-XX-BS13	230M-XX-BS3-M 230M-XX-BS13-M	230M-XX-BS3-L 230M-XX-BS13-L
 BS (341) (Handwheel)	195M-XX-BS3H 195M-XX-BS13H	195MG-XX-BS3H 195MG-XX-BS13H	195MA-XX-BS3H 195MA-XX-BS13H	230M-XX-BS3H 230M-XX-BS13H	230M-XX-BS3H-M 230M-XX-BS13H-M	230M-XX-BS3H-L 230M-XX-BS13H-L

Ordering Information

Ex:	195M	G	- 15	- CGA540
	Series	Inlet Type	Flow Gauge	CGA Connector
	195M	None: Standard G: With Outlet Connector and Pressure Gauge A: Axial inlet	None: Without Flow Gauge 5: 5L 15: 15L	CGA540 CGA580 See below table

Ex:	230M	- 15	- 540	- M
	Series	Flow / Pressure Type	CGA Connector	Inlet Connector Length
	230M	5: 5L 8: 8L 15: 15L 45: 45L 50 P: 50 psi	540: CGA540 870: CGA870 See below table	None: Standard M: 2" Length L: 6" Length

Gas Connection Table

Gas	CGA (Screw Thread)	CGA (Handwheel)	CGA (Yoke)	DIN (447)	BS (Screw Thread) (341)	BS (Handwheel) (341)
						
O ₂	BP-CGA540	BP-CGA540H	CGA870-2	BP-DIN477-9	BP-BS341-3	BP-BS341-3H
AIR	BP-CGA346	-	CGA950-2	BP-DIN477-13	BP-BS341-3	BP-BS341-3H
N ₂ O	BP-CGA326	-	CGA910-2	BP-DIN477-11	BP-BS341-13	BP-BS341-13H
O ₂ +N ₂ O	BP-CGA280	-	CGA965-2	-	-	-
He ₂ +O ₂	BP-CGA280	-	-	-	-	-

OXYGEN THERAPY

Medical Gas Regulators

Solutions for Life

284, 285 Series Oxygen Aluminum Medical Gas Regulators



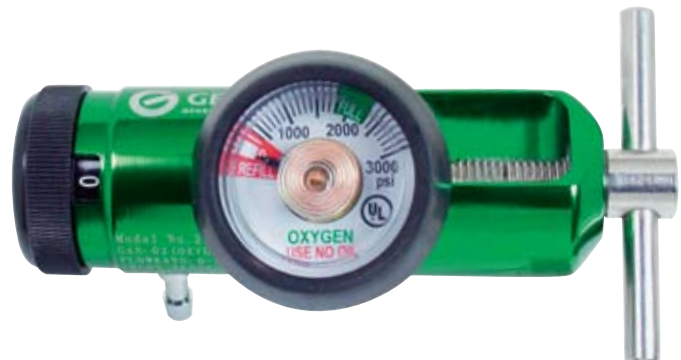
284MA-15LY
Click-Style Regulator with Hose Barb Outlet
and CGA 870 Yoke Inlet



285MA-15L1
Click-Style Regulator with Hose Barb, one DISS Power
Take Off Outlet and CGA 540 Nut and Nipple Inlet

Features

- Oxygen use
- Aluminum body with brass high pressure chamber
- 3000 psi maximum inlet pressure
- 1-1/2" diameter UL-listed gauge
- Complies to CGA standards
- Internal relief valve
- Hose barb outlet
- Piston design regulator
- Sintered bronze inlet filter for longer service life
- Easy to read flow rate window



285MA-8LY
Mini Click-Style Regulator with Hose Barb Outlet

287, 288 Series Medical Air Aluminum Medical Gas Regulators



287MA-15LY
Click-Style Regulator with Hose Barb Outlet
and CGA 950 Yoke Inlet



287MA-15L-BS
Click-Style Regulator with Hose Barb, BS Connection and Nipple Inlet

Features

- Medical air use
- Aluminum body with brass high pressure chamber
- 3000 psi maximum inlet pressure
- 1-1/2" diameter UL-listed gauge
- Complies to CGA standards
- Internal relief valve
- Hose barb outlet
- Piston-type design regulator
- Sintered bronze inlet filter for longer service life
- Easy to read flow rate window



