

# GAS PRODUCTS FOR SPECIAL APPLICATIONS

## STERILIZING GAS MIXTURES

These gas mixtures are used where the item to be sterilized cannot withstand the rigors of other methods. Hong Kong Specialty Gases will continue to supply Ethylene Oxide based sterilants as dichlorofluoromethane production is phased out under Montreal Protocol. Replacement with other suitable compounds will assure an effective and reliable supply of sterilant mixtures.

COMPONENTS	CYLINDER SIZE	CONTENT	CGA CONN.
12% Ethylene Oxide Balance Dichlorofluoromethane (R12)	65 LP	60 kg	510
8.6% Ethylene Oxide Balance Chlorotetrafluoroethane (R124)	65 LP	60 kg	510
10%-20% Ethylene Oxide Balance Carbon Dioxide	65 LP	60 kg	350

## BIOLOGICAL ATMOSPHERE GAS MIXTURE

These mixtures are used to control the atmosphere for the growth of biological cultures containing anaerobic or aerobic bacteria. Anaerobic micro-organisms thrive when deprived of oxygen. All anaerobic mixtures contain less than 10 ppm of oxygen and, in addition, oxygen free grades of pure gases are also available.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
ANAEROBIC GROWTH MIXTURE 3% Hydrogen Balance Carbon Dioxide	044 016	2.5 m <sup>3</sup> 900 L	600 600	350
ANAEROBIC GROWTH MIXTURE 0.5%-10% Carbon Dioxide Balance Nitrogen	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	500
ANAEROBIC GROWTH MIXTURE 0.5%-10% Carbon Dioxide, 0.5%-10% Hydrogen Balance Nitrogen	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	350
AEROBIC GROWTH MIXTURE 0.5%-10% Carbon Dioxide Balance Oxygen	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	500
AEROBIC GROWTH MIXTURE 0.5%-10% Carbon Dioxide Balance Air	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	500