



Replacement Tubes for Gillian Gas Detection Pumps

Note: Tube Types are as follows:

S = Short-Term detector tube

I = Ion tube

T = Time Weighted Average (TWA) tube

C = Compressed Breathing Air tube

Tube#	Type	Gas to be measured (Range)
236SA	S	1,1,2-Trichloroethane (10-100 ppm)
235SA	S	1,1-Dichloroethane (10-160 ppm)
230SA	S	1,2-Dichloroethane (5-50 ppm)
145SA	S	1,2-Dichloroethylene (4.2-840 ppm)
194S	S	1,3-Dichloropropane (10-500 ppm)
223S	S	2,2-Dichloroethyl Ether (2-30 ppm)
189U	S	2-Butanol (4-300 ppm)
133A	S	Acetaldehyde (0.004-1 %v)
133SB	S	Acetaldehyde (5-140 ppm)
216S	S	Acetic Acid (1-50 ppm)
102SC	S	Acetone (0.01-4.0 %v)
102SA	S	Acetone (0.1-5.0 %v)
102SD	S	Acetone (20-5000 ppm)
280S	S	Acetylene (20-2000 ppm) & Ethylene (200-2000 ppm)
101S	S	Acetylene (50-1000 ppm)
136	S	Acrolein (0.005-1.8 %v)
128SA	S	Acrylonitrile (0.1-3.5 %v)
128SD	S	Acrylonitrile (0.25-20 ppm)
128SB	S	Acrylonitrile (10-500ppm)
128SC	S	Acrylonitrile (1-120 ppm)
105SM	S	Ammonia (0.1-1.0 %v)
105SD	S	Ammonia (0.2-20 ppm)
105SA	S	Ammonia (0.5-10.0 %v)
105SH	S	Ammonia (0.5-30 %v)
105SE	S	Ammonia (1 to 200 ppm)
105SB	S	Ammonia (50-900 ppm)
105SC	S	Ammonia (5-260 ppm)
501-TWA	T	Ammonia (TWA) (5-200 ppm)
181S	S	Aniline (1-30 ppm)

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Tube#	Type	Gas to be measured (Range)
140SA	S	Arsine (5-160 ppm)
118SD	S	Benzene (0.1-75 ppm)
118SD	S	Benzene (0.1-75 ppm)
118SE	S	Benzene (0.2-80 ppm)
118SE	S	Benzene (0.2-80 ppm)
118SC	S	Benzene (1-100 ppm)
118SC	S	Benzene (1-100 ppm)
118SB	S	Benzene-in presence of Hydrocarbons (5-300 ppm)
118SB	S	Benzene-in presence of Hydrocarbons (5-300 ppm)
114	S	Bromine (1-20 ppm)
168SA	S	Butadiene (0.03-2.6 %v)
168SE	S	Butadiene (0.5-10 ppm)
168SC	S	Butadiene (2.5-100 ppm)
168SB	S	Butadiene (30-600 ppm)
138U	S	Butyl Acetate (10-400 ppm)
126SG	S	Carbon Dioxide (0.02-1.4%)
126SB	S	Carbon Dioxide (0.05-1.0 %v)
126SA	S	Carbon Dioxide (0.1-2.6 %v)
126SH	S	Carbon Dioxide (1.0-20.0 %v)
126SF	S	Carbon Dioxide (100-4000 ppm)
126B	S	Carbon Dioxide (100-7000 ppm / 0.03-0.7 %v)
126UH	S	Carbon Dioxide (5-50 %v)
601SP	C	Carbon Dioxide Compressed Breathing Air Tube (100-3000 ppm)
141SB	S	Carbon Disulfide (0.8-50 ppm)
141SA	S	Carbon Disulfide (30-500 ppm)
106SH	S	Carbon Monoxide (0.1-2.0 %v)
106UH	S	Carbon Monoxide (0.1-20 %v)
106S	S	Carbon Monoxide (10-250 ppm)
106SC	S	Carbon Monoxide (1-50 ppm)