288MA-8LY
Mini Click-Style Regulator with Hose Barb Outlet

OXYGEN THERAPY

Medical Gas Regulators

Solutions for Life

284, 285 Series Oxygen Aluminum Medical Gas Regulators 287, 288 Series Medical Air Aluminum Medical Gas Regulators

Ordering Information

	Model Number	Flow Settings (LPM)	DISS Outlet (s)	Delivery Pressure	Inlet connection*
Click-Style Oxygen / Air Regulators					
	284MA-4L / 287MA-4L	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 540 / CGA346
	284MA-8L / 287MA-8L	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 540 / CGA346
	284MA-15L / 287MA-15L	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 540 / CGA346
	284MA-25L / 287MA-25L	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 540 / CGA346
	284MA-15L1 / 287MA-15L1	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	1	50 psi	CGA 540 / CGA346
	284MA-25L1 / 287MA-25L1	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	1	50 psi	CGA 540 / CGA346
	284MA-15L2 / 287MA-15L2	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	2	50 psi	CGA 540 / CGA346
	284MA-25L2 / 287MA-25L2	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	2	50 psi	CGA 540 / CGA346
	284MA-4LY / 287MA-4LY	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 870 / CGA950
	284MA-8LY / 287MA-8LY	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 870 / CGA950
	284MA-15LY / 287MA-15LY	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 870 / CGA950
	284MA-25LY / 287MA-25LY	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 870 / CGA950
	284MA-15LY1 / 287MA-15LY1	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	1	50 psi	CGA 870 / CGA950
	284MA-25LY1 / 287MA-25LY1	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	1	50 psi	CGA 870 / CGA950
	284MA-15LY2 / 287MA-15LY2	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	2	50 psi	CGA 870 / CGA950
	284MA-25LY2 / 287MA-25LY2	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	2	50 psi	CGA 870 / CGA950
Mini Click-Style Oxygen / Air Regulators					
	285MA-4L / 288MA-4L	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 540 / CGA346
	285MA-8L / 288MA-8L	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 540 / CGA346
	285MA-15L / 288MA-15L	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 540 / CGA346
	285MA-25L / 288MA-25L	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 540 / CGA346
	285MA-4LY / 288MA-4LY	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 870 / CGA950
	285MA-8LY / 288MA-8LY	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 870 / CGA950
	285MA-15LY / 288MA-15LY	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 870 / CGA950
	285MA-25LY / 288MA-25LY	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 870 / CGA950

* International connections optional: BS 341 no.3 add "-BS", DIN 477 no.9 add "-GS", JIS 22-R add "-JS"

Example: 284MA-15L-GS for DIN 477 no.9 inlet connection

286 Series Brass Medical Gas Regulators



CE
0123

286MB-15LY2

Click-Style Regulator with Hose Barb Outlet,
two DISS Outlets and CGA 870 Yoke Inlet

Features

- Oxygen use
- Chrome-plated brass body
- 3000 psi maximum inlet pressure
- 1-1/2" diameter UL-listed gauge
- Complies to CGA standards
- Internal relief valve
- Hose barb outlet
- Piston design regulator
- Sintered bronze inlet filter for longer service life
- Easy to read flow rate window
- Meets ignition testing for oxygen service

Ordering Information

	Model Number	Flow Settings (LPM)	DISS Outlet (s)	Delivery Pressure	Inlet connection*
	286MB-4L	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 540
	286MB-8L	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 540
	286MB-15L	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 540
	286MB-25L	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 540
	286MB-15L1	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	1	50 psi	CGA 540
	286MB-25L1	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	1	50 psi	CGA 540
	286MB-15L2	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	2	50 psi	CGA 540
	286MB-25L2	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	2	50 psi	CGA 540
	286MB-4LY	0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4	-	50 psi	CGA 870
	286MB-8LY	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8	-	50 psi	CGA 870
	286MB-15LY	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	-	50 psi	CGA 870
	286MB-25LY	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	-	50 psi	CGA 870
	286MB-15LY1	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	1	50 psi	CGA 870
	286MB-25LY1	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	1	50 psi	CGA 870
	286MB-15LY2	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15	2	50 psi	CGA 870
	286MB-25LY2	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25	2	50 psi	CGA 870

* International connections optional: BS 341 no.3 add "-BS", DIN 477 no.9 add "-GS", JIS 22-R add "-JS"

Example: 284MA-15L-GS for DIN 477 no.9 inlet connection



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