



MEDICAL RESPIRATORY GAS PRODUCTS

- ▲ Medical Gas Outlets
- ▲ Oxygen Regulators
- ▲ Suction Regulators
- ▲ Flowmeters
- ▲ Accessories



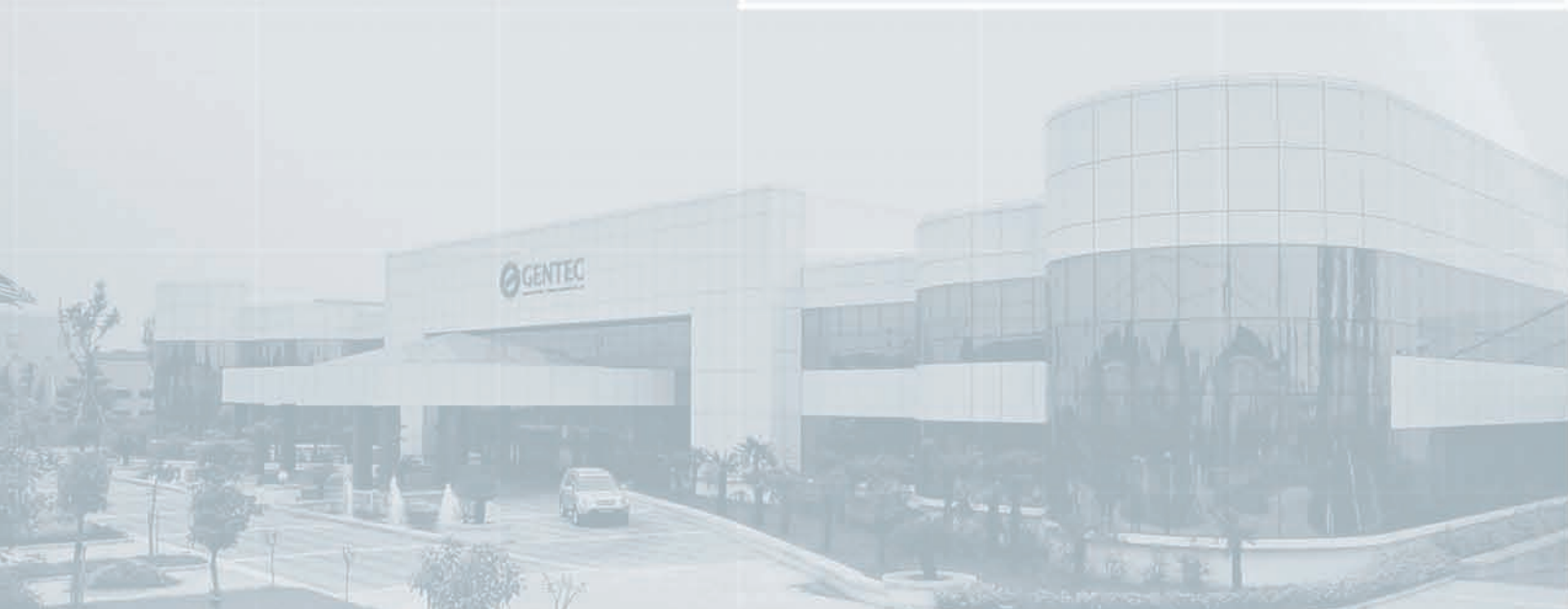
Company Overview

Genstar Technologies Company, Inc (GENTEC), founded in 1969, is a world class manufacturer of high quality apparatus for high purity, medical and industrial markets.

For the medical industry, GENTEC provides high quality products such as medical gas flow control systems, regulators, terminal-units, architectural products, and gas alarm systems.



GENTEC manufactures its products in an ISO 9001: 2000 and ISO 13485 certified 150,000 square foot manufacturing facility in order to ensure the highest quality.



RESPIRATORY PRODUCTS

Table of Contents

American Medical Gas Outlets	2-3
French Medical Gas Outlets	4
Australian Medical Gas Outlets	5
Ordering Information	6-7
German Medical Gas Outlets	8
Anaesthetic Gas Scavenging System	9
British Medical Gas Outlets	10
Japanese Medical Gas Outlets	11
Bed Console & Flowmeter Regulators	12
Heliox Flowmeter Regulator	13
Flowmeter Regulators with Humidifiers	13
Oxygen Flowmeters with Humidifiers	14
Oxygen & Air Flowmeters	15
Flowmeters Accessories & Humidifiers	16
Suction Regulators	17-20
Suction Gauges & Suction Traps	19
Canisters	20
Accessories	23
Medical Gas Adapters	24-25
Click-Style Regulators	26-27
Flow Gauge Regulators	28-29
Cylinders	30
Cylinder Valves & Refilling Bridge & Medical Hoses	31

RESPIRATORY PRODUCTS

American Medical Gas Outlets

GENTEC® Medical Gas Outlets shall be UL Listed, cleaned for medical gas service, and compliant to the latest edition of NFPA 99. They shall accept only corresponding Ohmeda®, DISS, Chemetron®, or Puritan Bennett® style quick connect adapters. Outlets are designed with an universal rough-in assembly for interchangeability on different quick connects without removing the entire outlet. For outlets providing positive pressure gas, they shall have a primary and secondary check valve, where the secondary check valve allows for servicing without isolating an entire zone.

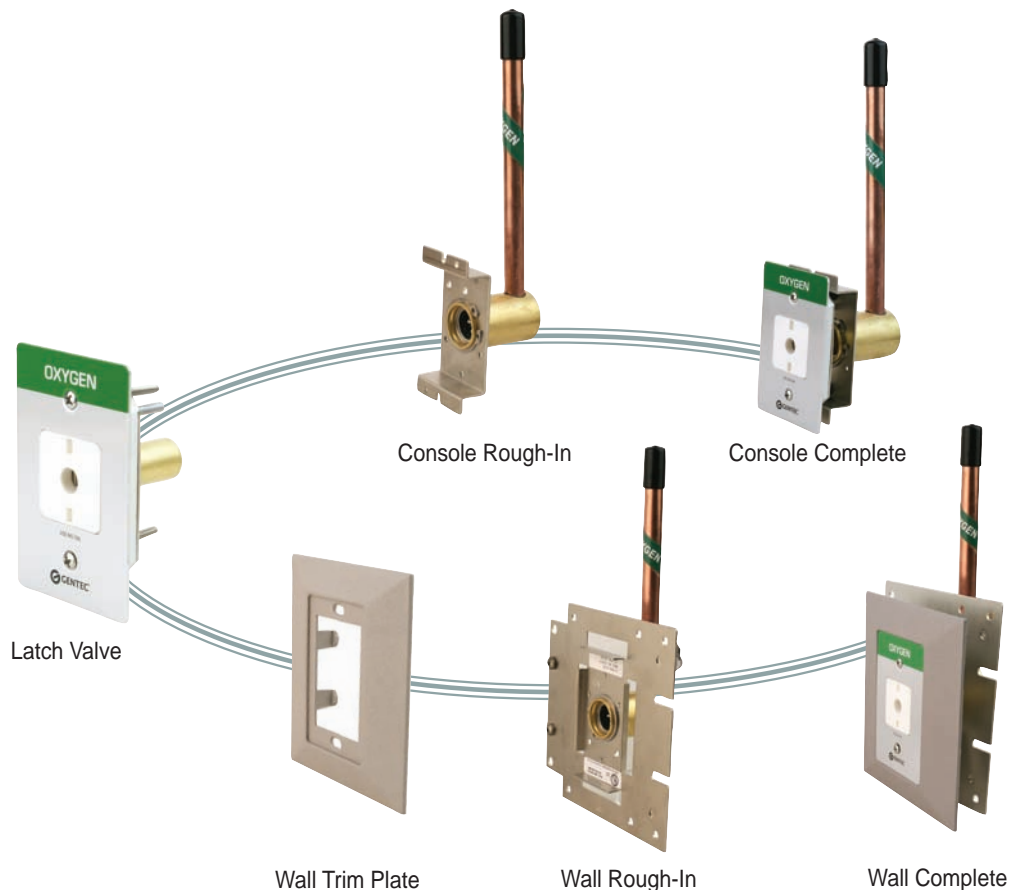
Latch Valve Assembly (front)

The latch-valve assembly shall have gas specific index corresponding to the gas service on the rough-in assembly to prevent interchanging of gas service. Each latch-valve assembly shall be color coded for it's specified gas service.

Rough-In Assembly (back)

The rough-in assembly shall be manufactured using (1/2" outside diameter) type "K" copper tubing, silver-brazed to the outlet body. The tubing allows 360 degrees swivel on the outlet body for easy installation. Rough-in assembly is manufactured to accept only the specified gas service by use of indexes.