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106SS	S	Carbon Monoxide (30 to 500 ppm)
106SA	S	Carbon Monoxide (5-2000 ppm)
500-TWA	T	Carbon Monoxide (TWA) (5-400 ppm)
600SP	C	Carbon Monoxide Compressed Breathing Air Tube (5-100 ppm)
147S	S	Carbon Tetrachloride (0.5-60 ppm)
239S	S	Carbonyl Sulfide (5-60 ppm)
201SA	I	Chloride Ion (10-2000 ppm)
201SB	I	Chloride Ion (3-200 ppm)
109U	S	Chlorine (0.05-2 ppm)
109SB	S	Chlorine (0.1-10 ppm)
109SA	S	Chlorine (1-40 ppm)
234SA	S	Chlorine (free residual) (0.4-5 ppm)
116	S	Chlorine Dioxide (1-20 ppm)
178SB	S	Chlorobenzene (1-140 ppm)
152S	S	Chloroform (23-500 ppm)
172S	S	Chloropicrin (0.05-16 ppm)
169S	S	Chloroprene (0.5-20 ppm)
203S	I	Copper Ion (1-100 ppm)
204S	I	Cyanide Ion (0.2-5 ppm)
115S	S	Cyclohexane (0.01-0.6 %v)
115S	S	Cyclohexane (0.01-0.6 %v)
206U	S	Cyclohexanol (5-500 ppm)
197U	S	Cyclohexanone (2-100 ppm)
242S	S	Diborane (0.02-5 ppm)
180S	S	Dichloromethane (10-1000 ppm)
222S	S	Diethyl & Trimethyl Amine (1-20 ppm)
107SA	S	Diethyl Ether (Ether) (0.04-1.4 %v)
107U	S	Diethyl Ether (Ether) (20-400 ppm)
227S	S	Dimethyl & Ethyl & Methyl amine (1-20 ppm)

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123S	S	Dimethyl Ether (0.01-1.2 %v)
123S	S	Dimethyl Ether (0.01-1.2 %v)
192S	S	Epichlorohydrin (5-50 ppm)
211U	S	Ethyl & Butyl & Isobutyl acrylate (5-60 ppm)
190U	S	Ethyl & Methyl Cellosolve (5-500 ppm)
111SA	S	Ethyl Acetate (0.1-5.0 %v)
104SA	S	Ethyl Alcohol (0.05-5.0 %v)
179S	S	Ethyl Benzene (10-500 ppm)
165SA	S	Ethyl Mercaptan (1-160 ppm)
165SB	S	Ethyl Mercaptan [in LP Gas] (2.5-80 ppm)
108B	S	Ethylene (0.1-100 ppm)
108SC	S	Ethylene (1 - 200 ppm)
108SA	S	Ethylene (20-1200 ppm)
166S	S	Ethylene Dibromide (1-50 ppm)
232SA	S	Ethylene Glycol (20-250 mg/M3)
232SB	S	Ethylene Glycol (3-40 mg/M3)
122SA	S	Ethylene Oxide (0.01-4 %v)
122SA	S	Ethylene Oxide (0.01-4 %v)
122SC	S	Ethylene Oxide (1-15 ppm)
122SC	S	Ethylene Oxide (1-15 ppm)
122SL	S	Ethylene Oxide (50 to 2600 ppm)
122SL	S	Ethylene Oxide (50 to 2600 ppm)
122SM	S	Ethylene Oxide (5-100 ppm)
122SM	S	Ethylene Oxide (5-100 ppm)
171SC	S	Formaldehyde (0.05-4 ppm)
171SB	S	Formaldehyde (1-35 ppm)
171SA	S	Formaldehyde (20-1500 ppm)
238S	S	Furfuryl Alcohol (2-25 ppm)
110S	S	Gasoline (0.05-0.6 %v)

