

GAS REGULATORS

Medical



ESSEX[™]
INDUSTRIES

INTEGRATED REGULATORS



INTEGRATED REGULATORS

Our UL listed Integrated regulators combine a cylinder, post valve, regulator and carrying handle into a single unit. These units are ideal for providing respiratory care to patients in hospitals, clinics, medical transportation and emergency situations. Essex offers a variety of configurations to meet specific situations and requirements.

Integrated regulators are manufactured of nickel plated brass for increased safety and durability. Color coded handles allow for fast identification of the correct unit. UL listed pressure gauges are covered with patented heavy duty protectors. Vinyl dipped handles are angled to protect the regulator.

Essex integrated regulators are available with or without cylinders. See page 14 for cylinders.

- Plated brass construction for increased durability
- Color coded handles for easy identification of gas or application
- Large gauge with patented heavy duty protective cover
- Fits all standard cylinders with .750 16 UNF -2A
- CGA 540 filling valve
- 345 kPa | 50 PSI operating pressure



STANDARD

MODEL # 2553-25

FLOW RANGE 0-25 L/min
FLOW SETTINGS 0 | .25 | .50 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 10.0 | 15.0 | 25.0

DESCRIPTION
Standard Green Handle, Barbed Outlet, DISS 1240 check valve

PEDIATRIC

MODEL # 2555-04

FLOW SETTINGS 0 | .03 | .06 | .12 | .25 | .50 | .75 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0
FLOW RANGE 0-4 L/min

DESCRIPTION
Standard Blue Handle, Barbed Outlet



MRI

MODEL # 2556-25

FLOW RANGE 0-25 L/min
FLOW SETTINGS 0 | .25 | .50 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 10.0 | 15.0 | 25.0

DESCRIPTION
Standard Orange Handle, DISS 1240 check valve, Barbed Outlet, Oxygen regulator, non-magnetic components are fully compatible with 3 Tesla MRI equipment.

MRI MEDICAL AIR

FLOW SETTINGS 0 | .25 | .50 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 10.0 | 15.0 | 25.0
FLOW RANGE 0-25 L/min

DESCRIPTION
Standard Yellow Handle, DISS 1160 connection, Barbed Outlet, CGA 346 filling valve, Medical Air regulator, non-magnetic components are fully compatible with 3 Tesla MRI equipment.



EMS

MODEL # 2554-25

FLOW RANGE 0-25 L/min
FLOW SETTINGS 0 | .25 | .50 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 10.0 | 15.0 | 25.0

DESCRIPTION
Short Green Handle, DISS 1240 check valve, 180° Swivel port, flow setting and gauge are all on the same side for easy administration and monitoring. Designed to fit tight spaces on transport carts and ambulances.

HELIOX

FLOW SETTINGS 0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 8.0 | 10.0 | 12.0 | 15.0 | 18.0 | 20.0
FLOW RANGE 0-20 L/min

DESCRIPTION
Standard Brown Handle, primary shut off valve, Barbed Outlet, secondary barbed outlet for medication flows at 11 L/min.
80/20 Helium/Oxygen Ratio
70/30 Helium/Oxygen Ratio



PREMIUM OXYGEN REGULATORS

CGA 870

Engineered and manufactured to the highest tolerances in the industry, and deliver precise flow rates at all settings. Essex premium regulators feature anodized aluminum bodies with all brass high pressure conduits. Our five year warranty covers defects in material or workmanship. In addition, all premium oxygen regulators are **made in the US and are fully serviceable for extended life.**

- Extended body accommodates humidifier
- Green anodized aluminum body for lightweight design
- Ergonomic five-lobe knob for easy hand tightening
- Easy to read 1 1/2" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards

345 kPa 50 PSI Extended Body DISS 1240 Outlet 16 cm 6.18 in Operating Pressure 138 BAR 2000 PSI	MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
	2020-02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
	2020-04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
	2020-06	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
	2020-08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
	2020-15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
	2020-25	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
	2020-64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



138 kPa 20 PSI Barbed Outlet 12 cm 4.68 in Operating Pressure 138 BAR 2000 PSI	MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
	1531873200-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
	1531873200-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
345 kPa 50 PSI Barbed Outlet 12 cm 4.68 in Operating Pressure 138 BAR 2000 PSI	1531872200-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
	1531872200-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
	1531872200-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
	1531872200-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
	1531872200-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
	1531872200-6	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
	1531872200-8	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0

