



Sechrist Air / Oxygen Mixers

FEATURE OVERVIEW

Sechrist Air / Oxygen Gas Mixers provide for precise mixing of air and oxygen for many clinical applications. Sechrist Air / Oxygen Mixers are available in high flow or low flow configurations and are available for general or specific applications. Sechrist controls every step of design, engineering, manufacture and service of all of our products to assure an unmatched level of quality, performance, safety and patient comfort. Sechrist can also customize the Air / Oxygen Mixers to meet the specific needs of our healthcare partners.



SIMPLE - It is well understood that if a device can be designed to perform its intended task in a straight forward and simple manner, the better it will accomplish its function. A simple design resulting in lower costs, increased reliability and lower maintenance costs. Sechrist mixers are consistently less complex than competitive devices.

ACCURATE - The precise design of Sechrist mixers provides assurance of oxygen concentration accuracy within +/- 3* percentage point even in circumstances involving wide variances in supply gas pressures.

VERSATILE - Pole or wall mounting configurations as well as dual outlet connections are available for most models.

FILTRATION - Sechrist mixers incorporate integral filtration of supply gases. A 0.1-micron water trap/ filter is provided for the air inlet connection and both gas supply connections are protected by 7 micron sintered stainless steel (non-corroding) filters.

SAFETY - In the event of a supply gas failure, an audible alarm is triggered as well as an assurance that gas from the remaining supply source will continue to be delivered.

CUSTOMIZED - Custom designs can be manufactured for desired specifications and applications.

Codes And Standards

Sechrist Industries' design, manufacturing services and installation systems are certified to ISO 13485 Quality Assurance Standard for Medical Devices. In addition, Sechrist's Air/ Oxygen Mixers are designed, fabricated, assembled, tested, and installed in accordance with the following codes and standards, current editions:

- NFPA 99 Health Care Facilities
- U.S. FDA Requirement, 21 Code of Federal Regulations, Part 820
- CMDCAS – Canadian Medical Conformity Assessment System
- CAN/CSA Std. 22.2, No. 601.1
- IEC 60601-1



Registered Address:
Obelis s.a.
Bd. Général Wahis 53
B-1030 Brussels, Belgium
Phone: 32.2.732.59.54
Fax: 32.2.732.60.03
E-mail: mail@obelis.net
Representative: Mr. Gideon ELKAYAM (CEO)



Sechrist Industries, Inc.

4225 E. La Palma Avenue
Anaheim, CA 92807 USA

Phone: 714-579-8400 • Fax: 714-579-0814
USA and Canada: 1-800 SECHRIST (732-4747)

Website: www.sechristusa.com • email: info@sechristusa.com

CE 0120

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Sechrist Air / Oxygen Mixers

SPECIFICATIONS

Sechrist Air / Oxygen Gas Mixers - Model 20090 & Model 3500 CP-G

Provides for precise mixing of air and oxygen for many clinical applications. Models 20090 & 3500 CP-G gas mixers are specifically designed for ECMO and Heart-Lung Bypass applications.

Accuracy*: +/- 3% • Maximum Flow at 60% FIO₂ and 50 psi Supply Pressure: 40 LPM
Bleed Flow: 3.0 - 4.0 LPM @ 8 LPM Flow Rate • FIO₂ Range: 0.21 +0.01 to 1.0 -0.1
Gas Supply Range: 50 psi +/- 10 psi



Model 20090

Standard Accessories:
0-10 LPM flowmeter
1000 ml flowmeter
100-1400 ml CO₂ flowmeter
Water Trap Assembly
14ft air hose/14ft oxygen hose

For export only. Not sold or offered for sale in domestic commerce. Not CE marked.

Model 3500 CP-G

Standard Accessories:
0-10 LPM flowmeter
1000 ml flowmeter
Water Trap Assembly

Optional Accessories:
14ft air hose/14ft oxygen hose



Sechrist Air / Oxygen Gas Mixers - Model 20457 & Model 20459

Provides for precise mixing of air and oxygen for many clinical applications. Models 20457 and 20459 are low flow mixers designed for general applications. 20457 utilizes a wall mount configuration and 20459 provides for pole mounting.

Accuracy*: +/- 3% • Maximum Flow at 60% FIO₂ and 50 psi Supply Pressure: 40 LPM
Bleed Flow: 3.0 - 4.0 LPM @ 8 LPM Flow Rate • FIO₂ Range: 0.21 +0.01 to 1.0 -0.1
Gas Supply Range: 50 psi +/- 10 psi



Model 20457

Standard Accessories:
0-15 LPM flowmeter
Water Trap Assembly

Optional Accessories:
14ft air hose/14ft oxygen hose, both with DISS fittings

Model 20459

Standard Accessories:
0-15 LPM flowmeter
Water Trap Assembly

Optional Accessories:
14ft air hose/14ft oxygen hose, both with DISS fittings



Sechrist Air / Oxygen Gas Mixers - Model 3600 & Model 3601

Provides for precise mixing of air and oxygen for many clinical applications. Models 3600 and 3601 are high flow mixers designed for general applications. 3601 utilizes a wall mount configuration and 3600 provides for pole mounting.

Accuracy*: +/- 3% • Maximum Flow at 60% FIO₂ and 50 psi Supply Pressure: 100 LPM
Bleed Flow: 7.5 - 9.5 LPM @ 16 LPM Flow Rate • FIO₂ Range: 0.21 +0.01 to 1.0 -0.1
Gas Supply Range: 50 psi +/- 10 psi



Model 3600

Standard Accessories:
Water Trap Assembly

Optional Accessories:
14ft air hose/14ft oxygen hose, both with DISS fittings

Model 3601

Standard Accessories:
Water Trap Assembly

Optional Accessories:
14ft air hose/14ft oxygen hose, both with DISS fittings



*Note: Mixers will maintain the delivered FIO₂ within +/- 1 percentage point of the selected value even with fluctuations in supply pressures. An addition 2% variance may result from the readability of the set point and scale error.

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