Latch Valve Assembly + Rough-In Assembly = Complete Assembly

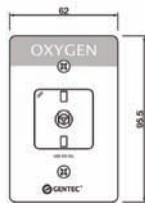


American Medical Gas Outlets

Features

- Accepts only Ohmeda, DISS, Chemetron, or Puritan Bennett style gas specific adapters
- Unique pin index for gases to prevent interchanging of gas service
- Universal rough-in assembly
- Color-coded for easy gas identification
- 360° swivel on the inlet pipe for easy installation
- UL listed and complies to the latest edition of NFPA 99: 2005
- Type K, 3/8" size copper tubing [1/2" real outside diameter (12.7 mm)] or ϕ 10 real outside diameter (8 mm) optional
- 100% tested and individually packaged

Latch Valve Dimensions (units in millimeters):



Ohmeda-Style
Pg 4



DISS-Standard
Pg 5

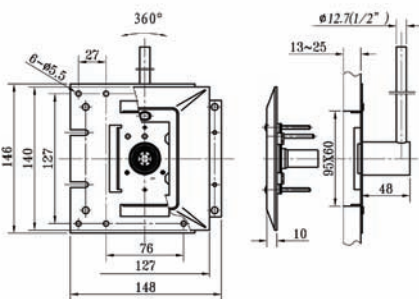


Chemetron-Style
Pg 6

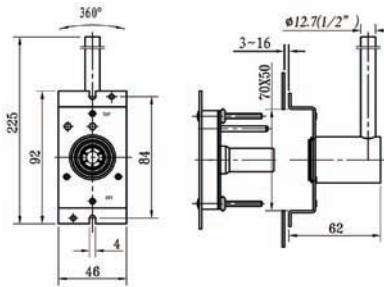


Puritan-Bennett-Style
Pg 7

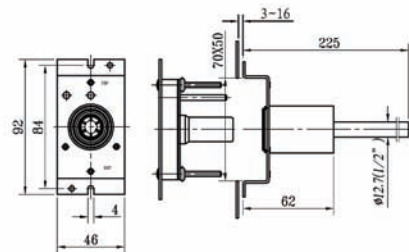
Rough-in Dimensions (units in millimeters):



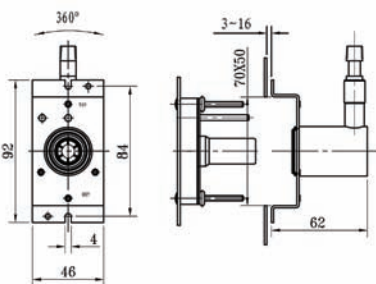
Wall Outlet 90° Tubing



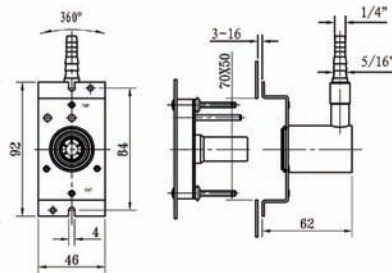
Console Outlet 90° Tubing



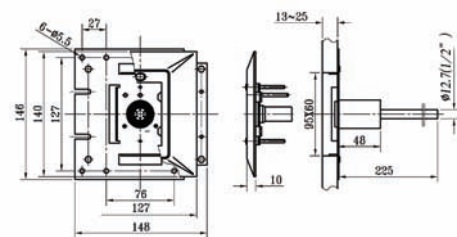
Ceiling Outlet 180° Tubing



EMS Outlet with 90° Diss



EMS Outlet with 90° Hose Barb



Wall Outlet with 180° Rear Tubing

French Medical Gas Outlets

FSO Series

GENTEC French Standard Outlets, FSO series, are for use with medical gas systems. The outlets are designed with safety in mind and fully comply with NF EN 737-1: 1998. Outlets are manufactured in an ISO 9001 and ISO 13485 certified facility.

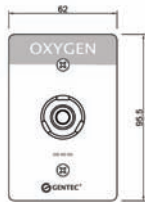
Features

- Gas specific adapters
- Color coded for easy gas service identification according to ISO 32
- Complies with NF EN 737-1: 1998 and NF S 90-116
- UL listed
- 100% tested and individually packaged

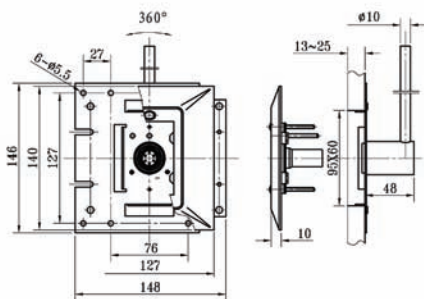


FSO (Afnor Style)

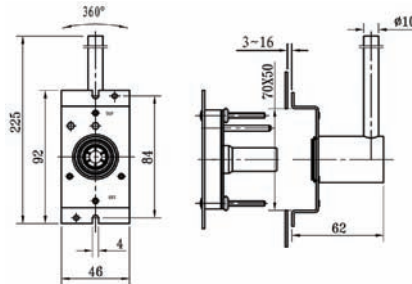
Latch Valve Dimensions (units in millimeters):



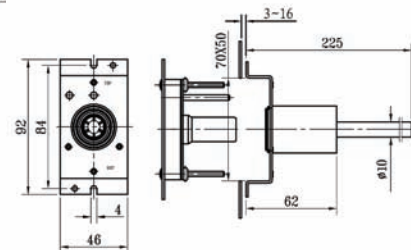
Rough-in Dimensions (units in millimeters):



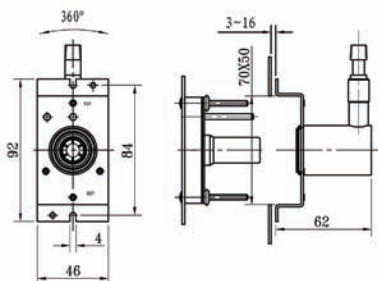
Wall Outlet 90° Tubing



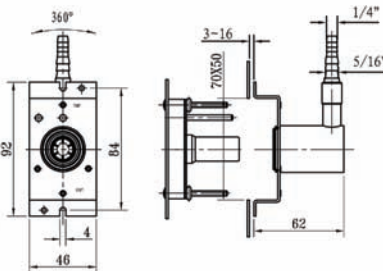
Console Outlet 90° Tubing



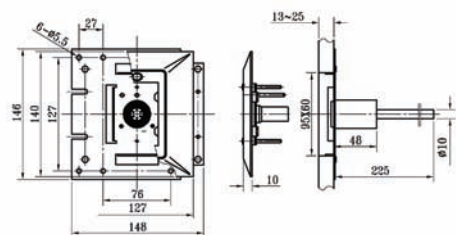
Ceiling Outlet 180° Tubing



EMS Outlet with 90° Diss



EMS Outlet with 90° Hose Barb



Wall Outlet with 180° Rear Tubing

Australian Medical Gas Outlets

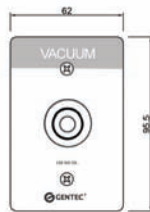
GENTEC Australian Outlets, SIS series, are used for medical gas pipeline. The outlets are designed with safety in mind and fully comply with EN 737-1: 1998. Outlets are manufactured in an ISO 9001 and ISO 13485 certified facility.

Features

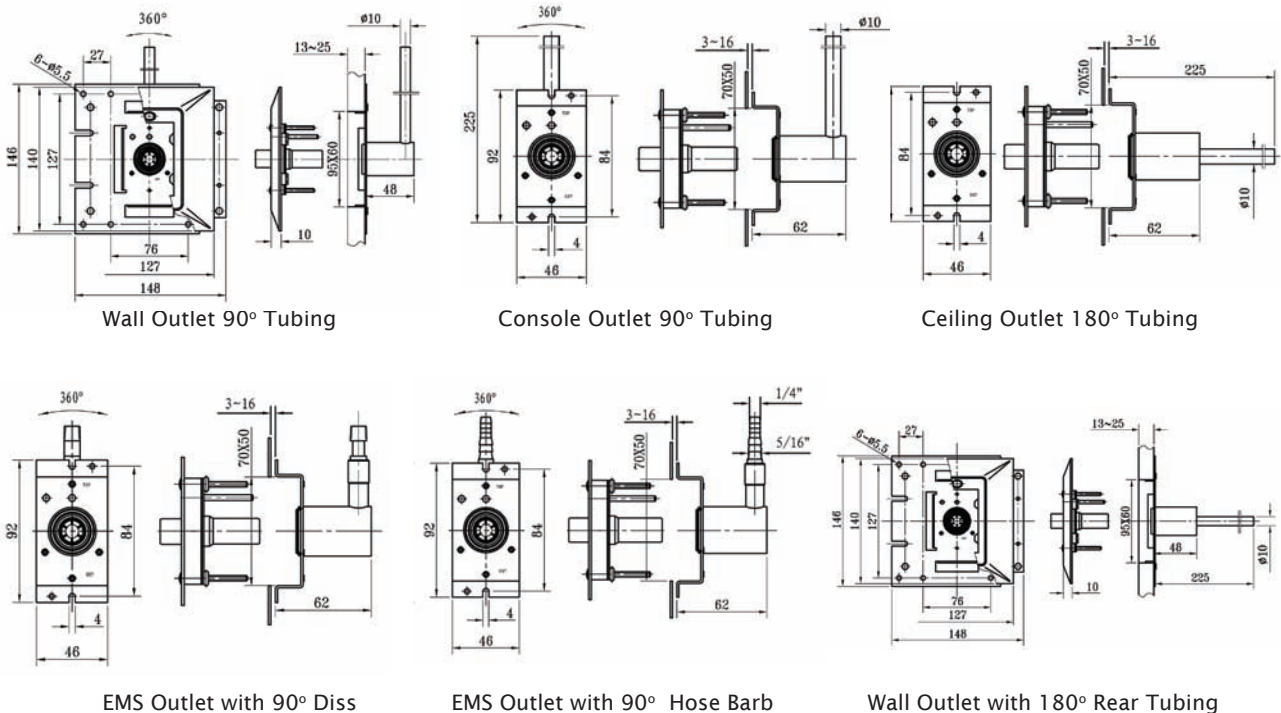
- Gas specific adapters
- Color coded for easy gas service identification
- Complies with EN 737-1: 1998
- Designed in accordance to S.I.S.
(Sleeve Indexed Safety System as per AS 2896)
- 100% tested and individually packaged



