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Gas & Metal Compatibility Table

Ammonia			
Armmonia NH₃ SS/Ni Argon Ar SS/Ni Arsenic Pentafluoride AsF₅ SS/Ni Arsine AsH₃ SS/Ni(1) Boron Trichloride BCI₃ Ni/H Boron Trifluoride BF₃ Ni/H Carbon Dioxide CO₂ SS/Ni Carbon Monoxide CO SS Carbon Tetrachloride CCI₄ SS/Ni Carbon Tetraflouride CF₄ SS/Ni Carbon Tetraflouride CCI₄ SS/Ni/I Chlorine Cl₂ SS/Ni/I Diborane B₂H₆ SS/Ni/I Diborane B₂H₆ SS/Ni/I Diborane SiH₂Cl₂ Ni/H Diborane Sal+I₆ SS/Ni/I Diborane B₂H₆ SS/Ni/I Diborane Sal+I₆ SS/Ni/I Diborane Cal+I₀Te SS/Ni/I Diborane Cal+I₀Te SS/Ni/I Diborane Cal+I₀Te SS/Ni/I Diborane Cal+		Chemical	Suggested
Argon Ar SS/Ni Arsnic Pentafluoride ASF₅ SS/Ni(1) Arsine ASH₃ SS/Ni(1) Boron Trichloride BCl₃ Ni/H Boron Trifluoride BF₃ Ni/H Carbon Dioxide CO₂ SS/Ni Carbon Monoxide CO SS Carbon Tetrachloride CCl₄ SS/Ni Carbon Tetraflouride CF₄ SS/Ni Chlorine Cl₂ SS/Ni/H Dibrorane B₂H₆ SS/Ni/H Dibrorane Sil+₂Cl₂ Ni/H Dibrorane Cl²-a SS/Ni/H Dibrorane Cl²-b SS/Ni/H Dibrorane Cl²-b SS/Ni/H Dibrorane Cl²-b SS/Ni/H Dibrorane Cl²-b SS/Ni/H Freno 13 Ccl²-b	Gas	Formula	Filter Media
Arsenic Pentafluoride AsFs SS/Nii Arsine AsHs SS/Nii(1) Boron Trichloride BCl₃ Ni/H Boron Trifluoride BF₃ Ni/H Carbon Dioxide CO₂ SS/Ni Carbon Tetrachloride CCl₂ SS/Ni Carbon Tetrachloride CCl₂ SS/Ni/H Chlorine Cl₂ SS/Ni/H Diborane B₂H₂ SS/Ni/H Dichlorosilane SiH₂Cl₂ Ni/H Freon 13 CClF₃ SS/Ni Freon 14 Tetrafluoromethane/Fluoro-form CH₃S SS/Ni Freon 13 CClF₃	Ammonia	NH₃	SS/Ni
Arsenic Pentafluoride AsFs SS/Nii Arsine AsHs SS/Nii(1) Boron Trichloride BCl₃ Ni/H Boron Trifluoride BF₃ Ni/H Carbon Dioxide CO₂ SS/Ni Carbon Tetrachloride CCl₂ SS/Ni Carbon Tetrachloride CCl₂ SS/Ni/H Chlorine Cl₂ SS/Ni/H Diborane B₂H₂ SS/Ni/H Dichlorosilane SiH₂Cl₂ Ni/H Freon 13 CClF₃ SS/Ni Freon 14 Tetrafluoromethane/Fluoro-form CH₃S SS/Ni Freon 13 CClF₃		Ar	
Arsine			
Boron Trichloride			
Boron Trifluoride			
Carbon Dioxide CO₂ SS/Ni Carbon Monoxide CO SS Carbon Tetrachloride CCl₄ SS/Ni Carbon Tetraflouride CF₄ SS/Ni Chlorine Cl₂ SS/Ni/H Diborane B₂½Cl₂ Ni/H Diborane SiH₂Cl₂ Ni/H Dichlorosilane SiH₂Cl₂ Ni/H Diethyttelluride C₄H₁₀Te SS/Ni Diethyttelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane C₂F₃ SS/Ni Freon 115 Chloropentafluoroethane C₂CIF₃ SS/Ni Freon 116 Hexafluoroethane C₂F₃ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Bromide HBr Ni/H			
Carbon Monoxide CO SS Carbon Tetrachloride CCI₄ SS/Ni Carbon Tetraflouride CF₄ SS/Ni/H Chlorine CI₂ SS/Ni/H Diborane B₂H₆ SS/Ni(1) Dichorosilane SiH₂Cl₂ Ni/H Diethyttelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CCIF₃ SS/Ni Freon 123 Trifluoromethane/Fluoro-form CHF₃ SS/Ni Freon 115 Chloropentafluoroethane C₂F₆ SS/Ni Freon 116 Hexafluoroethane C₂F₆ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Bromide HBr Ni/H Hydrogen Fluoride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni			
Carbon Tetraflouride CCI₄ SS/Ni Carbon Tetraflouride CF₄ SS/Ni Chlorine CI₂ SS/Ni/H Diborane B₂H₂ SS/Ni/H Diborane B₂H₂ SS/Ni/H Dichlorosilane SiH₂Cl₂ Ni/H Diethyltelluride C₄H₁₀Te SS/Ni Filuorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 115 Chloropentafluoroethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂CIF₅ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Bromide HBr Ni/H Hydrogen Fluoride HC Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni <			
