

MOTT GAS PURIFIERS (MGP) CLASSIFICATION GUIDE



IG CLASS - INERT GASES

Gases Purified: N₂, Ar, He, Kr, Ne, Xe

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
IG-101	H ₂ O	No	Yes	<100 PPT
IG-102	H ₂ O, CO ₂ , NMHC	No	Yes	<100 PPT
IG-103	H ₂ O, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	No	Yes	<100 PPT
IG-105	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC	Yes / UN2881	Yes	<100 PPT
IG-106	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	Yes / UN2881	Yes	<100 PPT
IG-109	Organics, Refractory Compounds	No	No	<100 PPT
IG-110	H ₂ O, CO ₂	No	No	<1 PPB

RG CLASS - HYDROGEN (REACTIVE) GASES

Gases Purified: H₂, D₂, H₂ Inert Mixtures

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
RG-201	H ₂ O	No	Yes	<100 PPT
RG-202	H ₂ O, CO ₂ , NMHC	No	Yes	<100 PPT
RG-203	H ₂ O, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	No	Yes	<100 PPT
RG-205	H ₂ O, O ₂ , CO, CO ₂ , NMHC	Yes / UN2881	Yes	<100 PPT
RG-206	H ₂ O, O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	Yes / UN2881	Yes	<100 PPT
RG-209	Organics, Refractory Compounds	No	No	<100 PPT
RG-210	H ₂ O, CO ₂	No	No	<1 PPB

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AG CLASS - ACID / CORROSIVE GASES

Gases Purified: BCl_3 , BF_3 , Cl_2 , ClF_3 , F_2 , HBr ,
 HCl , HF , NF_3 , SF_4 , WF_6

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
AG-301	H_2O	No	No	<1 PPB
AG-302 (HBr)	H_2O	No	No	<1 PPB
AG-303 (HCl)	H_2O	No	No	<1 PPB

HG CLASS - HYDRIDE GASES

Gases Purified: AsH_3 , B_2H_6 , CH_4 , D.C.S. (SiH_2Cl_2),
 Ge_2H_6 , GeH_4 , H_2Se , NH_3 , PH_3 , SF_6 ,
 SiH_2 , SiH_4 , Si_2H_6 , DMHZ, Hydride/Carrier Gas Mix

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
HG-501	H_2O , O_2 , CO	Yes / UN3089	No	<1 PPB
HG-502 (NH_3)	H_2O , O_2 , CO_2 , Organics	Yes / UN3089	No	<1 PPB
HG-503	H_2O , O_2 , CO_2	Yes / UN3089	No	<1 PPB

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OG CLASS - OXYGEN / CDA GASES

Gases Purified: O₂, Clean Dry Air

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
OG-601	H ₂ O	No	Yes	<100 PPT
OG-602	H ₂ O, CO ₂ , Acids, Bases, Refractory Compounds	No	Yes	<100 PPT
OG-603	H ₂ O, CO, CO ₂ , THC, H ₂	No	No	<1 PPB
OG-606	H ₂ O, CO ₂ , NMHC, Amines, Nox	No	Yes	<100 PPT
OG-608	Organics, Refractory Compounds, Acids	No	No	<100 PPT
OG-609	H ₂ O, Organics, Refractory Compounds, Acids, Bases	No	No	<100 PPT
OG-610	H ₂ O, CO ₂	No	No	<1 PPB

CO2 CLASS - CARBON DIOXIDE GAS

Gas Purified: CO₂

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
CO2-701	H ₂ O	No	Yes	<100 PPT
CO2-702	H ₂ O, Acids, Bases, Refractory Compounds	No	No	<100 PPT
CO2-703	H ₂ O, O ₂ , CO, H ₂ , NMHC, Acids, Bases, Refractory Compounds	Yes / UN2881	Yes	<100 PPT
CO2-705	H ₂ O, CO ₂ , NMHC, Amines, Nox	No	Yes	<100 PPT
CO2-706	Organics, Refractory Compounds	No	No	<100 PPT

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CO CLASS - CARBON MONOXIDE GAS

Gases Purified: CO

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
CO-801	H ₂ O, O ₂ , CO ₂	Yes / UN3089	No	<1 PPB

FG CLASS - FLUOROCARBON GASES

Gas Purified: CxFy

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
FG-901	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	Yes / UN2881	No	<100 PPT
FG-902	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC	Yes / UN2881	No	<100 PPT
FG-903	H ₂ O	No	No	<100 PPT

HCG CLASS - HYDROCARBON GASES

Gas Purified: CH₄, C₂H₆, C₃H₈, C₄H₁₀, C₅H₁₂, C₆H₁₄, C₇H₁₆

Fill Class	Impurities Removed	Dangerous Goods / #	Factory Regen	Outlet Purity
HCG-1101	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds	Yes / UN2881	Yes	<100 PPT
HCG-1103	Organics, Refractory Compounds	No	Yes	<100 PPT