

# GAS PRODUCTS FOR SPECIAL APPLICATIONS

## SPARK CHAMBER GAS MIXTURE

These mixtures are used in conjunction with nuclear acceleration facilities as the medium required for atomic particle studies.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
10% Helium Balance Neon	044 016	5.6 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	580
20% Helium Balance Neon	044 016	5.6 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	580
25% Helium Balance Neon	044 016	5.6 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	580

## FLAME IONIZATION FUEL MIXTURES

These mixtures are used as fuel gases for instrumentation utilizing a flame ionization detector for the analysis of trace hydrocarbon.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
40% Hydrogen Balance Helium (THC < 0.5 ppm)	044 016	5.5 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	350
40% Hydrogen Balance Nitrogen (THC < 0.5 ppm)	044 016	5.7 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	350

## NUCLEAR COUNTER GAS MIXTURE

These mixtures are used with various types of instrumentation in measuring radioactivity and ionization.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
P-5 5% Methane Balance Argon	044 016	6.6 m <sup>3</sup> 2.6 m <sup>3</sup>	2000 2000	350
P-10 10% Methane Balance Argon	044 016	6.6 m <sup>3</sup> 2.6 m <sup>3</sup>	2000 2000	350
QUENCH GAS 1.3% n-Butane Balance Helium	044 016	4.8 m <sup>3</sup> 1.8 m <sup>3</sup>	1700 1700	350
GEIGER FLOW GAS 0.95% Isobutane Balance Helium	044 016	5.6 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	350
GEIGER FLOW GAS 1.5% Propane Balance Helium	044 016	5.6 m <sup>3</sup> 2.2 m <sup>3</sup>	2000 2000	350