Latch Valve Dimensions (units in millimeters):



Rough-in Dimensions (units in millimeters):



Ordering Information

LATCH VALVE ASSEMBLY:



EXAMPLE:	39	1	1	U	-	O	-	M
	Outlet Assembly	Console Assembly	Latch Valve Assembly Style	Color Code		Gas Service		Pipe
			1: Ohmeda Compatible	U: USA Color E: ISO 32 Color **		O: Oxygen V: Vacuum		None: 1/2" M: φ10 real
			2: DISS			2: Nitrous Oxide		
			3: Chemetron Compatible			A: Medical Air W: WAGD		
			4: Puritan-Bennett Compatible			C: Carbon Dioxide *		
			5: French Standard			N: Nitrogen *		
			9: Australian Standard			IA: Instrument Air *		

ROUGH-IN ASSEMBLY:



EXAMPLE:	39	1	1	U	-	O
	Outlet Assembly	Pigtail Orientation	Rough-In Assembly	Color Code		Gas Service
		1: Console Outlet 90°Tubing		U: USA Color E: ISO 32 Color **		O: Oxygen V: Vacuum
		2: Wall Outlet 90°Tubing				2: Nitrous Oxide A: Medical Air
		3: Ceiling Outlet 180°Tubing				W: WAGD C: Carbon Dioxide *
		4: Wall Outlet with 180°Rear Tubing				N: Nitrogen *
		5: EMS Outlet with 90°DISS				IA: Instrument Air *
		6: EMS Outlet with 90°Hose Barb				

*: Only for DISS

** : Designate "E" for Nitrous Oxide, Carbon Dioxide and Nitrogen

Please contact Genstar Technologies Company, Inc. for more information

Ordering Information

COMPLETE ASSEMBLY:



EXAMPLE: 38	1	1	U	-	O	-	M
Complete Out-let Assembly	Pigtail Orientation	Latch Valve Assembly Style	Color Code		Gas Service		Pipe
	1: Console Outlet 90°Tubing	1: Ohmeda Compatible	U: USA Color E: ISO 32 Color **		O: Oxygen V: Vacuum		None: 1/2" M: φ10 real
	2: Wall Outlet 90°Tubing	2: DISS 3: Chemetron			2: Nitrous Oxide A: Medical Air		
	3: Ceiling Outlet 180°Tubing	Compatible 4: Puritan-Bennett			W: WAGD C: Carbon Dioxide *		
	4: Wall Outlet with 180°Rear Tubing	Compatible 5: French Standard			N: Nitrogen * IA: Instrument Air *		
	5: EMS Outlet with 90°DISS	9: Australian Standard					
	6: EMS Outlet with 90°Hose Barb						

*: Only for DISS

** : Designate "E" for Nitrous Oxide, Carbon Dioxide and Nitrogen

Please contact Genstar Technologies Company, Inc. for more information

German Medical Gas Outlets

GSO Series

GENTEC German Standard Outlets, GSO series, are for use with medical gas systems. The outlets are designed with safety in mind and comply fully with DIN EN 737-1: 1998 and DIN 13620-2. Outlets are manufactured in an ISO 9001: 2000 and ISO 13485 registered facility.

- Complies with DIN EN 737-1: 1998 and DIN 13620-2
- Color-coded for easy gas service identification according to ISO 32
- Stops flow of gas before detachment of probe
- Internal gas-specific safety socket
- 100% tested and individually packaged
- 8 mm piping
- CE listed



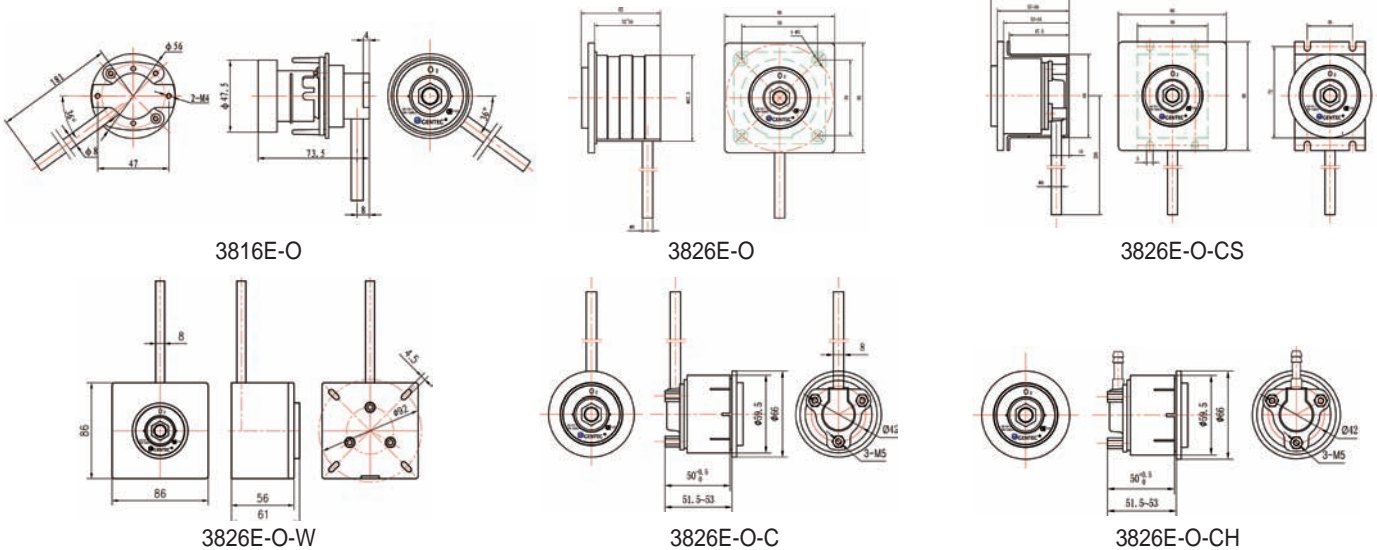
3816E-O

3826E-O

3826E-O-C

3826E-O-W

Dimensions (units in millimeters):



3816E-O

3826E-O

3826E-O-CS

3826E-O-W

3826E-O-C

3826E-O-CH

Ordering Information

Series	Gas Service	Installation
3816E	O—Oxygen	Nothing — Flush Mount
3826E	V—Vacuum	W—Surface Mount *
	2—Nitrous Oxide	C—Console Without Support *
	N—Nitrogen	CS —Console With Support *
	A—Medical Air	CH —Hose Barb *
	C—Carbon Dioxide	DS —DISS *
	W—Anaesthetic Gas(EN737-4 TYPE 2)	*Option available only for 3826E series.
	AIR 800—Medical Air 800kPa	
	Ar—Argon	

Please contact Genstar Technologies Company, Inc. for more information

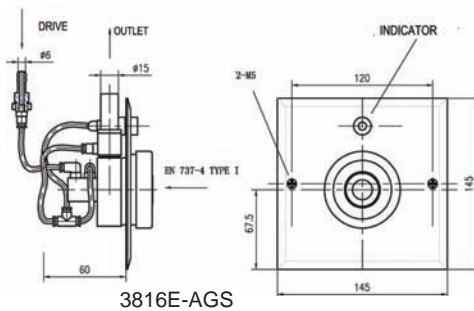
Anaesthetic Gas Scavenging System

- GENTEC Anaesthetic Gas Scavenging System is used for the safe removal of excess anaesthetic gas and anaesthetic vapors.
- Complies with EN 737-2, EN 737-4 (TYPE 1)
- Color-coded for easy gas service identification according to ISO 32
- Flow : 25~50 l/min (Pressure drop: 1~2 kPa)
- Air driving flow : 10~15 l/min (Pressure: 0.4 MPa)
- 15 mm piping
- 100% tested and individually packaged

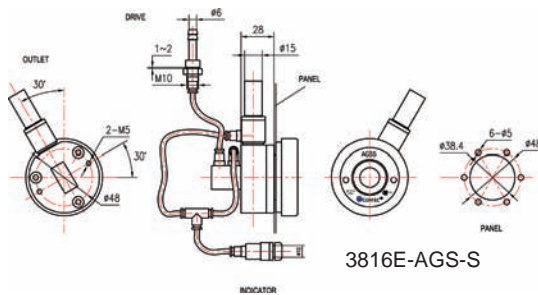


3816E-AGS

Dimensions (units in millimeters):



3816E-AGS



3816E-AGS-S



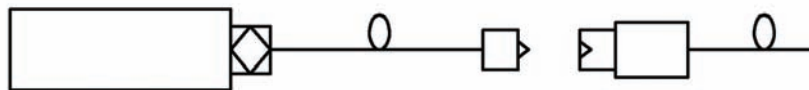
3816E-AGS-S

Illustration:

Apparatus includes breathing system and integral transfer/receiving system

EN 737-4 TYPE 1 Adapter

Anaesthetic gas scavenging system



Ordering Information

Model	Fixing Mode
3816E-AGS	with panel
3816E-AGS-S	without panel

British Medical Gas Outlets

BSO Series

GENTEC British Standard Outlets, BSO series, are for use with medical gas systems. The outlets are designed with safety in mind and comply fully with EN 737-1: 1998, and HTM 2022. Outlets are manufactured in an ISO 9001: 2000 and ISO 13485 registered facility.

