

ALPHAGAZ and Other Pure Gases

Air									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			CF	m ³	psig	bar	lbs.	kg		
ALPHAGAZ Auto Part 1065* CO < 1 ppm CO ₂ < 10 ppm NO _x < 0.02 ppm O ₂ 20.5–21.5% THC < 0.05 ppm		49	283	8	2400	166	182	83	Two-Stage Regulator Q1-318B-590	270
		44	238	7	2265	156	150	68		
	30AL	144	4	2000	138	80	36			
ALPHAGAZ Auto Zero** CO < 1 ppm CO ₂ < 1 ppm NO _x < 0.1 ppm O ₂ 20–21% THC < 1 ppm		30AL	144	4	2000	138	80	36	Two-Stage Regulator Q1-14C-590	275
		49	310	9	2640	182	166	75		
	44	238	7	2265	156	150	68			
ALPHAGAZ Auto UZAM CO < 0.1 ppm CO ₂ 315–385 ppm† H ₂ O < 5 ppm O ₂ 20–21% THC < 0.05 ppm		30AL	144	4	2000	138	80	36	Two-Stage Regulator Q1-318B-590 Q1-14C-590	270 275
		49	310	9	2640	182	166	75		
	44	238	7	2265	156	150	68			
VOC-FREE†† CO < 0.1 ppm CO ₂ < 0.3 ppm H ₂ O < 2 ppm O ₂ 20–21% THC < 0.01 ppm		30AL	144	4	2000	138	80	36	Two-Stage Regulator Q1-215A-590 Q1-14C-590 Single-Stage Regulator Q1-19VOC-590	271 275 277
		49	310	9	2640	182	166	75		
	44	238	7	2265	156	150	68			
Bar 97 Zero CO < 1 ppm CO ₂ < 400 ppm NO _x < 1 ppm O ₂ 20.9% THC < 1 ppm		30AL	144	4	2000	138	80	36	Two-Stage Regulator Q1-318B-590	270
		SIII***	8	0.2	260	18	6	3		
		30AL	144	4	2000	138	80	36		
IM240 CO < 0.5 ppm CO ₂ < 1 ppm H ₂ O < 1 ppm NO _x < 1 ppm O ₂ 18–21% THC < 0.1 ppm		30AL	144	4	2000	138	80	36	Two-Stage Regulator Q1-318B-590	270
		49	310	9	2640	182	166	75		
	44	238	7	2265	156	150	68			

* Meets Federal Register specifications for Title 40, Part 1065.750.

** Meets Federal Register specifications for Title 40, Part 86: 114.79, 114.94, 214.94 and 514.78.

*** SIII or SCOTTY™ III = SCOTTY 221L.

† Available without CO₂ on request.

†† Typical purity; individually analyzed for customer selected VOCs.

See pages 17 to 18 for more information about other grades of air.

ALPHAGAZ and Other Pure Gases continued

ALPHAGAZ MIX™ FID fuel grades including Part 1065-compliant are available – see page 210 for more information.

Nitrogen									Recommended Equipment	
Grade	Purity* (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			CF	m ³	psig	bar	lbs.	kg		
ALPHAGAZ Auto Part 1065** CO < 1 ppm CO ₂ < 10 ppm NO _x < 0.02 ppm O ₂ < 2 ppm THC < 0.05 ppm	99.999%	49	304	9	2640	182	165	75	Two-Stage Regulator Q1-318B-580	270
		44	234	7	2265	156	149	68		
		30AL	140	4	2000	138	58	26		
ALPHAGAZ Auto Zero*** CO < 1 ppm CO ₂ < 1 ppm NO _x < 0.1 ppm THC < 1 ppm	99.999%	49	304	9	2640	182	165	75	Two-Stage Regulator Q1-211B-580	269
		44	234	7	2265	156	149	68		
		30AL	140	4	2000	138	58	26		
ALPHAGAZ Auto UZAM CO < 0.1 ppm CO ₂ < 1 ppm H ₂ O < 2 ppm O ₂ < 2 ppm THC < 0.05 ppm	99.999%	49	304	9	2640	182	165	75	Two-Stage Regulator Q1-318B-580	270
		44	228	7	2265	156	149	68		
		30AL	140	4	2000	138	58	26		
VOC-FREE†† CO < 0.1 ppm CO ₂ < 0.3 ppm H ₂ O < 2 ppm O ₂ < 2 ppm THC < 0.05 ppm	99.999%	30AL	140	4	2000	138	58	26	Two-Stage Regulator Q1-215A-580	271
									Single-Stage Regulator Q1-19VOC-580	277
EVAP H ₂ O < 4 ppm O ₂ < 5 ppm	99.998%	44	228	7	2265	156	149	68	Two-Stage Regulator Q1-318B-580	270
		30AL	140	4	2000	138	58	26		
		SIII†	8	0.2	260	18	6	3		
IM240 CO < 0.5 ppm CO ₂ < 1 ppm H ₂ O < 1 ppm NO _x < 0.1 ppm O ₂ < 0.5 ppm THC < 0.1 ppm	99.997%	30AL	140	4	2000	138	58	26	Two-Stage Regulator Q1-318B-590	270

* Excluding argon.

** Meets Federal Register specifications for Title 40, Part 1065.750.

*** Meets Federal Register specifications for Title 40, Part 86: 114.79, 114.94, 214.94 and 514.78.

† SIII or SCOTTY™ III = SCOTTY 221L.

†† Can be individually analyzed for customer selected VOCs.

See pages 62 to 64 for more information about other grades of nitrogen.