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Tube#	Type	Gas to be measured (Range)
187S	S	General Hydrocarbons (50-1400 ppm)
219S	S	Hydrazine (0.05-10 ppm)
290P2	S	Hydrocarbons (Qualitative - Arsen Investigation)
137U	S	Hydrogen (0.05-0.8 %v)
173SB	S	Hydrogen Chloride (0.4-40 ppm)
173SA	S	Hydrogen Chloride (20-1200 ppm)
112SA	S	Hydrogen Cyanide (0.01-3.0 %v)
112SC	S	Hydrogen Cyanide (0.3-8 ppm)
112SC	S	Hydrogen Cyanide (0.3-8 ppm)
112SB	S	Hydrogen Cyanide (0.5-100 ppm)
112SB	S	Hydrogen Cyanide (0.5-100 ppm)
156S	S	Hydrogen Fluoride (0.25-30 ppm)
247S	S	Hydrogen Peroxide (0.5-10 ppm)
167S	S	Hydrogen Selenide (1-600 ppm)
120SC	S	Hydrogen Sulfide - in presence of Sulfur Dioxide (0.005-0.16 %v)
120SC	S	Hydrogen Sulfide - in presence of Sulfur Dioxide (0.005-0.16 %v)
282S	S	Hydrogen Sulfide & Mercaptans (1-30 ppm)
120GR	S	Hydrogen Sulfide (0.025-0.4 gr/100CF)
120GR	S	Hydrogen Sulfide (0.025-0.4 gr/100CF)
120SM	S	Hydrogen Sulfide (0.05-1.2 %v)
120SM	S	Hydrogen Sulfide (0.05-1.2 %v)
120SH	S	Hydrogen Sulfide (0.1-4.0 %v)
120SH	S	Hydrogen Sulfide (0.1-4.0 %v)
120GT	S	Hydrogen Sulfide (0.25-4 gr/100CF)
120GT	S	Hydrogen Sulfide (0.25-4 gr/100CF)
120U	S	Hydrogen Sulfide (0.2-6.0 ppm)
120U	S	Hydrogen Sulfide (0.2-6.0 ppm)
120SE	S	Hydrogen Sulfide (0.5-40 ppm)
120SE	S	Hydrogen Sulfide (0.5-40 ppm)

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Tube#	Type	Gas to be measured (Range)
120SB	S	Hydrogen Sulfide (0.75-300 ppm)
120SB	S	Hydrogen Sulfide (0.75-300 ppm)
120SD	S	Hydrogen Sulfide (1-60 ppm)
120SD	S	Hydrogen Sulfide (1-60 ppm)
120UT	S	Hydrogen Sulfide (2.5-40 %v)
120UT	S	Hydrogen Sulfide (2.5-40 %v)
120UH	S	Hydrogen Sulfide (2-20 %v)
120UH	S	Hydrogen Sulfide (2-20 %v)
120SF	S	Hydrogen Sulfide (25-2000 ppm)
120SF	S	Hydrogen Sulfide (25-2000 ppm)
502-TWA	T	Hydrogen Sulfide (TWA) (1-20 ppm)
131	S	Inorganic gases (qualitative)
188U	S	Isoamyl Acetate (10-400 ppm)
153U	S	Isobutyl Acetate (10-400 ppm)
208U	S	Isobutyl Alcohol (5-100 ppm)
209U	S	Isopentyl Alcohol (5-100 ppm)
111U	S	Isopropyl & Ethyl Acetate (10-1000 ppm)
150U	S	Isopropyl Alcohol (20-1200 ppm)
139SB	S	MEK (0.01 to 1.4%) & Dioxane (0.05-2.5 %v)
130U	S	Mercaptans (0.5-10 ppm)
142S	S	Mercury Vapor (0.1-10 mg/M3)
119SA	S	Methyl Alcohol (0.05-6.0 %v)
119SA	S	Methyl Alcohol (0.05-6.0 %v)
119U	S	Methyl Alcohol (20-1000 ppm)
119U	S	Methyl Alcohol (20-1000 ppm)
157SB	S	Methyl Bromide (0.4-80 ppm)
157SC	S	Methyl Bromide (0.5-10 ppm)
157SA	S	Methyl Bromide (10-500 ppm)
160S	S	Methyl Chloroform (1,1,1-Trichloroethane) (15-400 ppm)