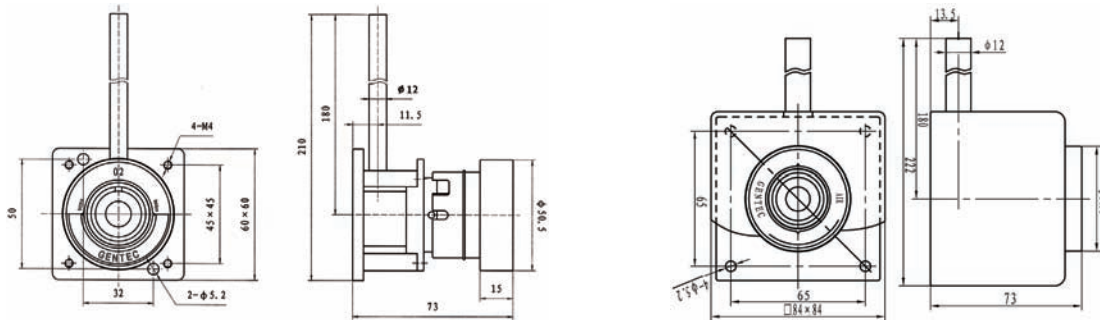
- Complies with EN 737-1: 1998, HTM 2022, BS 5682-1998
- Color-coded for easy gas service identification according to ISO 32
- 100% tested and individually packaged
- Gas-specific adapters
- Swivel pipe design for easy installation
- 12 mm piping
- CE listed



A Console

B Console

Dimensions (units in millimeters):



A Console

B Console

Ordering Information

Serial No.	Console	BSO	Color Code	Gas Service
1	A		E	O
2	B			V
				2
				N
				C
				A
				MA7

Please contact Genstar Technologies Company, Inc. for more information

Japanese Medical Gas Outlets

JSO

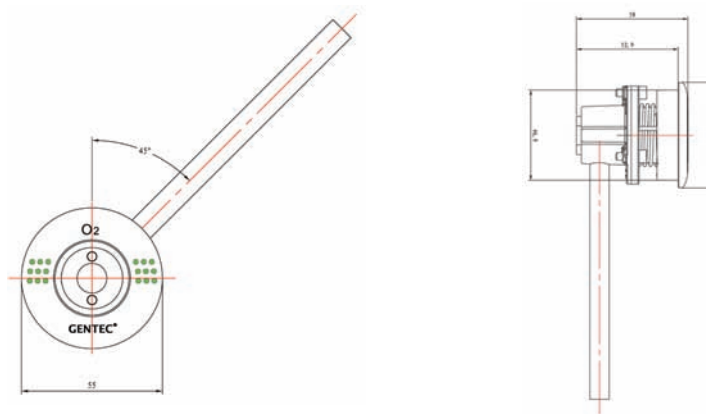
JSO Series

GENTEC Japanese Standard Outlets, JSO series, are for use with medical gas systems.

- Color-coded for easy gas service identification
- 100% tested and individually packaged
- Gas-specific adapters
- Swivel pipe design for easy installation
- 8 mm piping



Dimensions (units in millimeters):



Ordering Information

EXAMPLE: 3 8	1	8	E	-	O
Serial No.	Console	JSO	Color Code		Gas Service
			E—ISO 32 Colors		O—Oxygen
					V—Vacuum
					2—Nitrous Oxide
					N—Nitrogen
					C—Carbon Dioxide
					A—Medical Air

Please contact Genstar Technologies Company, Inc. for more information

Bed Console

- GENTEC Bedhead Consoles are available in a single trunk (3900A) or dual trunk (3900AD) setup. Both versions can be customized to meet unique room dimensions.
- GENTEC Bedhead Consoles accept GENTEC medical gas terminal units.
- Consoles are designed for easy maintenance. Modular design allows for customer specific customizations such as different standard electrical outlets, gas terminal units, and multimedia needs.
- Units come pre-wired and pre-piped for easy installation. Each unit shall be 100% factory tested.



Flowmeter Regulators

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



191M-15L

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



197M-15L

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



195M-15L

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



195M-540D

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

Model Number	Delivery Flow	Inlet Connection*	Working Pressure	Body
191M-15L	0-15 LPM	CGA540	50 psi	Chrome-plated Brass
197M-15L	0-15 LPM	CGA540	50 psi	Chrome-plated Brass
195M-15L	0-15 LPM	CGA540	50 psi	Chrome-plated Brass
191M-15LY	0-15 LPM	CGA870	50 psi	Chrome-plated Brass
197M-15LY	0-15 LPM	CGA870	50 psi	Chrome-plated Brass
195M-15LY	0-15 LPM	CGA870	50 psi	Chrome-plated Brass
195M-540D		CGA540	50 psi	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

Heliox Flowmeter Regulator

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.

- 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
- Flow range: 0~12 LPM
- CGA 280 inlet connection



197HX-12L
Heliox Flowmeter Regulator
with CGA280 inlet

Flowmeter Regulators With Humidifiers

- Chrome plated brass body regulator
- 891M with piston-type regulator design
- 895M with diaphragm-type design
- Back pressure compensated flowmeters
- 3000 psi maximum inlet pressure
- For use with oxygen cylinder



891M-15L

895M-15L

897M-15L

Flowmeter Regulators with Humidifiers and CGA540 Nut and Nipple Inlet

Model Number	Delivery Flow	Inlet Connection*	Working Pressure
891M-15L	0-15 LPM	CGA540	50 psi
895M-15L			
897M-15L			
891M-15LY	0-15 LPM	CGA870	50 psi
895M-15LY			
897M-15LY			

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

Example: 891M-15L-GS for DIN 477 no.9 inlet connection

Oxygen Flowmeter with Humidifier

FM891 & FM897 Series

- Polycarbonate flow tube and outer cover are impact resistant for maximum durability and service life
- Chrome-plated brass (FM891, FM897B) or Anodized aluminum body (FM897A)
- With choices of quick connections: Ohmeda, DISS, Chemetron, Puritan-Bennett, FS, GS, BS, JIS, SIS
- Back pressure compensated and calibrated at 50 psi *



FM891-15L-XX



FM897B-15L-XX

XX: Type of Inlet Adapter

00: No adapter (1/8" female NPT)

OH: Ohmeda connection

DISS: DISS connection

CH: Chemetron connection

PB: Puritan-Bennett connection

FS: French Standard connection

GS: German Standard connection

BS: British Standard connection

JIS: Japanese Standard connection

SIS: Australian Standard connection



FM897A-15L-XX



FM897A-15L2-XX

Model Number	Delivery Flow	Working Pressure
FM891-15L-XX	0-15 LPM	50 psi *
FM897A-15L-XX		
FM897A-15L2-XX		
FM897B-15L-XX		

* Optional calibration for 65 psi available. Please add E after liters per minute. Example: FM891-15LE-XX

Oxygen & Air Flowmeter

FM191 & FM197 Series Oxygen Flowmeter

- Slim body flowmeter
- Available in anodized aluminum (FM197A) or chrome-plated brass body (FM191, FM197B)
- Polycarbonate tubes for maximum durability
- Back-pressure compensated
- Flow range: 0~15 LPM
- Calibrated at 50 psi *
- CE listed



FM191-15L-XX
chrome-plated
brass body



FM197A-15L-XX
anodized aluminum
body



FM197B-15L-XX
chrome-plated
brass body

FM181 & FM187 Series Air Flowmeter

- Slim body flowmeter
- Available in anodized aluminum (FM187A) or chrome-plated brass body (FM181, FM187B)
- Back-pressure compensated
- Flow range: 0~15 LPM
- Calibrated at 50 psi *



FM181-15L-XX
chrome-plated
brass body



FM187A-15L-XX
anodized aluminum
body



FM187B-15L-XX
chrome-plated
brass body

CFM Series Dial Style Flowmeter

- Available in Oxygen
- Available in 4, 8, 15 and 25 LPM,
- Smallest and lightest in the industry
- Smallest increment is 1/32
- Color coded labelling for specific gas
- Calibrated at 50 psi
- Encased in an anodized aluminum housing
- Easy to read window



CFM-15L-XX
dial flowmeter

XX: Type of Inlet Adapter

00: No adapter (1/8" female NPT)	OH: Ohmeda connection
DISS: DISS connection	CH: Chemetron connection
PB: Puritan-Bennett connection	FS: French Standard connection
GS: German Standard connection	BS: British Standard connection
JIS: Japanese Standard connection	SIS: Australian Standard connection

* Optional calibration for 65 psi available. Please add E after liters per minute. Example: FM191-15LE-XX

Flowmeters Accessories



Y-FNT2
Y Connector , 3-1/8-
NPT Female



FM-PTO
Power Take Off Connector
with Check Valve



FM197B-20
Rail Clamp, for
Flowmeter & Suction
Regulator



FM-IPPB
360° Connector
with Check Valve



Oxygen Humidifiers

Oxygen humidifiers are used to help humidify the Oxygen or Medical Air administered to the patient through respiratory tubes. Gentec humidifiers are designed to be shatter proof. Our reusable series is designed to be resistant against high temperature (134°C Autoclavable) during disinfecting procedures.



