

Industrial Hygiene and Safety Applications

Choose from our extensive selection of SCOTTY™ products engineered expressly for use in typical industrial hygiene and safety applications. Product accuracy is based on the lowest concentration of the minor component in the mixture as follows:

| Concentration | Blend Tolerance | Analytical Accuracy |
|---------------|-----------------|---------------------|
| < 25 ppm | ±20% | ±10% |
| 25 – 300 ppm | ±10% | ±5% |
| > 300 ppm | ±5% | ±2% |

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|--|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L† ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Acetylene in Air | | | | | | | | |
| 25% LEL (0.63%V) | | • | | | | • | | A200859-O-(*) |
| 50% LEL (1.25%V) PR: 902 psig | | • | | | | • | | A200855-O-(*) |
| Ammonia in Air | | | | | | | | |
| 25 ppm | | | • | | • | | | 291-O-(*) |
| 50 ppm | | | • | | • | | | 292-O-(*) |
| Ammonia in N₂ | | | | | | | | |
| 10 ppm | | | • | | • | | | A200857-O-(*) |
| 25 ppm | | | • | | • | | | A200360-O-(*) |
| 50 ppm | | | • | | • | | | A200160-O-(*) |
| 150 ppm | | | • | | • | | | A200849-O-(*) |
| 300 ppm | | | • | | • | | | A200847-O-(*) |
| Benzene in Air | | | | | | | | |
| 5 ppm | • | | | | • | | | 239-O-(*) |
| 100 ppm | | • | | • | • | • | | 242-O-(*) |
| 1,3-Butadiene in N₂ | | | | | | | | |
| 5 ppm | | | • | | • | | | B200558-O-(*) |
| n-Butane in Air | | | | | | | | |
| 25% LEL (0.45%V) | | • | | • | | | | B200040-O-(*) |
| 50% LEL (0.9%V) | | • | | • | | | | B200043-O-(*) |
| Carbon Dioxide in Air | | | | | | | | |
| 250 ppm | | | | | | • | | C203843-O-(*) |
| 300 ppm | • | • | | • | | • | | 262-O-(*) |
| 1000 ppm | • | • | | • | | • | | 233-O-(*) |
| 2000 ppm | | • | | • | | • | | 858-O-(*) |
| 5000 ppm | | • | | • | | • | | C200140-O-(*) |
| 1% | | • | | • | | • | | 87704-O-(*) |
| 2.5% | | • | | • | | • | | 877-O-(*) |
| Carbon Dioxide in N₂ | | | | | | | | |
| 100 ppm | | • | | • | | • | | 205-O-(*) |
| 250 ppm | | • | | • | | • | | C203831-O-(*) |
| 400 ppm | | • | | • | | • | | 46-O-(*) |
| 500 ppm | | • | | • | | • | | 41-O-(*) |

PR: Pressure restricted to indicated psig.

* To complete the part number, replace (*) with the liter amount of the desired cylinder size. For example, to order Methane in Air in an 11L cylinder, the part number will be 31-O-11.

† Minimum order quantity: 6 cylinders. (No express shipping).

Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|--|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L [†] ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Carbon Dioxide in N₂ (continued) | | | | | | | | |
| 800 ppm | | • | | • | | • | | C203015-O-(*) |
| 1000 ppm | • | • | | • | | • | • | 498-O-(*) |
| 2000 ppm | | • | | • | | • | | C200015-O-(*) |
| 5000 ppm | | • | | • | | • | | C200129-O-(*) |
| 0.8% | • | | | | | | | 54801-O-(*) |
| 1% | • | • | | • | | • | • | 548-O-(*) |
| 1.6% | | | | | | • | | C201895-O-(*) |
| 2.5% | • | • | | • | | • | | C201525-O-(*) |
| 3% | | • | | • | | • | | 54802-O-(*) |
| 4% | | • | | | | • | | C201435-O-(*) |
| 4.5% | | • | | | | • | | C203845-O-(*) |
| 5% | • | • | | | | • | • | 93-O-(*) |
| 15% | | • | | • | | • | | 58-O-(*) |
| Carbon Monoxide in Air | | | | | | | | |
| 5 ppm | | • | | | | • | | 69-O-(*) |
| 10 ppm | | • | | • | | • | | 66-O-(*) |
| 15 ppm | | • | | | | • | | C200062-O-(*) |
| 20 ppm | | • | | • | | • | | 64-O-(*) |
| 25 ppm | • | • | | • | | • | | 601-O-(*) |
| 35 ppm | | • | | • | | • | | 00001-O-(*) |
| 40 ppm | | • | | • | | • | • | 67-O-(*) |
| 50 ppm | • | ▲ | | ▲ | | ▲ | • | 602-O-(*) |
| 60 ppm | • | • | | • | | • | | 118-O-(*) |
| 75 ppm | | • | | | | • | | C200023-O-(*) |
| 95 ppm | | • | | • | | • | | 209-O-(*) |
| 100 ppm | • | ▲ | | ▲ | | ▲ | • | 68-O-(*) |
| 150 ppm | | • | | • | | • | | 277-O-(*) |
| 200 ppm | • | • | | • | | • | • | 6303-O-(*) |
| 250 ppm | • | • | | • | | • | | 604-O-(*) |
| 300 ppm | • | ▲ | | ▲ | | ▲ | | 119-O-(*) |
| 400 ppm | | • | | • | | • | | C201535-O-(*) |
| 500 ppm | | • | | • | | • | | 605-O-(*) |
| 1000 ppm | | • | | • | | • | | 607-O-(*) |
| 3500 ppm | | • | | | | • | | C203846-O-(*) |
| 5000 ppm | | • | | • | | • | | C201606-O-(*) |
| Carbon Monoxide in N₂ | | | | | | | | |
| 10 ppm | | • | | • | | • | | 286-O-(*) |
| 25 ppm | | • | | | | • | • | C200050-O-(*) |
| 35 ppm | | • | | | | • | | C203839-O-(*) |
| 50 ppm | • | • | | • | | • | | 268-O-(*) |
| 100 ppm | • | ▲ | | ▲ | | ▲ | • | 214-O-(*) |
| 200 ppm | | • | | • | | • | | 284-O-(*) |
| 1000 ppm | • | • | | • | | • | • | 288-O-(*) |
| 5000 ppm | | • | | | | • | | 225-O-(*) |
| 2.5% | | • | | | | • | | C203295-O-(*) |

* To complete the part number, replace (*) with the liter amount of the desired cylinder size. For example, to order Methane in Air in an 11L cylinder, the part number will be 31-O-11.

† Minimum order quantity: 6 cylinders. (No express shipping).

▲ SCOTTY Express available. Call 800-217-2688.

Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|------------------------------------|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L [†] ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Chlorine in N ₂ | | | | | | | | |
| 2 ppm | | | • | | • | | | C202865-O-* |
| 3 ppm | | | | | • | | | C203505-O-* |
| 5 ppm | | | • | | • | | | 309-O-* |
| 10 ppm | | | • | | • | | | 261-O-* |
| 20 ppm | | | | | • | | | C203809-O-* |
| 30 ppm | | | • | | • | | | C202965-O-* |
| 50 ppm | | | | | • | | | C203841-O-* |
| 100 ppm | | | | | • | | | C203779-O-* |
| Ethane in Air | | | | | | | | |
| 50% LEL (1.5%V) PR: 680 psig | | • | | • | | • | | E200120-O-* |
| Ethylene in Air | | | | | | | | |
| 43% LEL (1.16%V) PR: 868 psig | | • | | • | | • | | 00002-O-* |
| 50% LEL (1.35%V) PR: 796 psig | | • | | • | | • | | 84-O-* |
| Halocarbon 11 in N ₂ | | | | | | | | |
| 100 ppm | | | | | | • | | H203481-O-* |
| Halocarbon 12 in Air | | | | | | | | |
| 2000 ppm | | • | | • | | • | | D200593-O-* |
| Halocarbon 12 in N ₂ | | | | | | | | |
| 100 ppm | | | | | | • | | D200594-O-* |
| Halocarbon 22 in Air | | | | | | | | |
| 100 ppm | | • | | • | | • | | H201973-O-* |
| 2000 ppm | | • | | • | | • | | C203827-O-* |
| Halocarbon 22 in N ₂ | | | | | | | | |
| 10 ppm | | • | | • | | • | | H201703-O-* |
| 100 ppm | | | | | | • | | H203210-O-* |
| 1000 ppm | | • | | | | • | | H202303-O-* |
| Halocarbon 113 in N ₂ | | | | | | | | |
| 100 ppm | | | | | | • | | T200963-O-* |
| Halocarbon 114 in N ₂ | | | | | | | | |
| 30 ppm | | | | | | • | | D200586-O-* |
| Halocarbon 123 in N ₂ | | | | | | | | |
| 30 ppm | | | | | | • | | H202653-O-* |
| 50 ppm | | • | | • | | • | | H203514-O-* |
| 100 ppm | | • | | • | | • | | H203220-O-* |

PR: Pressure restricted to indicated psig.