Carbon Tetraflouride CF₄ SS/Nii Chlorine Cl₂ SS/Nii/H Diborane B₂H₆ SS/Ni(1) Dichlorosilane SiH₂Cl₂ Ni/H Dichlorosilane SiH₂Cl₂ Ni/H Diethyltelluride C₄H₁₀Te SS/Ni Filuorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 14 Tetrafluoroethane C₂CIF₃ SS/Ni Freon 115 Chloropentafluoroethane C₂CIF₃ SS/Ni Freon 116 Hexafluoroethane GeH₄ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Selenide Hc Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni			
Chlorine Cl₂ SS/Ni/H Diborane B₂H₀ SS/Ni(1) Dichlorosilane SiH₂Cl₂ Ni/H Diethyltelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 115 Chloropentafluoroethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂F₆ SS/Ni Freon 116 Hexafluoroethane C₂F₆ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Selenide HF Ni/H Hydrogen Sulfide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Krypton Kr SS/Ni Methyl Fluoride CH₃F SS/Ni Nitrogen Trifluoride NF₃ SS/Ni			
Diborane B₂H₀ SS/Ni(1) Dichlorosilane SiH₂Cl₂ Ni/H Diethyltelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 23 Trifluoromethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂CIF₅ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Bromide HBr Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride NF₃ SS/Ni Nitrogen N² SS/Ni Nitrog			
Dichlorosilane SiH₂Cl₂ Ni/H Diethyltelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 15 Chloropentafluoroethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂CIF₅ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methyl Fluoride CH₄ SS/Ni Mytogen Sulfide N₂S SS/Ni Mytogen CH₄ SS/Ni Methyl Fluoride CH₄ SS/Ni Nitrogen Trifluoride NS SS/Ni			
Diethyltelluride C₄H₁₀Te SS/Ni Fluorine F₂ Ni/H Freon 13 CCIF₃ SS/Ni Freon 14 Tetrafluoromethane CF₄ SS/Ni Freon 23 Trifluoromethane/Fluoro-form CHF₃ SS/Ni Freon 115 Chloropentafluoroethane C₂F₅ SS/Ni Freon 116 Hexafluoroethane C₂F₅ SS/Ni Germane GeH₄ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Sulfide H₂S SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Mytric Oxide NO SS/Ni Nitric Oxide NO SS/Ni Nitrogen Trifluoride NF₃ SS/Ni <			
Fluorine			
Freon 13			
Freon 14 Tetrafluoromethane/Fluoro-form CF4 SS/Ni Freon 23 Trifluoromethane/Fluoro-form CHF3 SS/Ni Freon 115 Chloropentafluoroethane C₂CF6 SS/Ni Freon 116 Hexafluoroethane C₂F6 SS/Ni Germane GeH4 SS/Ni Helium He SS/Ni Hydrogen He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Krypton Kr SS/Ni Methane CH4 SS/Ni Methyl Fluoride CH3F SS/Ni Mitrogen N2 SS/Ni Nitrogen N2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide NP2O SS/Ni Neon NP3 SS/Ni Oxygen O2 SS/Ni			
Freon 23 Trifluoromethane/Fluoro-form CHF₃ SS/Ni Freon 115 Chloropentafluoroethane C₂CIF₅ SS/Ni Freon 116 Hexafluoroethane C₂F₆ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen He SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Selenide Hg²Se SS/Ni Hydrogen Sulfide Hg²Se SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitrogen N² SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide N² SS/Ni Neon SS/Ni SS/Ni Oxone N² SS/Ni Perflouropropane C₃F₃ SS/Ni Phosphorus Trifluoride PF₃ SS/Ni			
Freon 115 Chloropentafluoroethane C₂F6 SS/Ni Freon 116 Hexafluoroethane C₂F6 SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Krypton Kr SS/Ni Methyl Fluoride CH₃F SS/Ni Methyl Fluoride CH₃F SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Oxpone O₃ H Perflouropropane C₃F₃			