7100R



7200R

7100R & 7200R

- Polycarbonate bottles are impact resistant for maximum durability and service life.
- Pressure relief valve on cover to vent excess pressure
- DISS 1240 inlet connection

Model	Volume	Note
7100R	300 ml	Re-usable
7200R	140 ml	Re-usable

Suction Regulators

Mode Selector Switch

- Clearly marked indicator
- GENTEC suction regulators are available in continuous only (882 Series) and continuous-intermittent (881 Series)
- 160 mmHg and 200 mmHg are available in pediatric, 300 mmHg is available in adult, and 760 mmHg is available in surgical
- Factory default settings for INT (on/off) cycles on the 881 series is 16 seconds on, 8 seconds off. On/off settings can be adjusted

Control Knob

- Can adjust vacuum pressure easily
- No suction leakage

Suction Trap

- Prevents contamination caused by overflow



881VR-300-XX
Continuous / Intermittent
0-300 mmHg, Clockwise

Glow in the Dark Gauge

- 2-1/2" gauge, easy to read
- Color coded flow ranges
- Dual Scale mmHg and kPa
- Clockwise or counterclockwise mode

Face Cover

- High-quality ABS case body for long durability
- Impact-resistant internal components minimize damage if regulator is hit or dropped
- Easy to clean, wipe down with sterilant













Interior Structure

- Few mechanical parts for easy maintenance
- Corrosion free
- Lightweight

Fittings

- GENTEC provides a wide range of fittings to meet customers' needs

Suction Regulators

	881VR Series Continuous / Intermittent			882VR Series Continuous-only			
Clockwise	 881VR-160 pediatric	 881VR-200	 881VR-300 adult	 882VR-160 pediatric	 882VR-200	 882VR-300 adult	 882VR-760 surgical
Counter-Clockwise	 881VR-160E pediatric		 881VR-300E adult	 882VR-160E pediatric		 882VR-300E adult	 882VR-760E surgical
Mode Selection:							
OFF	√	√	√	√	√	√	√
CONT	√	√	√	√	√	√	√
INT	√	√	√	X	X	X	X
FULL	X	X	X	X	√	√	√
Regulated Vacuum Range	0~160mmHg	0~200mmHg	0~300mmHg	0~160mmHg	0~200mmHg	0~300mmHg	0~760mmHg
Gauge Display Range	0~160mmHg	0~200mmHg	0~300mmHg	0~160mmHg	0~200mmHg	0~300mmHg	0~760mmHg
Gauge Accuracy	4%	4%	4%	4%	4%	4%	4%
Flow Rate	>50 l/min (CONT) 7-9 l/min (INT)	>55 l/min (CONT) 7-9 l/min (INT)	>60 l/min (CONT) 7-9 l/min (INT)	>50 l/min	>55 l/min	>60 l/min	>70 l/min
Weight	17.6 oz. / 0.5 Kg			14 oz. / 0.5 Kg			
Dimensions	6.3" H x 3.15" W x 3.94" D / 16 x 8 x 10 cm			6.3" H x 3.15" W x 3.94" D / 16 x 8 x 10 cm			

Suction Regulators



Back Fitting

Bottom Fitting

	
OH: Ohmeda 3101-VAC-NT2	FS 3101-VAC-NT2
	
DH: DISS Hand-tight 3222-VAC-NT2	GS 3116-VAC-NT2
	
DH: DISS Hex 3222-VAC-NT2	BS 3117-VAC-NT2
	
CH: Chemetron 3103-VAC-NT2	JIS 3108-VAC-NT2
	
PB: Puritan-Bennett 3104-VAC-NT2	SIS 3109-VAC-NT2

			
T: Suction trap Assembly (complete)	B: Trap Fitting Only (No TRAP)	C: DISS Male Vacuum	D: Tubing Nipple (5/16" Hose Barb)

Suction Regulators

Suction Regulator Ordering Information

881VR - 300 D E - 00 - T

SERIES:

881VR: Continuous / Intermittent
882VR: Continuous-only

RANGE:

160: 0~160 mmHg
200: 0~200 mmHg
300: 0~300 mmHg
760: 0~760 mmHg
(Only for 882VR)

GAUGE DIRECTION:

None: Clockwise
E: Counter-clockwise (ISO)

OUTLET (BACK FITTING):

00: No Fitting (1/8" NPT Female)
OH: Ohio Quick-Connect
DS: DISS Female Nut & Nipple
CH: Chemetron Quick-Connect
PB: Puritan-Bennett Quick-Connect
DH: DISS Hand-tight
FS: French Standard Connection (AFNOR)
BS: British Standard Connection (BS)
GS: German Standard Connection (DIN)
JIS: Japanese Standard Connection
SIS: Australian Standard Connection

RUN MODEL:

None: Instant off
D: Instant on (Only for 881VR series)

INLET (BOTTOM FITTING):

T: Suction trap Assembly (complete)
A: No Fitting (1/8" NPT Female)
B: Trap Fitting Only (No TRAP)
C: DISS Male Vacuum
D: Tubing Nipple (5/16" Hose Barb)







Suction Gauges & Suction Traps

Suction Gauges

Clockwise				
	GR25PM-V160 (0 ~ 160 mmHg)	GR25PM-V200 (0 ~ 200 mmHg)	GR25PM-V300 (0 ~ 300 mmHg)	GR25PM-V760 (0 ~ 760 mmHg)
Counter-Clockwise				
	GR25PM-V160-E (0 ~ 160 mmHg)	GR25PM-V300-E (0 ~ 300 mmHg)	GR25PM-V760-E (0 ~ 760 mmHg)	

880VT Suction Traps

Suction traps prevent contamination caused by overflow

880VT-0	880VT-1	880VT-2	880VT-3	880VT-4	880VT-5
					
880VT-0 with no fitting on top (1/8" NPT female)	880VT-1 with male trap fitting only	880VT-2 with DISS female nut & nipple vacuum fitting	880VT-3 with DISS female vacuum hand-tight	880VT-4 with tubing nipple (5/16" hose barb)	880VT-5 with complete trap fitting assembly (male & female)

Canisters

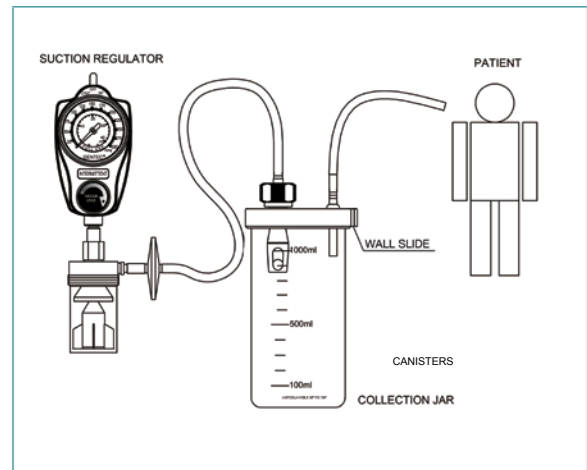
GENTEC SJ series reusable canisters are manufactured for durable, autoclavable (134°C) polycarbonate with anodized aluminum covers. DJ series canisters are disposable.

SJ Series

- 1 liter, 1.5 liter, and 2.5 liter models available
- The SJ-1000 series comes with a polycarbonate jar and anodized aluminum cover
- The SJ-1500 and SJ-2500 Series comes with polycarbonate jar and cover
- Built-in bracket for use with Gentec wall slides
- Polycarbonate jar for maximum durability
- Ball float design prevents overflow
- GENTEC SJ series reusable canisters are manufactured to be durable and autoclavable (up to 134°C)

DJ Series

- Holds 0.85 liter, 1 liter, and 2 liter
- Hose barb inlet and outlet
- Suitable for one time use



Model							
	SJ-1000A	SJ-1000B	SJ-1500	SJ-2500	DJ-850	DJ-1000	DJ-2000
Volume	1 L	1 L	1.5 L	2.5 L	0.85 L	1 L	2 L
Vacuum Connection	DISS	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)
Patient Connection	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)	Hose Barb (φ 6-8)

Accessories

Wall Slide

- For use on all surfaces
- Fits reusable and disposable
- Bottle brackets



Canister Holder

- Designed to support canisters
- Stable 5-caster base with two locking casters
- Durable construction, easy to clean
- Supports up to 4 canisters



Suction Tubing

Model	Description
ST6-4	Ø6 (1/4") x 4 m, with Suction Tip
ST6-100	Ø6 (1/4") x 100 m, without Suction Tip
ST8-4	Ø8 (1/4") x 4 m, with Suction Tip
ST8-100	Ø8 (1/4") x 100 m, without Suction Tip



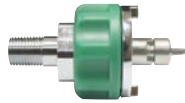










Filter

- Prevents contamination and fluid from entering the vacuum regulator and vacuum systems









Model	Description
FILTM-01	Non-Hydrophobic, Connection: 1/4",NPT
FILTM-02	Hydrophobic, Connection: 1/4",NPT