* To complete the part number, replace (*) with the liter amount of the desired cylinder size. For example, to order Methane in Air in an 11L cylinder, the part number will be 31-O-11.

† Minimum order quantity: 6 cylinders. (No express shipping).

Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|-------------------------------------|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L† ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Halocarbon 134a in N ₂ | | | | | | | | |
| 30 ppm | | | | | | • | | H203512-O-* |
| 100 ppm | | • | | • | | • | | H202153-O-* |
| Helium in N ₂ | | | | | | | | |
| 31% | | | | | | • | | H202453-O-* |
| n-Heptane in Air | | | | | | | | |
| 800 ppm | | • | | • | | | | N203077-O-* |
| n-Hexane in Air | | | | | | | | |
| 400 ppm | • | • | | • | | • | | 282-O-* |
| 500 ppm | • | • | | • | | • | | 150-O-* |
| 25% LEL (0.3%V) PR: 263 psig | | • | | • | | • | • | N200692-O-* |
| 40% LEL (0.48%V) PR: 165 psig | | | | | | • | | 00003-O-* |
| Hydrogen in Air | | | | | | | | |
| 100 ppm | | | | | | • | | 00004-O-* |
| 500 ppm | | | | | | • | | H200030-O-* |
| 1000 ppm | | | | | | • | | 00005-O-* |
| 1.2% | | • | | | | • | | H203556-O-* |
| 1.6% | | • | | | | • | | H203380-O-* |
| 20% LEL (0.8%V) | • | • | | • | | • | | 369-O-* |
| 25% LEL (1%V) | • | • | | • | | • | | 88-O-* |
| 50% LEL (2%V) | • | ▲ | | ▲ | | ▲ | • | 85-O-* |
| Hydrogen in N ₂ | | | | | | | | |
| 100 ppm | • | • | | • | | • | | 210-O-* |
| 500 ppm | | • | | • | | • | | H200080-O-* |
| 1000 ppm | | | | | | • | | H201150-O-* |
| Hydrogen Chloride in N ₂ | | | | | | | | |
| 10 ppm | | | • | | • | | | H202083-O-* |
| 20 ppm | | | | | • | | | H202057-O-* |
| 25 ppm | | | | | • | | | H203549-O-* |
| Hydrogen Cyanide in N ₂ | | | | | | | | |
| 10 ppm | | | • | | • | | | H203480-O-* |
| Hydrogen Sulfide in Air | | | | | | | | |
| 10 ppm | | | • | | • | | | H200091-O-* |
| 20 ppm | | | • | | • | | | H200090-O-* |
| 25 ppm | ** | | • | | • | | | 270-O-* |
| 40 ppm | ** | | • | | • | | | 00006-O-* |
| 50 ppm | | | • | | • | | | 00007-O-* |
| Hydrogen Sulfide in CH ₄ | | | | | | | | |
| 10 ppm | | | | | • | | | H203559-O-* |

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** Hydrogen sulfide mixtures in 11L cylinders are intended for bump gas use only. Air Liquide cannot guarantee the accuracy of these mixtures in this cylinder type.

† Minimum order quantity: 6 cylinders. (No express shipping).