345 kPa 50 PSI Right Hand Gauge Barbed Outlet 12 cm 4.68 in Operating Pressure 138 BAR 2000 PSI	1531872400-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
	1531872400-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
	1531872400-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
	1531872400-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
	1531872400-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0

345 kPa 50 PSI Right Hand Gauge DISS 1240 Check Valve 12 cm 4.68 in Operating Pressure 138 BAR 2000 PSI			
	1531872400-6	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0



PREMIUM OXYGEN REGULATORS



CGA 870

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- Extended body accomodates humidifier
- Green anodized aluminum body for lightweight design
- Ergonomic five-lobe knob for easy hand tightening
- Easy to read 1 1/2" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE and standards
- All models available with brass bodies



345 kPa | 50 PSI
DISS 1240 Outlet & Tree Adaptor
12 cm | 4.68 in
Operating Pressure
138 BAR | 2000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
1531872500-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
1531872500-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531872500-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531872500-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531872500-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
1531872500-8	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
MRI Compatible, 3 Tesla
Barbed Outlet
12 cm | 4.68 in
Operating Pressure
138 BAR | 2000 PSI

2018-25	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
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PREMIUM PLATED BRASS REGULATORS

PREMIUM PLATED BRASS

Plated brass regulators provide an increased level of safety and security. These regulators are ideal for situations where a higher level of ruggedness and protection is necessary. **Made of US produced solid brass**, these regulators are also available in configurations that meet ISO 10524-1 standards.

- Easy to read heavy duty gauge with patented protective cover
- All brass body construction
- Ergonomically friendly five-lobe knob simplifies hand-tightening
- Meets ASTM-G175-03 promoted ignition standards
- Five year warranty
- Conforms to CE standards



EMS

345 kPa | 50 PSI
CGA 870
12 cm | 4.68 in
Operating Pressure
138 BAR | 2000 PSI

345 kPa | 50 PSI
CGA 540
14 cm | 5.76 in
Operating Pressure
138 BAR | 2000 PSI

CGA 870

345 kPa | 50 PSI
Barbed Outlet
15 cm | 5.66 in
Operating Pressure
138 BAR | 2000 PSI



FLOW RANGE	FLOW SETTINGS
0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0

MODEL NUMBER	DESCRIPTION
1539113800-1	One 3/16 ID Barbed Outlet, 0-25 L/min
1539113800-2	One 3/16 ID Barbed Outlet, One High Flow DISS 1240 Demand Outlet, 0-25 L/min
1539113800-3	One 3/16 ID Barbed Outlet, Two High Flow DISS 1240 Demand Outlets, 0-25 L/min
1539113800-4	One 3/16 ID Barbed Outlet, Anti-Vibration Lock, 0-15 L/min
1539113800-5	One 3/16 ID Barbed Outlet, One High Flow DISS 1240 Demand Outlet, 0-15 L/min
1539113800-6	One 3/16 ID Barbed Outlet, Two High Flow DISS 1240 Demand Outlets, 0-15 L/min
1539115900-1	One 3/16 ID Barbed Outlet, 0-25 L/min
1539115900-2	One 3/16 ID Barbed Outlet, One High Flow DISS 1240 Demand Outlet, 0-25 L/min
1539115900-3	One 3/16 ID Barbed Outlet, Two High Flow DISS 1240 Demand Outlets, 0-25 L/min
1539115900-4	One 3/16 ID Barbed Outlet, Anti-Vibration Lock, 0-15 L/min
1539115900-5	One 3/16 ID Barbed Outlet, One High Flow DISS 1240 Demand Outlet, 0-15 L/min
1539115900-6	One 3/16 ID Barbed Outlet, Two High Flow DISS 1240 Demand Outlets, 0-15 L/min



1531872600-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
1531872600-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531872600-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531872600-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531872600-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0

PREMIUM OXYGEN REGULATORS

CGA 540

Essex premium regulators feature anodized aluminum bodies with all brass high pressure conduits. Engineered and manufactured to the highest tolerances in the industry, Essex regulators deliver the precise flow rates at all settings. The five year warranty covers defects in material or workmanship. In addition, all premium regulators are **made in the US and are fully serviceable for extended life.**

- Green anodized aluminum body for lightweight design
- Easy to read 1 1/2" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards



