



TO-15/17 MIXTURE PROFILE

MATHESON offers a comprehensive list of standard TO-15 gas mixtures. In addition, MATHESON offers custom TO-15 mixtures with Customer defined minor components and concentrations.

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1I	350	1,800	12,410	69	36
2I	350	1,800	12,410	48	22

62 Minor Component TO-15

• Acetone [67-64-1]	• 1,1-Dichloroethene [75-35-4]	• R-113* (1,1,2-trichlorotrifluoroethane) [76-13-1]
• Benzene [71-43-2]	• Cis-1,2-Dichloroethene [156-59-2]	• R-114* (1,2-dichlorotetrafluoroethane) [76-14-2]
• Benzyl chloride [100-44-7]	• Trans-1,2-Dichloroethene [156-60-5]	• Styrene [100-42-5]
• Bromoform [75-25-2]	• 1,2-Dichloropropane [78-87-5]	• 1,1,2,2-Tetrachloroethane [79-34-5]
• Bromomethane [74-83-9]	• Cis-1,3-Dichloropropene [10061-01-5]	• Tetrachloroethene [127-18-4]
• Bromodichloromethane [75-27-4]	• Trans-1,3-Dichloropropene [10061-02-6]	• Tetrahydrofuran [109-99-9]
• 1,3-Butadiene [106-99-0]	• 1,4-Dioxane [123-91-1]	• Toluene [108-88-3]
• 2-Butanone (MEK) [78-93-3]	• Ethanol [64-17-5]	• 1,1,1-Trichloroethane [71-55-6]
• Carbon disulfide [75-15-0]	• Ethyl acetate [141-78-6]	• 1,1,2-Trichloroethane [79-00-5]
• Carbon tetrachloride [56-23-5]	• Ethyl benzene [100-41-4]	• Trichloroethene [79-01-6]
• Chlorobenzene [108-90-7]	• 4-Ethyltoluene [622-96-8]	• 1,2,4-Trichlorobenzene [120-82-1]
• Chloroethane [75-00-3]	• Heptane [142-82-5]	• 1,2,4-Trimethylbenzene [95-63-6]
• Chloroform [67-66-3]	• Hexachloro-1,3-butadiene [87-68-3]	• 1,3,5-Trimethylbenzene [108-67-8]
• Cyclohexane [110-82-7]	• Hexane [110-54-3]	• Vinyl acetate [108-05-4]
• Chloromethane [74-87-3]	• 2-Hexanone (MBK) [591-78-6]	• Vinyl chloride [75-01-4]
• Dibromochloromethane [124-48-1]	• 4-Methyl-2-Pentanone (MIBK) [108-10-1]	• o-Xylene [95-47-6]
• 1,2-Dibromoethane [106-93-4]	• Methylene chloride [75-09-2]	• m-Xylene [108-38-3]
• 1,2-Dichlorobenzene [95-50-1]	• Methyl-tert-butylether (MTBE) [1634-04-4]	• p-Xylene [106-42-3]
• 1,3-Dichlorobenzene [541-73-1]	• 2-Propanol [67-63-0]	• Balance VOC Free Nitrogen
• 1,4-Dichlorobenzene [106-46-7]	• Propylene [115-07-1]	
• 1,1-Dichloroethane [75-34-3]	• R-11* (trichlorofluoromethane) [75-69-4]	
• 1,2-Dichloroethane [107-06-2]	• R-12* (dichlorodifluoromethane) [75-71-8]	

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1 ppm Mix Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.
62 Minor Component TO-15					
G2673778	1I	128 ft ³	3.64 m ³	For VOC < 1 ppm in 1I, 2I Cylinders ULTRA Line UHP Regulator	SEQ9303-350V2T
G2673779	2I	68 ft ³	2.40 m ³		
64 Minor Component TO-15					
Refer to the 62 Minor Component TO-15 PLUS Acrolein [107-02-8] and Methyl Methacrylate. [80-62-6].					
G0832068	1I	128 ft ³	3.64 m ³	For VOC ≥ 1 ppm in 1I, 2I Cylinders Miniature Regulator SS	SEQ3571-350-2T
G0832072	2I	68 ft ³	2.40 m ³		
65 Minor Component TO-15					
Refer to the 62 Minor Component TO-15 PLUS Acrolein [107-02-8], Methyl Methacrylate [80-62-6], and Naphthalene [91-20-3].					
NOTE: MATHESON limits the Naphthalene concentration to 0.5 ppm					
G0833068	1I	128 ft ³	3.64 m ³		
G0833072	2I	68 ft ³	2.40 m ³		

Please refer to MATHESON Brochure BR-201 for more information.