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Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|--|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L [†] ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Hydrogen Sulfide in N₂ | | | | | | | | |
| 5 ppm | | | | | • | | | H200005-O-(*) |
| 10 ppm | ** | | • | | • | | | 260-O-(*) |
| 15 ppm | | | | | • | | | H203491-O-(*) |
| 20 ppm | | | • | | • | | | H200043-O-(*) |
| 25 ppm | ** | | • | | • | | | 251-O-(*) |
| 35 ppm | | | | | • | | | H202793-O-(*) |
| 40 ppm | ** | | • | | • | | | 265-O-(*) |
| 50 ppm | ** | | • | | • | | | 294-O-(*) |
| 90 ppm | | | | | • | | | H200011-O-(*) |
| 100 ppm | ** | | • | | • | | | 295-O-(*) |
| 125 ppm | | | | | • | | | H200013-O-(*) |
| 1000 ppm | | | • | | • | | | H200044-O-(*) |
| Isobutane in Air | | | | | | | | |
| 10 ppm | | • | | • | | • | | I200567-O-(*) |
| Isobutylene in Air | | | | | | | | |
| 50 ppm | • | • | | | | • | • | 702-O-(*) |
| 100 ppm | • | ▲ | | ▲ | | ▲ | • | 703-O-(*) |
| 200 ppm | | • | | | | • | | I200011-O-(*) |
| 225 ppm | | | | | | • | | I200006-O-(*) |
| 1000 ppm | | • | | • | | • | | 704-O-(*) |
| Methane in Air | | | | | | | | |
| 50 ppm | • | • | | • | | • | • | 705-O-(*) |
| 100 ppm | • | • | | • | | • | | 00008-O-(*) |
| 500 ppm | | • | | • | | • | • | 263-O-(*) |
| 9500 ppm | | • | | | | • | | M200002-O-(*) |
| 10% LEL (0.5%V) | | • | | • | | • | | 00009-O-(*) |
| 20% LEL (1%V) | • | • | | • | | • | • | 31-O-(*) |
| 25% LEL (1.25%V) | | • | | • | | • | • | 89-O-(*) |
| 30% LEL (1.5%V) | | • | | • | | • | | 37-O-(*) |
| 40% LEL (2%V) | | ▲ | | ▲ | | ▲ | • | 36-O-(*) |
| 50% LEL (2.5%V) | • | ▲ | | ▲ | | ▲ | • | 86-O-(*) |
| 60% LEL (3%V) PR: 750 psig | • | • | | • | | • | | 8602-O-(*) |
| 65% LEL (3.25%V) PR: 700 psig | | • | | • | | • | | M201731-O-(*) |
| Methane in N₂ | | | | | | | | |
| 10 ppm | • | • | | | | • | • | 866-O-(*) |
| 1000 ppm | • | • | | | | • | • | 868-O-(*) |
| 2% | | | | | | • | | M201180-O-(*) |
| 10% | • | • | | | | • | • | 876-O-(*) |
| 50%V | | • | | • | | • | | 00010-O-(*) |

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Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|---|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L [†] ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Methyl Chloride in Air | | | | | | | | |
| 200 ppm | | • | | • | | • | | M202477-O-(*) |
| 300 ppm | | • | | | | | | M202482-O-(*) |
| Nitric Oxide in O ₂ -Free N ₂ | | | | | | | | |
| 10 ppm | | | • | | • | | | 00011-O-(*) |
| 25 ppm | | | • | | • | | | 00012-O-(*) |
| 50 ppm | | | • | | • | | | N200351-O-(*) |
| 200 ppm | | | • | | • | | | N200048-O-(*) |
| 1000 ppm | | | • | | • | | | 037-O-(*) |
| Nitrogen Dioxide in Air | | | | | | | | |
| 5 ppm | | | • | | • | | | 00013-O-(*) |
| 10 ppm | | | • | | • | | | 300-O-(*) |
| 25 ppm | | | | | • | | | 301-O-(*) |
| 100 ppm | | | • | | • | | | N200460-O-(*) |
| Nitrogen Dioxide in N ₂ | | | | | | | | |
| 5 ppm | | | • | | • | | | 00014-O-(*) |
| 10 ppm | | | • | | • | | | 00015-O-(*) |
| 25 ppm | | | • | | • | | | N200133-O-(*) |
| 100 ppm | | | • | | • | | | N200134-O-(*) |
| Nitrous Oxide in N ₂ | | | | | | | | |
| 100 ppm | | • | | • | | • | | 448-O-(*) |
| Oxygen in N ₂ | | | | | | | | |
| 4000 ppm | | • | | • | | • | • | 707-O-(*) |
| 8000 ppm | | | | | | • | • | O200005-O-(*) |
| 1% | | • | | • | | • | • | 486-O-(*) |
| 2% | | • | | • | | • | • | 94-O-(*) |
| 4% | | ▲ | | | | • | | O200020-O-(*) |
| 5% | • | • | | • | | • | • | 886-O-(*) |
| 8% | | • | | • | | • | | 708-O-(*) |
| 10% | | • | | • | | • | • | 488-O-(*) |
| 12% | | • | | • | | | | O200296-O-(*) |
| 15% | | • | | | | | | O200014-O-(*) |
| 16% | | • | | | | • | | O200013-O-(*) |
| 17% | | • | | • | | • | | O200015-O-(*) |
| 18% | | • | | | | • | | O200017-O-(*) |
| 18.5% | | • | | | | • | | O200788-O-(*) |
| 19% | • | • | | • | | • | | 299-O-(*) |
| 19.5% | | • | | • | | • | | O200486-O-(*) |
| 20% | | • | | • | | • | • | 308-O-(*) |
| 20.8% | | ▲ | | ▲ | | ▲ | | O200908-O-(*) |
| 20.9% | • | ▲ | | ▲ | | ▲ | | O200025-O-(*) |
| 21% | | | | | | • | | O200026-O-(*) |
| 23.5% | | | | | | • | | O200638-O-(*) |