138 kPa | 20 PSI
Barbed Outlet
13 cm | 5.15 in
Operating Pressure
138 BAR | 2000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
2106-04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
2106-06	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
2106-08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
2106-64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0

345 kPa | 50 PSI
Barbed Outlet
13 cm | 5.15 in
Operating Pressure
138 BAR | 2000 PSI

1531872700-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
1531872700-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531872700-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531872700-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531872700-5	0-15 L/min	0 .5 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
1531872700-8	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
DISS 1240 Outlet & Tree Adaptor
13 cm | 5.15 in
Operating Pressure
138 BAR | 2000 PSI

1531872800-1	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
1531872800-2	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531872800-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531872800-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531872800-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
1531872800-8	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
DISS 1240 Outlet
15 cm | 7 in
Operating Pressure
278 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
2108-02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
2108-04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
2108-06	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
2108-08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
2108-15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
2108-25	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
2108-64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



MINI REGULATORS

138 kPa | 20 PSI
Barbed Outlet
10 cm | 3.8 in
Operating Pressure
138 BAR | 2000 PSI

1531871600-7	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531871600-1	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531871600-2	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0

345 kPa | 50 PSI
Barbed Outlet
10 cm | 3.8 in
Operating Pressure
138 BAR | 2000 PSI

1531871600-10	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
1531871600-8	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
1531871600-4	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531871600-5	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531871600-6	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0



PREMIUM OXYGEN REGULATORS

CGA 540

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- Blue anodized aluminum body for lightweight design
- Easy to read 1 ½" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards



345 kPa | 50 PSI
DISS 1240 Outlet
13.1 cm | 5.15 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
5419110100-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
5419110100-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
5419110100-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
5419110100-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
5419110100-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
5419110100-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
Barbed Outlet
13.1 cm | 5.15 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
5419110200-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
5419110200-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
5419110200-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
5419110200-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
5419110200-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
5419110200-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
DISS 1240 Outlet
17.9 cm | 7.05 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
5429110100-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
5429110100-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
5429110100-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
5429110100-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
5429110100-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
5429110100-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
Barbed Outlet
17.9 cm | 7.05 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
5429110200-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
5429110200-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
5429110200-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
5429110200-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
5429110200-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
5429110200-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0

PREMIUM OXYGEN REGULATORS

BS 341

Essex premium regulators feature anodized aluminum bodies with all brass high pressure conduits. Engineered and manufactured to the highest tolerances in the industry, Essex regulators deliver the precise flow rates at all settings. The five year warranty covers defects in material or workmanship. In addition, all premium regulators are **made in the US and are fully serviceable for extended life.**

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- Easy to read 1 ½" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards



345 kPa | 50 PSI
DISS 1240 Outlet
13.9 cm | 5.46 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
3419110100-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
3419110100-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
3419110100-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
3419110100-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
3419110100-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
3419110100-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
Barbed Outlet
13.9 cm | 5.46 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
3419110200-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
3419110200-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
3419110200-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
3419110200-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
3419110200-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
3419110200-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
DISS 1240 Outlet
17.9 cm | 7.05 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
3429110100-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
3429110100-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
3429110100-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
3429110100-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
3429110100-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
3429110100-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



345 kPa | 50 PSI
Barbed Outlet
17.7 cm | 6.96 in
Operating Pressure
207 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
3429110200-B02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
3429110200-B04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
3429110200-B08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
3429110200-B15	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
3429110200-B25	0-25 L/min	0 .25 0.5 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0
3429110200-B64	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



PREMIUM OXYGEN REGULATORS

DIN 477/UNIVERSAL

Essex premium regulators feature anodized aluminum bodies with all brass high pressure conduits. Engineered and manufactured to the highest tolerances in the industry, Essex regulators deliver the precise flow rates at all settings. The five year warranty covers defects in material or workmanship. In addition, all premium regulators are **made in the US and are fully serviceable for extended life.**

- Green anodized aluminum body for lightweight design
- Easy to read 1 ½" gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with a sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards



DIN 477 #9

345 kPa | 50 PSI
DISS 1240 Outlet
17 cm | 6.6 in
Operating Pressure
278 BAR | 3000 PSI

MODEL NUMBER	FLOW RANGE	FLOW SETTINGS
2223-02	0-2 L/min	0 .10 .20 .30 .40 .50 .60 .70 .80 1.0 1.5 2.0
2223-04	0-4 L/min	0 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 3.0 4.0
2223-06	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
2223-08	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
2223-15	0-15 L/min	0 .5 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
2223-1	0-4 L/min	0 .015 .03 .06 .12 .25 .50 .75 1.0 1.5 2.0 4.0