Freon 116 Hexafluoroethane C₂F₆ SS/Ni Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₃ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide N₂O SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Phosphorus Trifluoride PF₃ SS/Ni Phosphorous Pentachloride PF₃ SS/Ni <td></td> <td></td> <td></td>			
Germane GeH₄ SS/Ni Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide NP₃ SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Ozone O₃ H Perflouropropane C₃F₃ SS/Ni Phosphorus Trifluoride PF₃ SS/Ni Phosphorus Pentachloride PF₅ SS/Ni Phosphorous Pentachloride PF₅ SS/Ni<			
Helium He SS/Ni Hydrogen H₂ SS/Ni Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂Se SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide N₂O SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Ozone O₃ H Perflouropropane C₃F₃ SS/Ni Phosphorus Trifluoride PF₃ SS/Ni Phosphorous Pentachloride PF₅ SS/Ni Phosphorous Pentachloride PF₅ SS/Ni			
HydrogenH2SS/NiHydrogen BromideHBrNi/HHydrogen ChlorideHCINi/HHydrogen FluorideHFNi/HHydrogen SelenideH2SeSS/NiHydrogen SulfideH2SSS/NiKryptonKrSS/NiMethaneCH4SS/NiMethyl FluorideCH3FSS/NiNitrogenNOSS/NiNitrogenNP2SS/NiNitrogen TrifluorideNF3SS/Ni/HNitrous OxideN2OSS/NiNeonNeSS/NiOxygenO2SS/NiOzoneO3HPerflouropropaneC3F8SS/NiPhosphinePH3SS/Ni(1)Phosphorus TrifluoridePF3Ni/HPhosphorous PentachloridePCIsSS/NiSilaneSiH4SS/NiSilaneSiH4SS/NiSilicon TetrachlorideSiF4Ni/HStibineSbH3SS/NiSulfur HexafluorideSF6SS/NiTetraethyl OrthosilicateTEOSSS/NiTrimethyl BoraneC3H3BSS/NiTrimethyl PhosphateC3H3PO4SS/NiTungsten HexafluorideWF6Ni/H	0.01.110.110		
Hydrogen Bromide HBr Ni/H Hydrogen Chloride HCl Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H ₂ Se SS/Ni Hydrogen Sulfide H ₂ S SS/Ni Krypton Kr SS/Ni Methane CH ₄ SS/Ni Methyl Fluoride NO SS/Ni Nitrogen Trifluoride NF ₃ SS/Ni/H Nitrogen Trifluoride NF ₃ SS/Ni/H Nitrous Oxide NO SS/Ni Nitrogen Trifluoride NF ₃ SS/Ni/H Nitrous Oxide N ₂ O SS/Ni Neon Ne SS/Ni Oxygen O ₂ SS/Ni Ozone O ₃ H Perflouropropane C ₃ F ₈ SS/Ni(1) Phosphorus Trifluoride PF ₃ Ni/H Phosphorus Pentachloride PF ₅ SS/Ni Silane SiH ₄ SS/Ni Silicon Tetrachloride SiCl ₄ Ni/H Stibine SbH ₃ SS/Ni Sulfur Hexafluoride SiCl ₄ Ni/H Stibine SbH ₃ SS/Ni Trichlorosilane SiHCl ₃ Ni/H Trimethyl Borane C ₃ H ₈ B SS/Ni Trimethyl Phosphate C ₃ H ₈ PO ₄ SS/Ni			
Hydrogen Chloride HCI Ni/H Hydrogen Fluoride HF Ni/H Hydrogen Selenide H2Se SS/Ni Hydrogen Sulfide H2S SS/Ni Krypton Kr SS/Ni Methane CH4 SS/Ni Methyl Fluoride CH3F SS/Ni Nitrogen NO SS/Ni Nitrogen NP2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide NP4 SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCIs SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni			
Hydrogen Fluoride Hydrogen Selenide Hydrogen Selenide Hydrogen Sulfide Hydrogen Sulfide Hydrogen Sulfide Hydrogen Sulfide Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide N₂O SS/Ni Neon Nee SS/Ni Oxygen O₂ SS/Ni Oxygen O₂ SS/Ni Phosphine Phosphine Phosphine Phosphorus Trifluoride PF₃ SS/Ni(1) Phosphorous Pentachloride PCI₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiCl₄ Ni/H Stibine SiHa SS/Ni Sulfur Hexafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Tetraethyl Orthosilicate Trichlorosilane Trimethyl Borane C₃H₃B SS/Ni Trimethyl Phosphate C₃H₃PO₄ SS/Ni			