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Industrial Hygiene and Safety Applications continued

| Two-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|--|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L [†] ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| n-Pentane in Air | | | | | | | | |
| 0.14% | | • | | | | • | | P200303-O-(*) |
| 0.17% | | | | | | • | | N203087-O-(*) |
| 0.39% | • | • | | | | | | N203086-O-(*) |
| 25% LEL (0.35%V) PR: 910 psig | • | • | | • | | • | | 281-O-(*) |
| 50% LEL (0.7%V) PR: 455 psig | • | • | | • | | • | | 00016-O-(*) |
| 54% LEL (0.76%V) PR: 419 psig | • | ▲ | | ▲ | | ▲ | • | N203072-O-(*) |
| Phosphine in N₂ | | | | | | | | |
| 0.5 ppm | | | | | • | | | P200005-O-(*) |
| 5 ppm | | | • | | • | | | P201151-O-(*) |
| Propane in Air | | | | | | | | |
| 1000 ppm | | • | | | | | | P200026-O-(*) |
| 0.57% | • | • | | • | | • | | P200629-O-(*) |
| 1.5% | | | | | | | • | P200036-O-(*) |
| 10% LEL (0.21%V) | | • | | • | | • | • | 00017-O-(*) |
| 20% LEL (0.42%V) | | • | | | | • | | P200023-O-(*) |
| 25% LEL (0.53%V) | | • | | • | | • | | P200002-O-(*) |
| 26% LEL (0.55%V) | • | • | | • | | • | • | P200919-O-(*) |
| 30% LEL (0.63%V) | • | • | | • | | • | | 00018-O-(*) |
| 35% LEL (0.74%V) | • | • | | • | | • | | 00019-O-(*) |
| 45% LEL (0.95%V) PR: 712 psig | | • | | • | | • | | 00020-O-(*) |
| 50% LEL (1.05%V) PR: 696 psig | • | • | | • | | • | • | 00022-O-(*) |
| 68% LEL (1.43%V) PR: 544 psig | • | • | | • | | • | • | P201163-O-(*) |
| Propylene in Air | | | | | | | | |
| 50% LEL (1%V) PR: 608 psig | • | • | | • | | • | | 274-O-(*) |
| Sulfur Dioxide in Air | | | | | | | | |
| 5 ppm | | | • | | • | | | S200130-O-(*) |
| 10 ppm | | | • | | • | | | 400-O-(*) |
| 50 ppm | | | • | | • | | | 402-O-(*) |
| Sulfur Dioxide in N₂ | | | | | | | | |
| 5 ppm | | | • | | • | | | S200001-O-(*) |
| 10 ppm | • | | • | | • | | | S200006-O-(*) |
| 20 ppm | | | | | • | | | S200009-O-(*) |
| 25 ppm | | | | | • | | | S200008-O-(*) |
| 35 ppm | | | | | • | | | S200474-O-(*) |
| 200 ppm | | | • | | • | | | S200000-O-(*) |
| 1000 ppm | | | | | • | | | S200007-O-(*) |
| Toluene in Air | | | | | | | | |
| 100 ppm | • | • | | • | | • | | 00023-O-(*) |