¼-18 NPT

345 kPa | 50 PSI
DISS 1240 Outlet
9 cm | 3.5 in
Operating Pressure
278 BAR | 3000 PSI

1531872900-3	0-6 L/min	0 .25 .50 .75 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0
1531872900-4	0-8 L/min	0 .50 1.0 1.5 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0
1531872900-5	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0



¼-18 NPT
PLATED BRASS

345 kPa | 50 PSI
Barbed Outlet
2 DISS 1240 High Flow Check Valves
10 cm | 3.9 in
Operating Pressure
278 BAR | 3000 PSI

1531873000-1	0-15 L/min	0 .50 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.0 15.0
1531873000-2	0-25 L/min	0 .25 .50 1.0 2.0 3.0 4.0 6.0 8.0 10.0 15.0 25.0

PREMIUM HELIOX REGULATORS

HELIOX

Heliox regulators are constructed of anodized aluminum bodies with all brass high pressure conduits. These units are available for various helium/oxygen blend ratios and tank connections. Heliox regulators are **made in the US and are fully serviceable for extended life.** The flow rate and settings for all heliox regulators are as follows:

FLOW RANGE	FLOW SETTINGS
0-20 L/min	0 1.0 2.0 3.0 4.0 5.0 8.0 10.0 12.0 15.0 18.0 20.0

- Brown anodized aluminum body for lightweight design
- Easy to read 1 ½ " gauge protected with durable cover
- Single-piece body construction provides a robust, long-lasting regulator
- Flame arrestor manufactured with sintered bronze filter
- Click style regulator ensures precise selection of flow rate
- Meets ASTM G175-03 standards for promoted ignition & adiabatic compression
- Fully serviceable regulator; See page 15 for replacement parts
- Conforms to CE standards



CGA 890

345 kPa | 50 PSI
Barbed Outlet
12 cm | 4.68 in
Operating Pressure
138 BAR | 2000 PSI

MODEL NUMBER	DESCRIPTION
2210-20	70:30 Helium Oxygen ratio, CGA 890
2214-20	70:30 Helium Oxygen ratio, CGA 890, with DISS 1180 Outlet
2211-20	80:20 Helium Oxygen ratio, CGA 890
2215-20	80:20 Helium Oxygen ratio, CGA 890, with DISS 1180 Outlet



CGA 280

345 kPa | 50 PSI
Barbed Outlet
12 cm | 4.68 in
Operating Pressure
138 BAR | 2000 PSI

2212-20	70:30 Helium Oxygen ratio, CGA 280
2216-20	70:30 Helium Oxygen ratio, CGA 280, with DISS 1180 Outlet
2213-20	80:20 Helium Oxygen ratio, CGA 280
2217-20	80:20 Helium Oxygen ratio, CGA 280, with DISS 1180 Outlet

HELIOX CYLINDER

- Plated brass construction
- Large 1½" gauge
- 1.125-12 UNF-2A connection fits MM, M60, M90, M122 cylinders
- Integrates shut off valve to eliminate the loss of heliox
- Integrated cylinder fill port
- Primary outlet for delivery of prescribed dose of heliox
- Secondary outlet administers medication at 11 L/min

4503-1	80:20 Helium / Oxygen ratio
4503-2	70:30 Helium / Oxygen ratio
450312-1	Shroud



CYLINDERS

MODEL NUMBER	DESCRIPTION
MC-870T	Aluminum Oxygen "C" Cylinder M9 (Green Top)
MD-870T	Aluminum Oxygen "D" Cylinder (Green Top)
ME-870T	Aluminum Oxygen "E" Cylinder (Green Top)
MM22-CYL-I	Aluminum Oxygen "M22" Cylinder
MM60-CYL	Aluminum Oxygen "M60" Cylinder
MM90-CYL	Aluminum Oxygen "M90" Cylinder