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Tube#	Type	Gas to be measured (Range)
198U	S	Methyl Cyclohexane (2-100 ppm)
199U	S	Methyl Cyclohexanol (5-200 ppm)
139U	S	Methyl Ethyl Ketone (20-1500 ppm)
176UH	S	Methyl Iodide (5-15,000 ppm)
176S	S	Methyl Iodide (5-40 ppm)
155U	S	Methyl Isobutyl ketone (5-300 ppm)
245UH	S	Methyl Isothiocyanate (200 to 10,000 ppm)
164SH	S	Methyl Mercaptan (50-1000 ppm)
164SA	S	Methyl Mercaptan (5-140 ppm)
184S	S	Methyl Methacrylate & Allyl Alcohol (10-160 ppm)
193S	S	Methyl Styrene (10-500 ppm)
224SA	S	Monoethanol Amine (0.5-50 ppm)
196S	S	N,N-Dimethyl Formamide (1-30 ppm)
229S	S	N,N-Dimethylacetamide (5-70 ppm)
221SA	S	n-Butane (0.05-0.6 %v)
113SA	S	n-Hexane (0.05-0.6 %v)
113SA	S	n-Hexane (0.05-0.6 %v)
113SB	S	n-Hexane (50-1400 ppm)
113SB	S	n-Hexane (50-1400 ppm)
113SC	S	n-Hexane (5-800 ppm)
113SC	S	n-Hexane (5-800 ppm)
129	S	Nickel Carbonyl (20-700 ppm)
233S	S	Nitric Acid Vapor (1-20 ppm)
174B	S	Nitric Oxide & NO ₂ - separately measured (flue gas kit version) (NO: 10-300 ppm, NO ₂ : 1-40 ppm)
174A	S	Nitric Oxide & NO ₂ - separately measured (NO: 10-300 ppm, NO ₂ : 1-40 ppm)
117SD	S	Nitrogen Dioxide (0.1-1.0 ppm)
117SD	S	Nitrogen Dioxide (0.1-1.0 ppm)
117SB	S	Nitrogen Dioxide (0.5-30 ppm)

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Tube#	Type	Gas to be measured (Range)
117SB	S	Nitrogen Dioxide (0.5-30 ppm)
117SA	S	Nitrogen Dioxide (20-1000 ppm)
117SA	S	Nitrogen Dioxide (20-1000 ppm)
175U	S	Nitrogen Oxides (0.5-30 ppm)
175SH	S	Nitrogen Oxides (100-2500 ppm)
175SA	S	Nitrogen Oxides (20-250 ppm)
214S	S	o-Dichlorobenzene (5-100 ppm)
602SP	C	Oil Mist Compressed Breathing Air Tube (0.3-5 mg/M3)
186	S	Organic compounds (5-2500 ppm)
186B	S	Organic gases (qualitative)
281S	S	Oxygen & Carbon Dioxide (2-10 %v / 1-20 %v)
159SC	S	Oxygen (1.5-24 %v)
604SP	C	Oxygen Compressed Breathing Air Tube (2-24 %v)
182U	S	Ozone (0.025-3.0 ppm)
182SB	S	Ozone (2.5-100 ppm)
182SA	S	Ozone (50-1000 ppm)
215S	S	p-Dichlorobenzene (10-150 ppm)
210U	S	Pentyl Acetate (10-200 ppm)
183U	S	Phenol & Cresol (0.5-25 ppm)
146S	S	Phosgene (0.1-20 ppm)
121U	S	Phosphine & Arsine (0.05-2.0 ppm)
121U	S	Phosphine & Arsine (0.05-2.0 ppm)
121SD	S	Phosphine (0.25-20 ppm)
121SD	S	Phosphine (0.25-20 ppm)
121SH	S	Phosphine (10-3200 ppm)
121SH	S	Phosphine (10-3200 ppm)
121SS	S	Phosphine (200 to 6000 ppm)
121SS	S	Phosphine (200 to 6000 ppm)
121SC	S	Phosphine (20-700 ppm)