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Industrial Hygiene and Safety Applications continued

| Three-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|---|-------------------------------------|------------------|-------------|------------------|-------------|------------------|---------------|--|
| | 11L† ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| n-Butane and Carbon Dioxide in N ₂ C ₄ H ₁₀ CO ₂ 8% 15% | | | | | | • | | 2146-O-(*) |
| Carbon Dioxide and Carbon Monoxide in Air CO ₂ CO 1000 ppm 35 ppm | | • | | • | | • | | 00024-O-(*) |
| Carbon Monoxide and n-Hexane in N ₂ CO C ₆ H ₁₄ [PR] 100 ppm 0.42% 188 | | • | | • | | • | | C303095-O-(*) |
| Carbon Monoxide and Hydrogen in N ₂ CO H ₂ 20 ppm 60 ppm | | | | | | • | | C303041-O-(*) |
| Carbon Monoxide and Methane in Air CO CH ₄ 50 ppm 50% LEL (2.5%V) 100 ppm 20% LEL (1%V) 100 ppm 50% LEL (2.5%V) 200 ppm 50% LEL (2.5%V) | • • • • | • • • • | | • • • • | | • • • • | | 305-O-(*) C300592-O-(*) 00027-O-(*) 00028-O-(*) |
| Carbon Monoxide and Methane in N ₂ CO CH ₄ 1000 ppm 1% 8% 5.7% | • | • | | • | | • | • | C302554-O-(*) 306-O-(*) |
| Carbon Monoxide and Oxygen in N ₂ CO O ₂ 10 ppm 20.9% 20 ppm 20.9% | | • ▲ | | • ▲ | | • ▲ | | C300305-O-(*) C300304-O-(*) |
| Carbon Monoxide and Propane in Air CO C ₃ H ₈ [PR] 50 ppm 50% LEL (1.05%V) 652 | | • | | • | | • | | C301304-O-(*) |
| Carbon Monoxide and Propane in N ₂ CO C ₃ H ₈ 50 ppm 1.05% | • | • | | • | | • | | C303093-O-(*) |
| n-Hexane and Oxygen in N ₂ C ₆ H ₁₄ O ₂ [PR] 25% LEL (0.3%V) 12% 263 25% LEL (0.3%V) 19% 263 | | • • | | • • | | • • | | N300523-O-(*) N300524-O-(*) |
| Hydrogen and Oxygen in N ₂ H ₂ O ₂ 25% LEL (1%V) 15% | | • | | • | | • | | H300453-O-(*) |

PR: Pressure restricted to indicated psig.

* To complete the part number, replace (*) with the liter amount of the desired cylinder size. For example, to order Methane in Air in an 11L cylinder, the part number will be 31-O-11.

† Minimum order quantity: 6 cylinders. (No express shipping).

▲ SCOTTY Express available. Call 800-217-2688.