REPLACEMENT PARTS & ACCESSORIES FOR INTEGRATED REGULATORS

4211340104-1	Rupture Disk Kit
5800450500-1	Gauge Protector, Heavy Duty, Black
5800450500-3	Gauge Protector, Heavy Duty, Orange
5800530100-1	Pressure Gauge, 0-3000 PSIG, Heliox
1539114902-2	Handle, Green, Integrated Regulator
250201-2	Handle, Green, Integrated Regulator, Short
1539114902-1	Handle, No Coating, Integrated Regulator
1539114902-3	Handle, Brown, Heliox Integrated Regulator
251605-3	Handle, Orange, MRI Integrated Regulator
250201-3	Handle, Orange, MRI Integrated Regulator, Short
252103-1	Screw, Integrated Regulator Handle
1531701111-6	Knob, 0-25 L/min, EMS Regulator w/ D-clip
1530530301-4	Knob, 0-4 L/min, Integrated Regulator w/ D-clip
1530530301-7	Knob, 0-25 L/min, Integrated Regulator w/ D-clip
251610-7	Knob, 0-25 L/min, MRI Integrated Regulator w/ D-clip
251402-1	Knob, 0-25 L/min, EMS Regulator w/ D-clip
450211-1	Knob, 0-20 L/min, Heliox Integrated Regulator w/ D-clip
7008-1	Integrated Regulator Disconnect
4209110100-2	High Pressure Filling Valve with Hand Wheel
4209110100-1	High Pressure Filling Valve with Knurled Ring
4209110100-3	CGA 540 Disconnect
1202-1	Humidifier Attachment with Humidifier Bottle
1202-2	Humidifier Attachment without Humidifier Bottle
1203-1	Humidifier Adapter



5800450500-1
Gauge Protector, Heavy Duty, Black

REPLACEMENT PARTS FOR REGULATORS & CYLINDER ACCESSORIES

MODEL NUMBER	DESCRIPTION
8701V	Cylinder/Regulator Viton washer w/brass outer ring, reusable (pkg of 25)
5800450400-1	Gauge Kit (Oxygen Pressure Gauge, 0-3000 PSI and Boot)
5800450100-1	Pressure Gauge, 0-3000 PSI, Oxygen
252301-1	Pressure Gauge, 0-4000 PSI, Oxygen
5800450200-1	Gauge Protector (Boot)
1530893304-1	Knob, Five-Lobed
1530670129-3	Retainer, T-Handle
1779110201-1	Barbed Fitting, 50 PSI, Metal to Metal Seal (Integrated Regulator)
1530710403-1	Barbed Fitting, 20 PSI, Gasket Seal
8508-3	Swivel Barbed Fitting
0359110113-1	DISS 1240 Outlet Fitting, Gasket Seal
0359110120-1	DISS 1240 Outlet Fitting
1530710404-1	Gasket for 1530710403-1 & 0359110113-1
8505-1	DISS 1240 Check Valve, 50 PSIG, Inlet Filter (Tapered Thread)
8511-1	DISS 1240 Check Valve, 50 PSIG, Inlet Filter (Straight Thread)
1530710401-4	Knob, 0-4 L/min, Regulator
1530710401-1	Knob, 0-6 L/min, Regulator
1530710401-2	Knob, 0-8 L/min, Regulator
1530710401-3	Knob, 0-15 L/min, Regulator
1530710401-7	Knob, 0-25 L/min, Regulator
1531701111-6	Knob, 0-25 L/min, EMS (all brass) Regulator
2800510101-1	Pin, Rx Lock
USR1850	Dual Lumen Cannula, 5'
USR1850C	Dual Lumen Cannula, 5' (case of 25 each)
UW0704	Small-cylinder (CGA 870) wrench with chain, (pkg of 10)
U-001-50	O-rings, Teflon – for use between cylinder and valve (pkg of 50)
1702	CGA 870 Post Valve
1704	CGA 870 Toggle Valve
03591108D1	Flow Selector
210702-1	Inlet Gasket (for 2200 Series Regulators)
222102-1	Inlet Gasket (for 2221 Series Regulators)
1530810105-1	O-Ring (Blue Silicon)
M59068-006	O-Ring (Red Silicon)
1530670107-2	Guide
1530670110-1	Shims
15307112B1-2	Piston with O-Rings
1530670108-1	Spring
A5005-125	Retaining Ring



0359110120-1
DISS 1240 Outlet Fitting



5800450100-1
Pressure Gauge, 0-3000 PSI, Oxygen



8701V
Cylinder/Regulator viton washer w/ brass outer ring, reusable (pkg of 25)



USR1850
Dual Lumen Cannula, 5'