Medical Gas Adapters

		Gases	Model Number		Connections
Ohmeda					
		Oxygen	3111U-OXY-NT2		1/8" NPT Male
		Vacuum	3111U-VAC-NT2		1/8" NPT Male
		Medical air	3111U-AIR-NT2		1/8" NPT Male
		Nitrous Oxide	3111U-N2O-NT2		1/8" NPT Male
		WAGD	3111U-WAG-NT2		1/8" NPT Male
		Oxygen	3111U-OXY-HB4		1/4" Hose Barb
		Vacuum	3111U-VAC-HB5		5/16" Hose Barb
		Medical air	3111U-AIR-HB4		1/4" Hose Barb
		Nitrous Oxide	3111U-N2O-HB4		1/4" Hose Barb
		WAGD	3111U-WAG-HB5		5/16" Hose Barb
DISS					
			Hex	Hand Tight	
	Hex	Oxygen	3102-OXY-NT2	3222U-OXY-NT2	1/8" NPT Male
		Vacuum	3102-VAC-NT2	3222U-VAC-NT2	1/8" NPT Male
		Medical air	3102-AIR-NT2	3222U-AIR-NT2	1/8" NPT Male
		Nitrous Oxide	3102-N2O-NT2	3222U-N2O-NT2	1/8" NPT Male
		WAGD	3102-WAG-NT2	3222U-WAG-NT2	1/8" NPT Male
	Hand Tight	Carbon dioxide	3102-CO2-NT2	3222U-CO2-NT2	1/8" NPT Male
		Nitrogen	3102-NIT-NT2	3222U-NIT-NT2	1/8" NPT Male
		Oxygen	3102-OXY-HB4	3222U-OXY-HB4	1/4" Hose Barb
		Vacuum	3102-VAC-HB5	3222U-VAC-HB5	5/16" Hose Barb
		Medical air	3102-AIR-HB4	3222U-AIR-HB4	1/4" Hose Barb
	Hex	Nitrous Oxide	3102-N2O-HB4	3222U-N2O-HB4	1/4" Hose Barb
		WAGD	3102-WAG-HB5	3222U-WAG-HB5	5/16" Hose Barb
		Carbon dioxide	3102-CO2-HB4	3222U-CO2-HB4	1/4" Hose Barb
		Nitrogen	3102-NIT-HB4	3222U-NIT-HB4	1/4" Hose Barb
		Chemetron			
		Oxygen	3103-OXY-NT2		1/8" NPT Male
		Vacuum	3103-VAC-NT2		1/8" NPT Male
		Medical air	3103-AIR-NT2		1/8" NPT Male
		Nitrous Oxide	3103-N2O-NT2		1/8" NPT Male
		WAGD	3103-WAG-NT2		1/8" NPT Male
		Oxygen	3103-OXY-HB4		1/4" Hose Barb
		Vacuum	3103-VAC-HB5		5/16" Hose Barb
		Medical air	3103-AIR-HB4		1/4" Hose Barb
		Nitrous Oxide	3103-N2O-HB4		1/4" Hose Barb
		WAGD	3103-WAG-HB5		5/16" Hose Barb
Puritan-Bennett					
			Chrome-plated Brass	Stainless Steel	
		Oxygen	3104-OXY-NT2	3114-OXY-NT2	1/8" NPT Male
		Vacuum	3104-VAC-NT2	3114-VAC-NT2	1/8" NPT Male
		Medical air	3104-AIR-NT2	3114-AIR-NT2	1/8" NPT Male
		Nitrous Oxide	3104-N2O-NT2	3114-N2O-NT2	1/8" NPT Male
		WAGD	3104-WAG-NT2	3114-WAG-NT2	1/8" NPT Male
		Oxygen	3104-OXY-HB4	3114-OXY-HB4	1/4" Hose Barb
		Vacuum	3104-VAC-HB5	3114-VAC-HB5	5/16" Hose Barb
		Medical air	3104-AIR-HB4	3114-AIR-HB4	1/4" Hose Barb
		Nitrous Oxide	3104-N2O-HB4	3114-N2O-HB4	1/4" Hose Barb
		WAGD	3104-WAG-HB5	3114-WAG-HB5	5/16" Hose Barb
FS (AFNOR TYPE: NF S 90-116)					
		Oxygen	3105E-OXY-NT2		1/8" NPT Male
		Vacuum	3105E-VAC-NT2		1/8" NPT Male
		Medical air	3105E-AIR-NT2		1/8" NPT Male
		Nitrous Oxide	3105E-N2O-NT2		1/8" NPT Male
		Oxygen	3105E-OXY-HB4		1/4" Hose Barb
		Vacuum	3105E-VAC-HB5		5/16" Hose Barb
		Medical air	3105E-AIR-HB4		1/4" Hose Barb
		Nitrous Oxide	3105E-N2O-HB4		1/4" Hose Barb

Medical Gas Adapters

	Gases	Model Number	Connections
GS (DIN TYPE: DIN 13260-2)			
	Oxygen	3116-OXY-NT2	1/8" NPT Male
	Vacuum	3116-VAC-NT2	1/8" NPT Male
	Medical air	3116-AIR-NT2	1/8" NPT Male
	Nitrous Oxide	3116-N2O-NT2	1/8" NPT Male
	Carbon dioxide	3116-CO2-NT2	1/8" NPT Male
	Nitrogen	3116-NIT-NT2	1/8" NPT Male
	Anaesthetic Gas	3116-W-NT2	1/8" NPT Male
	Medical Air 800kPa	3116-AIR8-NT2	1/8" NPT Male
	Argon	3116-Ar-NT2	1/8" NPT Male
	Oxygen	3116-OXY-HB4	1/4" Hose Barb
	Vacuum	3116-VAC-HB5	5/16" Hose Barb
	Medical air	3116-AIR-HB4	1/4" Hose Barb
	Nitrous Oxide	3116-N2O-HB4	1/4" Hose Barb
	Carbon dioxide	3116-CO2-HB5	5/16" Hose Barb
	Nitrogen	3116-NIT-HB4	1/4" Hose Barb
	Anaesthetic Gas	3116-W-HB5	5/16" Hose Barb
	Medical Air 800kPa	3116-AIR8-HB4	1/4" Hose Barb
	Argon	3116-Ar-HB4	1/4" Hose Barb
BS (BS TYPE: BS 5682-1998)			
	Oxygen	3117-OXY-NT2	1/8" NPT Male
	Vacuum	3117-VAC-NT2	1/8" NPT Male
	Medical air	3117-AIR-NT2	1/8" NPT Male
	Nitrous Oxide	3117-N2O-NT2	1/8" NPT Male
	Carbon dioxide	3117-CO2-NT2	1/8" NPT Male
	Nitrogen	3117-NIT-NT2	1/8" NPT Male
	Medical Air 700kPa	3117-MA7-NT2	1/8" NPT Male
	Oxygen	3117-OXY-HB4	1/4" Hose Barb
	Vacuum	3117-VAC-HB5	5/16" Hose Barb
	Medical air	3117-AIR-HB4	1/4" Hose Barb
	Nitrous Oxide	3117-N2O-HB4	1/4" Hose Barb
	Carbon dioxide	3117-CO2-HB4	1/4" Hose Barb
	Nitrogen	3117-NIT-HB4	1/4" Hose Barb
	Medical Air 700kPa	3117-MA7-HB4	1/4" Hose Barb
JIS			
	Oxygen	3108-OXY-NT2	1/8" NPT Male
	Vacuum	3108-VAC-NT2	1/8" NPT Male
	Medical air	3108-AIR-NT2	1/8" NPT Male
	Nitrous Oxide	3108-N2O-NT2	1/8" NPT Male
	Oxygen	3108-OXY-HB4	1/4" Hose Barb
	Vacuum	3108-VAC-HB5	5/16" Hose Barb
	Medical air	3108-AIR-HB4	1/4" Hose Barb
	Nitrous Oxide	3108-N2O-HB4	1/4" Hose Barb
EN737-4 TYPE 1			
	Anaesthetic gas	3106-AGS	3/4" Hose Barb
EN737-4 TYPE 2			
	Anaesthetic gas	3106-W	5/16" Hose Barb

Click-Style Regulators

- 284MA, 285MA, 286MB series are oxygen regulators
287MA, 288MA series are air regulators
- Chrome-plated brass body (286MB) or 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



284MA-15LY
Click-Style Regulator with Hose Barb Outlet



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



286MB-15LY2
Click-Style Regulator with two DISS Outlets



287MA-15LY
Click-Style Regulator with Hose Barb Outlet



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

Model	Flow Settings(LPM)	DISS Outlet(s)	Delivery Pressure (psi)	Inlet connection*
Click-Style Oxygen Regulators				
284MA-4L	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA540
284MA-8L	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA540
284MA-15L	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA540
284MA-25L	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA540
284MA-15L1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA540
284MA-25L1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA540
284MA-15L2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA540
284MA-25L2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA540
284MA-4LY	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA870
284MA-8LY	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA870
284MA-15LY	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA870
284MA-25LY	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA870
284MA-15LY1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA870
284MA-25LY1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA870
284MA-15LY2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA870
284MA-25LY2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA870
MINI Click-Style Oxygen Regulators				
285MA-4L	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA540
285MA-8L	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA540
285MA-15L	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA540
285MA-25L	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA540
285MA-4LY	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA870
285MA-8LY	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA870
285MA-15LY	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA870
285MA-25LY	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA870