Industrial Hygiene and Safety Applications continued

| Four-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | | Product Number |
|--|-------------------------------------|--------------|-------------|--------------|-------------|---------------|---------------|----------------|
| | 11L† ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | 221L STEEL | |
| Carbon Monoxide, Hydrogen Sulfide and Methane in Air | | | | | | | | |
| CO H ₂ S CH ₄ | | | | | | | | |
| 50 ppm 10 ppm 50% LEL (2.5%V) | | | • | | • | | | 409-O-(*) |
| 50 ppm 25 ppm 50% LEL (2.5%V) | | | • | | • | | | C400982-O-(*) |
| 100 ppm 25 ppm 50% LEL (2.5%V) | | | • | | • | | | C410612-O-(*) |
| 200 ppm 10 ppm 50% LEL (2.5%V) | | | • | | • | | | C410112-O-(*) |
| 200 ppm 25 ppm 50% LEL (2.5%V) | | | • | | • | | | C400805-O-(*) |
| Carbon Monoxide, Hydrogen Sulfide and n-Pentane in Air | | | | | | | | |
| CO H ₂ S C ₅ H ₁₂ | | | | | | | | |
| 100 ppm 25 ppm 32% LEL (0.45%V) | | | • | | • | | | C410697-O-(*) |
| Carbon Monoxide, Methane and Oxygen in N₂ | | | | | | | | |
| CO CH ₄ O ₂ | | | | | | | | |
| 25 ppm 50% LEL (2.5%V) 21% | | • | | | | • | • | 404-O-(*) |
| 25 ppm 20% LEL (1.0%V) 20.9% | | • | | • | | • | | 00029-O-(*) |
| 25 ppm 50% LEL (2.5%V) 20.9% | | • | | • | | • | | C410092-O-(*) |
| 40 ppm 50% LEL (2.5%V) 18% | | • | | • | | • | | C400044-O-(*) |
| 50 ppm 50% LEL (2.5%V) 17% | | • | | | | • | • | 405-O-(*) |
| 50 ppm 50% LEL (2.5%V) 19% | | • | | | | • | | C410698-O-(*) |
| 50 ppm 50% LEL (2.5%V) 12% | | • | | • | | • | | 410-O-(*) |
| 50 ppm 50% LEL (2.5%V) 20.9% | | • | | • | | • | | C409007-O-(*) |
| 60 ppm 29% LEL (1.45%V) 15% | | • | | • | | • | | C400812-O-(*) |
| 100 ppm 50% LEL (2.5%V) 16% | | • | | | | • | • | 406-O-(*) |
| 100 ppm 50% LEL (2.5%V) 17% | | • | | | | • | | C406672-O-(*) |
| 100 ppm 50% LEL (2.5%V) 20.8% | | | | | | • | | C409026-O-(*) |
| 100 ppm 50% LEL (2.5%V) 21% | | | | | | • | | C407092-O-(*) |
| 100 ppm 50% LEL (2.5%V) 19% | | • | | • | | • | | C400040-O-(*) |
| 175 ppm 50% LEL (2.5%V) 18.5% | | • | | | | • | • | 407-O-(*) |
| 200 ppm 50% LEL (2.5%V) 19% | | • | | | | • | | C407096-O-(*) |
| 250 ppm 50% LEL (2.5%V) 17% | | | | | | • | | C400041-O-(*) |
| Carbon Monoxide, Oxygen and n-Pentane in N₂ | | | | | | | | |
| CO O ₂ C ₅ H ₁₂ [PR] | | | | | | | | |
| 35 ppm 18% 10% LEL (0.15%V) | | | | | | • | | C410699-O-(*) |
| 60 ppm 15% 50% LEL (0.7%V) 473 | | • | | | | • | • | 4411-O-(*) |
| 100 ppm 19% 50% LEL (0.7%V) 473 | | • | | • | | • | | C410700-O-(*) |
| 100 ppm 19% 25% LEL (0.35%V) 910 | | • | | • | | • | | C400030-O-(*) |
| Hydrogen Sulfide, Methane and Oxygen in N₂ | | | | | | | | |
| H ₂ S CH ₄ O ₂ | | | | | | | | |
| 10 ppm 29% LEL (1.45%V) 15% | | | • | | | • | | H400104-O-(*) |
| 25 ppm 50% LEL (2.5%V) 19% | | | • | | | • | | H400679-O-(*) |
| Hydrogen Sulfide, Oxygen and n-Pentane in N₂ | | | | | | | | |
| H ₂ S O ₂ C ₅ H ₁₂ [PR] | | | | | | | | |
| 10 ppm 15% 58% LEL (0.81%V) 379 | | | • | | | • | | H400678-O-(*) |
| 25 ppm 19% 25% LEL (0.35%V) | | | | | | • | | H400625-O-(*) |

PR: Pressure restricted to indicated psig.

* To complete the part number, replace (*) with the liter amount of the desired cylinder size. For example, to order Methane in Air in an 11L cylinder, the part number will be 31-O-11.

† Minimum order quantity: 6 cylinders. (No express shipping).