MEDICAL ACCESSORIES

PORTABLE LOX CARTS & RACKS

MODEL NUMBER	DESCRIPTION
UF1150	Basket size 7"H x 7"W x 5"D
UF1152	Basket size 8.5"H x 8.5"W x 7"D
UF1153	Basket size 9"H x 10.5"W x 7.5"D
UF1154	Oval shaped ring 12"H x 7"W x 4.25"D
UF1155	Oval shaped ring 10"H x 7.5"W x 6.5"D
UF1160	Basket size 7"H x 7.25"W x 5.9"D Wheelchair Rack
UF1162	Basket size 8.5"H x 8.5"W x 7"D Wheelchair Rack
UF1163	Basket size 9"H x 10.5"W x 7.5"D Wheelchair Rack

SINGLE CYLINDER CARTS
CHROME/POWDER COATED

USR004	Single D or E Cylinder Cart, Adjustable
USR005	Rubber Tips for Adjustable Cart, P/N USR004
USR006	Replacement Screws for Adjustable Cart, P/N USR004
UF2000	Single M6 Cylinder Cart, non-adjustable 39.5" handle height
UF4000	Single ML6 Cylinder Cart, non adjustable 39.5" handle height
UF1135	Holds 5.5" Cylinder, rings 11" apart (M22 Cylinder)
UF1140	Holds 7.75" Cylinder, rings 14" apart (M60, M90 Cylinder)
UF1142	Holds 8.5" Cylinder, rings 14" apart (MM Cylinder)



MULTIPLE CYLINDER CARTS

MODEL NUMBER	DESCRIPTION
UF1055	Holds 2 D or E Cylinders - 6" Wheels
UF1060	Holds 4 D or E Cylinders - 6" Wheels, Rear Only
UF1070	Holds 6 D or E Cylinders - 6" Wheels, Rear Only
UF2055	Holds 2 M6 Cylinders - 6" Wheels
UF1075	Holds 12 C, D or E Cylinders - 10" Wheels, Rear, 3" Casters w/ locks
UF1080	Holds 24 C, D or E Cylinders - 10" Wheels, Rear, 4" Casters w/ locks
UF2075	Holds 12 M6 Cylinders - 10" Wheels, Rear, 3" Casters
UF2080	Holds 24 M6 Cylinders - 10" Wheels, Rear, 4" Casters
UA6041	Holds 4 D or E Cylinders - 10" Wheels, Rear Only
UA6061	Holds 6 D or E Cylinders - 10" Wheels, Rear Only
UA6121	Holds 12 D or E Cylinders - 10" Wheels, Rear Only
UA6064	Holds 6 D or E Cylinders - 10" Wheels, Rear, 4" Casters w/ locks
UA6184	Holds 18 D or E Cylinders - 4" Casters w/ locks
UA6244	Holds 24 D or E Cylinders - 4" Casters w/ locks
UA6304-M6	Holds 30 M6 Cylinders - 4" Casters w/ locks
UA6604-M6	Holds 60 M6 Cylinders - 4" Casters w/ locks
UA6246	Holds 24 D or E Cylinders - 6" Casters, 2 front rubber swivel with brake, 2 rear rubber rigid
UA6406	Holds 40 D or E Cylinders - 6" Casters, front & rear rubber swivel w/ brake, 2 center rubber rigid

LAYERED MULTIPLE CYLINDER CARTS

UALC25-4	Holds 25 D, E or 50 M7, M9/C Cylinders
UALC50-4	Holds 50 D, E or 100 M7, M9/C Cylinders
UALC84-M6	Holds 84 M4 or M6 Cylinders
UALC168-M6	Holds 168 M4 or M6 Cylinders
UACB50-4	Holds 68 D, E, M9/C or 130+ M4, M6/B Cylinders