Hydrogen Selenide H₂Se SS/Ni Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrous Oxide N₂O SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Ozone O₃ H Perflouropropane C₃F₃ SS/Ni Phosphine PH₃ SS/Ni(1) Phosphorus Trifluoride PF₃ Ni/H Phosphorous Pentachloride PCI₅ SS/Ni Phosphorous Pentaflouride PF₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate <td< td=""><td></td><td></td><td></td></td<>			
Hydrogen Sulfide H₂S SS/Ni Krypton Kr SS/Ni Methane CH₄ SS/Ni Methyl Fluoride CH₃F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N₂ SS/Ni Nitrogen Trifluoride NF₃ SS/Ni/H Nitrogen Trifluoride N₂O SS/Ni Neon Ne SS/Ni Oxygen O₂ SS/Ni Ozone O₃ H Perflouropropane C₃F₀ SS/Ni Phosphine PH₃ SS/Ni(1) Phosphorous Trifluoride PF₃ Ni/H Phosphorous Pentachloride PF₅ SS/Ni Phosphorous Pentaflouride PF₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiCl₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trimethyl Borane			
Krypton Kr SS/Ni Methane CH4 SS/Ni Methyl Fluoride CH3F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorous Trifluoride PF3 Ni/H Phosphorous Pentachloride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCl4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate <td< td=""><td></td><td></td><td></td></td<>			
Methane CH4 SS/Ni Methyl Fluoride CH3F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCI5 SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride TEOS SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trimethyl Borane C3H3B SS/Ni Trimethyl Phosph	Krypton		
Methyl Fluoride CH ₃ F SS/Ni Nitric Oxide NO SS/Ni Nitrogen N2 SS/Ni Nitrogen Trifluoride NF ₃ SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C ₃ F ₈ SS/Ni Phosphine PH ₃ SS/Ni(1) Phosphorus Trifluoride PF ₃ Ni/H Phosphorous Pentachloride PCI ₅ SS/Ni Phosphorous Pentaflouride PF ₅ SS/Ni Silane SiH ₄ SS/Ni Silicon Tetrachloride SiCl ₄ Ni/H Silicon Tetrafluoride SiF ₄ Ni/H Stibine SbH ₃ SS/Ni Sulfur Hexafluoride TEOS SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl ₃ Ni/H Trimethyl Borane C ₃ H ₃ B SS/Ni Tungsten Hexafluoride WF ₆ Ni/H <td></td> <td></td> <td></td>			
Nitric Oxide NO SS/Ni Nitrogen N2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCIs SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl3 Ni/H Trimethyl Borane C3H3PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Nitrogen N2 SS/Ni Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCIs SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl3 Ni/H Trimethyl Borane C3H3B SS/Ni Trimethyl Phosphate C3H3PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Nitrogen Trifluoride NF3 SS/Ni/H Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCIs SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trimethyl Borane C3H3B SS/Ni Trimethyl Phosphate C3H3PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Nitrous Oxide N2O SS/Ni Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCI5 SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCI3 Ni/H Trimethyl Borane C3H3PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Neon Ne SS/Ni Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCI5 SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Oxygen O2 SS/Ni Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCI5 SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCI3 Ni/H Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Ozone O3 H Perflouropropane C3F8 