Click-Style Regulators

Model	Flow Settings(LPM)	DISS Outlet(s)	Delivery Pressure (psi)	Inlet connection*
Click-Style Oxygen Regulators				
286MB-4L	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA540
286MB-8L	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA540
286MB-15L	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA540
286MB-25L	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA540
286MB-15L1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA540
286MB-25L1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA540
286MB-15L2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA540
286MB-25L2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA540
286MB-4LY	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA870
286MB-8LY	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA870
286MB-15LY	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA870
286MB-25LY	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA870
286MB-15LY1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA870
286MB-25LY1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA870
286MB-15LY2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA870
286MB-25LY2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA870
Click-Style Air Regulators				
287MA-4L	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA346
287MA-8L	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA346
287MA-15L	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA346
287MA-25L	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA346
287MA-15L1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA346
287MA-25L1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA346
287MA-15L2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA346
287MA-25L2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA346
287MA-4LY	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA950
287MA-8LY	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA950
287MA-15LY	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA950
287MA-25LY	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA950
287MA-15LY1	0,0.5,1,2,3,4,5,6,7,8,10,15	1	50	CGA950
287MA-25LY1	0,0.5,1,2,3,4,5,6,8,10,15,25	1	50	CGA950
287MA-15LY2	0,0.5,1,2,3,4,5,6,7,8,10,15	2	50	CGA950
287MA-25LY2	0,0.5,1,2,3,4,5,6,8,10,15,25	2	50	CGA950
MINI Click-Style Air Regulators				
288MA-4L	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA346
288MA-8L	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA346
288MA-15L	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA346
288MA-25L	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	CGA346
288MA-4LY	0,0.25,0.5,0.75,1,1.25,1.5,2,2.5,3,3.5,4	-	50	CGA950
288MA-8LY	0,0.5,1,1.5,2,2.5,3,4,5,6,7,8	-	50	CGA950
288MA-15LY	0,0.5,1,2,3,4,5,6,7,8,10,15	-	50	CGA950
288MA-25LY	0,0.5,1,2,3,4,5,6,8,10,15,25	-	50	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

Flow Gauge Regulators

- 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



230M-5-2
Compact Flow Gauge Regulator
with CGA540 Nut and Nipple Inlet



230M-8Y1-1
Single Gauge Regulator
with Hose Barb Outlet and
CGA870 Yoke Inlet



230M-8YR-1
Flow Gauge Regulator
with Hose Barb Outlet, Rear
Entry Gauges and CGA870
Yoke Inlet

Model	Gases	Flow Range	Inlet Connection	Length	Outlet Connection
230M-5-2	Oxygen	0-5 LPM	CGA540	2"	9/16-18UNF
230M-5Y-2	Oxygen	0-5 LPM	CGA870	2"	9/16-18UNF
230M-8-2	Oxygen	0-8 LPM	CGA540	2"	9/16-18UNF
230M-8Y-2	Oxygen	0-8 LPM	CGA870	2"	9/16-18UNF
230M-8Y1-1	Oxygen	0-8 LPM	CGA870	1-1/8"	1/4" Hose Barb
230M-8YR-1	Oxygen	0-8 LPM	CGA870	1-1/8"	1/4" Hose Barb
230M-15-2	Oxygen	0-15 LPM	CGA540	2"	9/16-18UNF
230M-15Y-2	Oxygen	0-15 LPM	CGA870	2"	9/16-18UNF
230M-15YN-4	N ₂ O & O ₂ Mixture	0-15 LPM	CGA965	3.6"	9/16-18UNF
230M-45YN-4	N ₂ O & O ₂ Mixture	0-45 LPM	CGA965	3.6"	9/16-18UNF



230M-5A-6
Extended Flow Gauge Regulator
with CGA540 Nut and Nipple Inlet

Model	Gases	Flow Range	Inlet Connection	Length	Outlet Connection
230M-5A-6	Oxygen	0-5 LPM	CGA540	6"	9/16-18UNF
230M-8A-6	Oxygen	0-8 LPM	CGA540	6"	9/16-18UNF
230M-15A-6	Oxygen	0-15 LPM	CGA540	6"	9/16-18UNF

Flow Gauge Regulators

- 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



190M-8Y-2

Flow Gauge Regulator with CGA870 Yoke Inlet

Model	Gases	Flow Range	Inlet Connection	Length	Outlet Connection
190M-5-2	Oxygen	0-5 LPM	CGA540	2"	9/16-18UNF
190M-5H-3	Oxygen	0-5 LPM	CGA540 (Handtight Nut)	3"	9/16-18UNF
190M-5Y-2	Oxygen	0-5 LPM	CGA870	2"	9/16-18UNF
190M-8-2	Oxygen	0-8 LPM	CGA540	2"	9/16-18UNF
190M-8H-3	Oxygen	0-8 LPM	CGA540 (Handtight Nut)	3"	9/16-18UNF
190M-8Y-2	Oxygen	0-8 LPM	CGA870	2"	9/16-18UNF
190M-15-2	Oxygen	0-15 LPM	CGA540	2"	9/16-18UNF
190M-15H-3	Oxygen	0-15 LPM	CGA540 (Handtight Nut)	3"	9/16-18UNF
190M-15Y-2	Oxygen	0-15 LPM	CGA870	2"	9/16-18UNF



210M-15YR-1

Flow Gauge Regulator with Rear Entry Gauges and CGA870 Yoke Inlet



210M-45YN-2

Extended Flow Gauge Regulator with Rear Entry Gauges and CGA965 Yoke Inlet

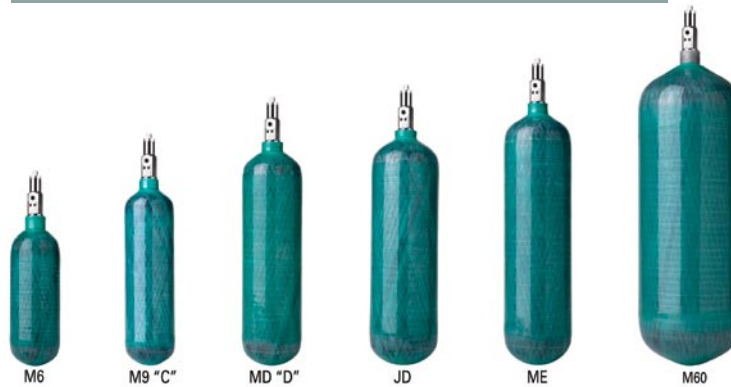
Model	Gases	Flow Range	Inlet Connection	Length	Outlet Connection
210M-5R-1	Oxygen	0-5 LPM	CGA540	1-1/8"	9/16-18UNF
210M-5YR-1	Oxygen	0-5 LPM	CGA870	1-1/8"	9/16-18UNF
210M-8R-1	Oxygen	0-8 LPM	CGA540	1-1/8"	9/16-18UNF
210M-8YR-1	Oxygen	0-8 LPM	CGA870	1-1/8"	9/16-18UNF
210M-15R-1	Oxygen	0-15 LPM	CGA540	1-1/8"	9/16-18UNF
210M-15YR-1	Oxygen	0-15 LPM	CGA870	1-1/8"	9/16-18UNF
210M-45YN-2	N ₂ O & O ₂ Mixture	0-45 LPM	CGA965	2"	9/16-18UNF

Aluminum Cylinders



Model	Mfg No.	Oxygen	Capacity	Outer Diameter		Height		Empty Weight	
		Cubic ft.	Liters*	in	mm	in	mm	lb	kg
CYLM4-8T	M4	4	113	3	76.2	9	228.6	1.6	0.7
CYLM6-8T	M6	5.8	164.5	3.21	81.41	11.8	299	2.2	1
CYLM6A-8T	M6A	6	171.1	4.38	111.13	7.8	198.12	2.8	1.3
CYLM9-8T	M9 "C"	8.8	248.4	4.38	111.13	10.6	270	3.7	1.7
CYLM9-8T	MD "D"	14.6	414.6	4.38	111.13	16.2	411.2	4.9	2.2
CYLMJD-8T	JD	22.9	647.1	5.25	133.35	17.1	435.1	8.9	4
CYLM9-8T	E	24.1	682.2	4.38	111.13	25.2	639.8	7.3	3.3
CYLM60-8T	M60	60.9	1723.6	7.25	184.15	23.5	569.9	22.5	10.2
CYLM9-8T	MM	121.9	3452.5	8	203.2	36.3	922.3	40	18.1

Carbon Composite Cylinders



Model	Mfg No.	Oxygen	Capacity	Outer Diameter		Height		Empty Weight	
		Cubic ft.	Liters*	in	mm	in	mm	mm	lb
CMCM6-8T	M6	6.4	183	3.3	85	9.9	251	1.5	0.7
CMCM9-8T	M9 "C"	8.6	244	3.3	84	12.2	310	1.7	0.8
CMCMD-8T	MD "D"	15.4	437	4	10	14.7	373	2.9	1.3
CMCJD-8T	JD	21.6	616	4.5	114	15.5	394	3.3	1.5
CMCME-8T	ME	24.1	687	4.5	114	17.2	437	3.7	1.7
CMCM60-8T	M60	66	1867	6.8	172	20.7	526	9.3	4.2

*Approximate gaseous liters when calculated with 2000psig pressure in cylinder for oxygen

Cylinder Valves



GMV-870T

GMV-870W

GMV-965W

GMV-540

Model	Connection	Outlet Connection
GMV-870T	3/4"-16UNF	CGA870
GMV-870W	3/4"-16UNF	CGA870
GMV-965W	3/4"-16UNF	CGA965
GMV-540	3/4"-16UNF	CGA540

Refilling Bridge

- Fill gas to small cylinders



CRB-CGA540-CGA870
Refilling Bridge with CGA540 inlet connection, CGA870 outlet connection

Note: Please contact Genstar Technologies Company, Inc. for more information.