STANDS, MOUNTS & DELIVERY TRUCKS

MODEL NUMBER	DESCRIPTION
UA610-CS	Cylinder Stand for One D or E Cylinder, Green Coated
UA6108-CSM	Cylinder Stand for One 7.5" to 8.25" Diameter Cylinder, Green Coated
UA6108-CSM60	Cylinder Stand for One 6.5" to 7.25" Diameter Cylinder, Green Coated
UA610F-E	Cylinder Stand for One 7" to 9.5" Diameter Cylinder, Green Coated
UA610WC	Cylinder Stand for One D or E Cylinder, Green Coated, Wheelchair Mount
UF1115	Cylinder Stand for One D or E Cylinder, Chrome, Wheelchair Mount
UF1120	Cylinder Stand for One D or E Cylinder, Chrome, Hospital Cart Wheelchair Mount
UF2115	Cylinder Stand for One M6 Cylinder, Chrome, Wheelchair Mount
UABM-100	Bench Mount for One 7" to 9.5" Diameter Cylinder, Nylon Belting
UABM-100C	Bench Mount for One 7" to 9.5" Diameter Cylinder, Safety Chain
UF1182	Hand Truck, Liquid Reservoir, Holds One Cylinder, 21.5" wide, Flat-free 10" tires, Stair Climber, Base Plate 14.5"
UF1186	Hand Truck, 15.75" wide, Holds One Cylinder, Flat-free 10" tires, Stair Climber, Base Plate 10"
UF1190	Hand Truck, 15.75" wide, Holds One Cylinder, Two Flat-free 10" tires, Base Plate 10"
UF1222	Hand Truck, 25.75" wide, Holds Two Cylinders, Two Flat-free 10" tires, Base Plate 20"
UF1201	Hand Truck, 15.75" wide, Holds One Cylinder, Two Flat-free 10" tires, One rear swivel locking caster, Base Plate 10"
UF1210	Hand Truck, 15.75" wide, Holds One Cylinder, Two Flat-free 10" tires, Two rear swivel locking casters, Base Plate 10"
UF1225	Hand Truck, 25.75" wide, Holds Two Cylinders, Two Flat-free 10" tires, Two rear swivel locking casters, Base Plate 20"

BAGS & CARTS

BM4V	M4 Vertical Shoulder Bag
BM6V	M6 Vertical Shoulder Bag
BMCV	C Vertical Shoulder Bag
BMDV	D Vertical Shoulder Bag
300107-1	Carry Bag for Escort
BX-EXTENDER	Extension Belt for Carry Bag
USR02X-E	E Cylinder Carry Bag, Holds 2
USR02X-U	M6, C, D or ML6 Universal Carry Bag

RACKS & BRACKETS

MODEL NUMBER	DESCRIPTION
UF1086	Holds 4 D or E Cylinders with "Milkman Style" Handle
UF1085	Holds 4 C, D, or E Cylinders
UF1095	Holds 6 C, D or E Cylinders
UF1100	Holds 8 C, D or E Cylinders
UF1105	Holds 12 C, D or E Cylinders
UF1110	Holds 24 C, D or E Cylinders
UF2095	Holds 6 M6 Cylinders
UF2096	Holds 6 M6 Cylinders with "Milkman Style" Handle
UF2100	Holds 8 M6 Cylinders
UF2105	Holds 12 M6 Cylinders
UF2110	Holds 24 M6 Cylinders
UA6040	Holds 4 D or E Cylinders
UA6060	Holds 6 D or E Cylinders
UA6120	Holds 12 D or E Cylinders
UA6180	Holds 18 D or E Cylinders
UA6240	Holds 24 D or E Cylinders
UA6400	Holds 40 D or E Cylinders
UA6100-M6	Holds 10 M4 or M6 Cylinders
UA6300-M6	Holds 30 M4 or M6 Cylinders
UA6600-M6	Holds 60 M4 or M6 Cylinders
UALR25	Holds 25 D, E, or 50 M7, M9/C Cylinders Horizontally
UALR50	Holds 50 D, E, or 100 M7, M9/C Cylinders Horizontally
UALR84-M6	Holds 84 M4 or M6 Cylinders Horizontally
UALR168-M6	Holds 168 M4 or M6 Cylinders Horizontally
UF6520	Holds 70 M4 or M6 Cylinders Horizontally
UAWB-100	Wall Bracket, Holds One 7 to 9.5" Dia. Cylinder, Heavy Duty Nylon Belting
UAWB-200	Wall Bracket, Holds Two 7 to 9.5" Dia. Cylinders, Heavy Duty Nylon Belting
UAWB-100C	Wall Bracket, Holds One 7 to 9.5" Dia. Cylinder, Bright Plated Safety Chain
UAWB-100-15	Wall Bracket, Holds One 10 to 16" Dia. Cylinder, Heavy Duty Nylon Belting
UAWB-200-15	Wall Bracket, Holds Two 10 to 16" Dia. Cylinders, Heavy Duty Nylon Belting