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Tube#	Type	Gas to be measured (Range)
121SC	S	Phosphine (20-700 ppm)
121SG	S	Phosphine (5 to 150 ppm)
121SG	S	Phosphine (5 to 150 ppm)
125SA	S	Propane (0.02-0.5 %v)
151U	S	Propyl Acetate (20-1000 ppm)
185S	S	Propylene (50-1000 ppm)
163SA	S	Propylene Oxide (0.05-5.0 %v)
205SL	I	Salinity (0.01-0.8 %v)
240S	S	Silane (0.5-50 ppm)
158SB	S	Styrene (1-100 ppm)
158S	S	Styrene (2.5-300 ppm)
200SB	I	Sulfide Ion (0.5-10 ppm)
200SA	I	Sulfide Ion (2-1000 ppm)
103SB	S	Sulfur Dioxide (0.02-0.3 %v)
103SA	S	Sulfur Dioxide (0.1-3.0 %v)
103SE	S	Sulfur Dioxide (0.25-10 ppm)
103SD	S	Sulfur Dioxide (1-60 ppm)
103SC	S	Sulfur Dioxide (20-300 ppm)
103SF	S	Sulfur Dioxide (in flue gas) (0.02-0.3 %v)
503-TWA	T	Sulfur Dioxide (TWA) (0.5-20 ppm)
103SG	S	Sulfur Dioxide in CO2 Gas (0.1 to 25 ppm)
244U	S	Sulfuric Acid (0.5-5 mg/M3)
135SG	S	Tetrachloroethylene (0.1 to 2.0%)
135SB	S	Tetrachloroethylene (0.2-10 ppm)
135SM	S	Tetrachloroethylene (50 to 1250 ppm)
135SA	S	Tetrachloroethylene (Perchloroethylene) (5-300 ppm)
243U	S	Tetraethoxysilane (5-200 ppm)
162U	S	Tetrahydrofuran (20-400 ppm)
124SH	S	Toluene (100-3000 ppm)

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124SH	S	Toluene (100-3000 ppm)
124SA	S	Toluene (10-500 ppm)
124SA	S	Toluene (10-500 ppm)
124SB	S	Toluene (2-100 ppm)
124SB	S	Toluene (2-100 ppm)
504-TWA	T	Toluene (TWA) (20-200 ppm)
134SG	S	Trichloroethylene (0.05 to 2%)
134SB	S	Trichloroethylene (0.2-16 ppm)
134SA	S	Trichloroethylene (5-300 ppm)
213S	S	Triethylamine (1-20 ppm)
237S	S	Vinyl Acetate (5-120 ppm)
132SA	S	Vinyl Chloride (0.05-1 %v)
132SC	S	Vinyl Chloride (0.1-12 ppm)
132SB	S	Vinyl Chloride (5-500 ppm)
177U	S	Water Vapor (0.05-2.0 mg/l)
177SA	S	Water Vapor (1.7-33.8 mg/l)
177UR	S	Water Vapor (2-12 lb/MMCF)
177UL	S	Water Vapor (3-80 lb/MMCF)
603SPA	C	Water Vapor Compressed Breathing Air Tube (20-160 mg/M3)
143SA	S	Xylene (5-1000 ppm)
143SB	S	Xylene (5-200 ppm)

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