Medical Hoses

- Available in custom lengths and configurations
- Available in a variety of gases
- Available in USA and ISO colors

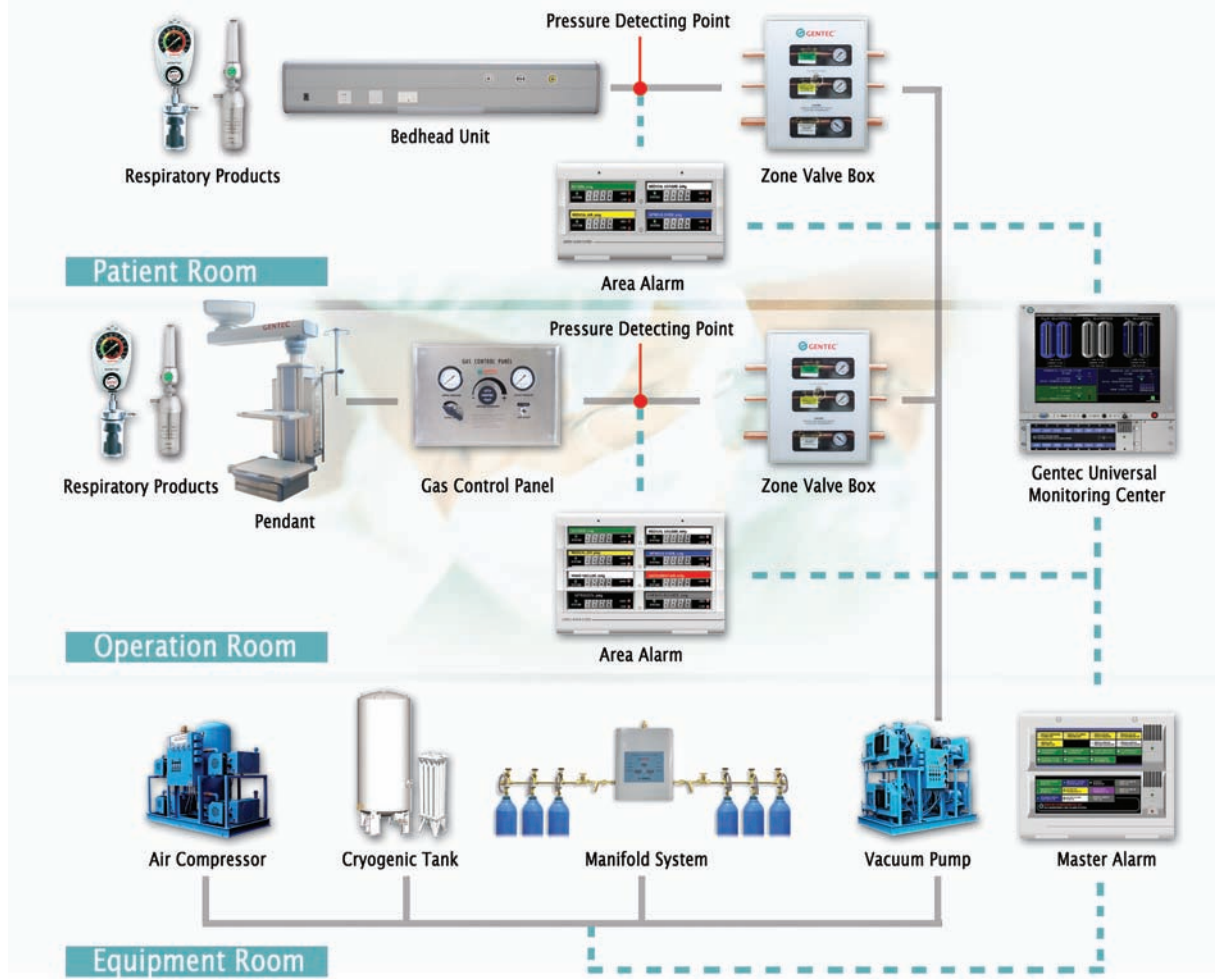


Model	Standard	Color	USA Gas Service	ISO Gas Service
3400GR-XXX	1/4"	Green	Oxygen	/
3400WH-XXX	1/4"	White	Vacuum	Oxygen
3400YE-XXX	1/4"	Yellow	Medical Air	Vacuum
3400BL-XXX	1/4"	Blue	Nitrous Oxide	Nitrous Oxide
3400PU-XXX	1/4"	Purple	WAGD	WAGD
3400GY-XXX	1/4"	Grey	Carbon Dioxide	Carbon Dioxide
3400BK-XXX	1/4"	Black	Nitrogen	Nitrogen
3500GR-XXX	5/16"	Green	Oxygen	/
3500WH-XXX	5/16"	White	Vacuum	Oxygen
3500YE-XXX	5/16"	Yellow	Medical Air	Vacuum
3500BL-XXX	5/16"	Blue	Nitrous Oxide	Nitrous Oxide
3500PU-XXX	5/16"	Purple	WAGD	WAGD
3500GY-XXX	5/16"	Grey	Carbon Dioxide	Carbon Dioxide
3500BK-XXX	5/16"	Black	Nitrogen	Nitrogen

XXX: lengths

Medical Gas Flow Solutions

MEDICAL GAS FLOW SOLUTIONS



Conversion Factors for Units of Pressure

TO CONVERT FROM TO	psi	mbar	bar	atm	Pa	KPa	MPa	cm H ₂ O @20 °C	in H ₂ O @20 °C	ft H ₂ O @20 °C	mm Hg @20 °C	in Hg @20 °C	kg/cm ²	ft.sea water
psi	1	68.9476	.0689476	.0680460	6894.76	6.89476	6.89476 x 10 ⁻³	70.433	27.730	2.3108	51.7149	2.03602	.0703069	2.2457
mbar	.0145038	1	.001	9.86923 x 10 ⁻⁴	100	.1	.0001	1.0215	.040218	.03352	.75006	.0295300	.0010197	.032571
bar	14.5038	1000	1	.986923	100000	100	.1	1021.5	402.18	33.52	750.06	29.5300	1.109716	32.571
atm	14.6965	1013.25	1.01325	1	101325	101.325	.101325	1035.08	407.511	35.959	760.0	29.9213	1.033227	33.032
Pa	1.450 ³⁸ x 10 ⁻⁴	.01	.00001	9.86923 x 10 ⁻⁶	1	.001	.000001	.010215	.0040218	3.352 x 10 ⁻⁴	7.5006 x 10 ⁻⁴	2.953 ⁰⁰ x 10 ⁻⁴	1.019716 x 10 ⁻⁵	3.2571 x 10 ⁻⁴
KPa	.145038	10.0	.010	.0098692	1000	1	.001	10.215	4.02118	.3352	7.5006	.295300	.0101972	.32571
MPa	145.0238	10000	10	9.8692	1000000	1000	1	10215	4021.18	335.2	7500.6	295.300	10.1972	325.71
cm H ₂ O@20 °C	.014198	.97891	9.7891 x 10 ⁻⁴	9.66105 x 10 ⁻⁴	97.891	.097891	9.7891 x 10 ⁻⁵	1	.3937	.035281	.73424	.028907	9.9821x 10 ⁻⁴	.031884
in H ₂ O@20 °C	.036063	2.4684	.0024684	2.45932 x 10 ⁻³	248.64	.24864	2.4864 x 10 ⁻⁴	2.5400	1	.083333	1.8650	.073424	.0025354	.080986
ft H ₂ O@20 °C	.432756	29.8368	.0298368	.294470	2983.68	2.98368	2.98368 x 10 ⁻³	30.480	12	1	22.380	.881089	.030425	.97183
mm Hg@20 °C	0193368	1.33322	.0013332	.0013158	133.322	.133322	1.33322 x 10 ⁻⁴	1.3619	.53620	.04468	1	.03937	.0013595	.043424
in Hg@20 °C	.491154	33.8639	.0338639	.0334211	3386.39	3.38639	3.3869 x 10 ⁻³	34.593	13.619	1.13491	25.400	1	.0345316	1.1030
kg/cm ²	14.2233	980.665	.980665	.967842	98060.5	98.0665	.0980665	1001.8	394.41	32.868	735.559	28.959	1	31.9410
ft.sea water	.4453	30.702	.030702	.030301	3070.2	3.0702	3.0702 x 10 ⁻³	31.3638	12.3482	1.02900	23.029	.90664	.031308	1

Conversion Factors for Units of Flow

TO CONVERT FROM TO	I/SEC	I/MIN(LPM)	m ³ /h	m ³ /min	ft ³ /h(SCFH)	ft ³ /min
I/SEC	1	60	3.6	.06	127.14	2.119
I/MIN(LPM)	.016667	1	.06	.001	2.119	.035317
m ³ /h	0.27777	16.667	1	.016667	35.3165	.058861
m ³ /min	16.667	1000	60	1	2119	35.3165
ft ³ /h(SCFH)	.007865	.47188	.028315	.00047188	1	.016667
ft ³ /min	.47188	28.3153	1.6989	.028315	60	1

Ohmeda® is a registered trademark of GE Healthcare
 Chemetron® is a registered trademark of Allied Healthcare Products Inc.
 Puritan Bennett® is a registered trademark of Mallinckrodt Inc.
 These registered trademarks are not associated with Genstar Technologies Co., Inc.



MEDICAL RESPIRATORY GAS PRODUCTS



GENSTAR TECHNOLOGIES COMPANY, INC.
10000 W. 10th Avenue
Denver, CO 80201
303.440.1000
www.genstar.com

Medical Gas Supply Company

For more information, please contact your local distributor or visit our website at
www.genstar.com for more information.