Industrial Hygiene and Safety Applications continued

| Five-Component Gases Description | Cylinder Size / Gas Volume (liters) | | | | | | Product Number |
|---|-------------------------------------|--------------|-------------|--------------|-------------|---------------|----------------|
| | 11L† ALUM | 17L STEEL | 34L ALUM | 35L STEEL | 58L ALUM | 105L STEEL | |
| Carbon Monoxide, n-Hexane, Hydrogen Sulfide and Oxygen in N₂ | | | | | | | |
| CO C ₆ H ₁₄ H ₂ S O ₂ [PR] | | | | | | | |
| 50 ppm 50% LEL (0.6%V) 25 ppm 12% 150 | | | • | | • | | C506912-O-* |
| 50 ppm 15% LEL (0.18%V) 25 ppm 12% | | | • | | • | | C506913-O-* |
| 50 ppm 10% LEL (0.12%V) 25 ppm 12% | | | • | | • | | C506914-O-* |
| Carbon Monoxide, Hydrogen Sulfide, Methane and Oxygen in N₂ | | | | | | | |
| CO H ₂ S CH ₄ O ₂ | | | | | | | |
| 35 ppm 10 ppm 10% LEL (0.5%V) 18% | | | • | | • | | C50007-O-* |
| 50 ppm 10 ppm 50% LEL (2.5%V) 20.9% | | | • | | • | | C506926-O-* |
| 50 ppm 10 ppm 50% LEL (2.5%V) 21% | | | • | | • | | C506920-O-* |
| 50 ppm 20 ppm 50% LEL (2.5%V) 21% | | | • | | • | | 541-O-* |
| 50 ppm 25 ppm 50% LEL (2.5%V) 12% | | | • | | • | | 504-O-* |
| 50 ppm 25 ppm 50% LEL (2.5%V) 18% | | | • | | • | | C506777-O-* |
| 50 ppm 25 ppm 32% LEL (1.62%V) 18% | | | • | | • | | C506907-O-* |
| 50 ppm 25 ppm 50% LEL (2.5%V) 19% | | | • | | • | | C506915-O-* |
| 50 ppm 25 ppm 50% LEL (2.5%V) 20.9% | | | • | | • | | C506873-O-* |
| 65 ppm 25 ppm 30% LEL (1.5%V) 18.5% | | | | | • | | C506916-O-* |
| 95 ppm 25 ppm 50% LEL (2.5%V) 18% | | | | | • | | C506918-O-* |
| 95 ppm 25 ppm 30% LEL (1.5%V) 18% | | | • | | • | | C505993-O-* |
| 100 ppm 25 ppm 50% LEL (2.5%V) 18% | | | • | | • | | C506745-O-* |
| 100 ppm 25 ppm 50% LEL (2.5%V) 19% | | | • | | • | | C506917-O-* |
| 100 ppm 25 ppm 50% LEL (2.5%V) 20.9% | | | • | | • | | C506776-O-* |
| 100 ppm 25 ppm 50% LEL (2.5%V) 21% | | | • | | • | | C506919-O-* |
| 200 ppm 25 ppm 50% LEL (2.5%V) 15% | | | • | | • | | C506778-O-* |
| 300 ppm 10 ppm 29% LEL (1.45%V) 15% | | | • | | • | | C500390-O-* |
| 300 ppm 10 ppm 50% LEL (2.5%V) 15% | | | • | | • | | C506779-O-* |
| 300 ppm 10 ppm 30% LEL (1.5%V) 15% | | | • | | • | | C506893-O-* |
| 500 ppm 40 ppm 50% LEL (2.5%V) 20.9% | | | • | | • | | 502-O-* |
| Carbon Monoxide, Hydrogen Sulfide, Oxygen and n-Pentane in N₂ | | | | | | | |
| CO H ₂ S O ₂ C ₅ H ₁₂ [PR] | | | | | | | |
| 35 ppm 10 ppm 18% 10% LEL (0.14%V) | | | • | | • | | C500410-O-* |
| 35 ppm 10 ppm 18% 50% LEL (0.7%V) 455 | | | • | | • | | C506896-O-* |
| 50 ppm 10 ppm 18% 10% LEL (0.14%V) | | | • | | • | | C500540-O-* |
| 50 ppm 25 ppm 18% 50% LEL (0.7%V) 455 | | | • | | • | | C506922-O-* |
| 100 ppm 25 ppm 19% 25% LEL (0.35%V) | | | • | | • | | C500700-O-* |
| Carbon Monoxide, Hydrogen Sulfide, Oxygen and Propane in N₂ | | | | | | | |
| CO H ₂ S O ₂ C ₃ H ₈ | | | | | | | |
| 50 ppm 25 ppm 18% 50% LEL (1.05%V) | | | • | | • | | C500424-O-* |
| 50 ppm 25 ppm 19% 50% LEL (1.05%V) | | | • | | • | | C506895-O-* |
| 100 ppm 25 ppm 21% 50% LEL (1.05%V) | | | • | | • | | C506894-O-* |

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† Minimum order quantity: 6 cylinders. (No express shipping).