SS/Ni Phosphine PH3 SS/Ni(1) Phosphorus Trifluoride PF3 Ni/H Phosphorous Pentachloride PCI5 SS/Ni Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCI4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCI3 Ni/H Trimethyl Borane C3H3B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Perflouropropane C₃F₀ SS/Ni Phosphine PH₃ SS/Ni(1) Phosphorus Trifluoride PF₃ Ni/H Phosphorous Pentachloride PCI₅ SS/Ni Phosphorous Pentaflouride PF₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiCI₄ Ni/H Silicon Tetrafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCI₃ Ni/H Trimethyl Borane C₃H₃B SS/Ni Trimethyl Phosphate C₃H₃PO₄ SS/Ni Tungsten Hexafluoride WF₆ Ni/H			
Phosphine PH₃ SS/Ni(1) Phosphorus Trifluoride PF₃ Ni/H Phosphorous Pentachloride PCl₅ SS/Ni Phosphorous Pentaflouride PF₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiCl₄ Ni/H Silicon Tetrafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl₃ Ni/H Trimethyl Borane C₃H₃B SS/Ni Trimethyl Phosphate C₃H₃PO₄ SS/Ni Tungsten Hexafluoride WF₆ Ni/H			
Phosphorus Trifluoride PF₃ Ni/H Phosphorous Pentachloride PCl₅ SS/Ni Phosphorous Pentaflouride PF₅ SS/Ni Silane SiH₄ SS/Ni Silicon Tetrachloride SiCl₄ Ni/H Silicon Tetrafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl₃ Ni/H Trimethyl Borane C₃H₃B SS/Ni Trimethyl Phosphate C₃H₃PO₄ SS/Ni Tungsten Hexafluoride WF₆ Ni/H			
Phosphorous Pentachloride PCI ₅ SS/Ni Phosphorous Pentaflouride PF ₅ SS/Ni Silane SiH ₄ SS/Ni Silicon Tetrachloride SiCI ₄ Ni/H Silicon Tetrafluoride SiF ₄ Ni/H Stibine SbH ₃ SS/Ni Sulfur Hexafluoride SF ₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCI ₃ Ni/H Trimethyl Borane C ₃ H ₃ B SS/Ni Trimethyl Phosphate C ₃ H ₃ PO ₄ SS/Ni Tungsten Hexafluoride WF ₆ Ni/H			
Phosphorous Pentaflouride PF5 SS/Ni Silane SiH4 SS/Ni Silicon Tetrachloride SiCl4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl3 Ni/H Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Silane SiH4 SS/Ni Silicon Tetrachloride SiCl4 Ni/H Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl3 Ni/H Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
Silicon Tetrachloride SiCl₄ Ni/H Silicon Tetrafluoride SiF₄ Ni/H Stibine SbH₃ SS/Ni Sulfur Hexafluoride SF₆ SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl₃ Ni/H Trimethyl Borane C₃H₃B SS/Ni Trimethyl Phosphate C₃H₃PO₄ SS/Ni Tungsten Hexafluoride WF₆ Ni/H			
Silicon Tetrafluoride SiF4 Ni/H Stibine SbH3 SS/Ni Sulfur Hexafluoride SF6 SS/Ni Tetraethyl Orthosilicate TEOS SS/Ni Trichlorosilane SiHCl3 Ni/H Trimethyl Borane C3H9B SS/Ni Trimethyl Phosphate C3H9PO4 SS/Ni Tungsten Hexafluoride WF6 Ni/H			
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$ \begin{array}{c cccc} Tetraethyl \ Orthosilicate & TEOS & SS/Ni \\ \hline Trichlorosilane & SiHCl_3 & Ni/H \\ \hline Trimethyl \ Borane & C_3H_9B & SS/Ni \\ \hline Trimethyl \ Phosphate & C_3H_9PO_4 & SS/Ni \\ \hline Tungsten \ Hexafluoride & WF_6 & Ni/H \\ \hline \end{array} $			
$ \begin{array}{c cccc} Trichlorosilane & SiHCl_3 & Ni/H \\ \hline Trimethyl Borane & C_3H_9B & SS/Ni \\ \hline Trimethyl Phosphate & C_3H_9PO_4 & SS/Ni \\ \hline Tungsten Hexafluoride & WF_6 & Ni/H \\ \hline \end{array} $			
Tungsten Hexafluoride WF ₆ Ni/H			
76 33/W			
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SS = 316L Stainless Steel

Ni = Nickel

H = Hastelloy® C-22

(1) -Compatible to 25 degrees C and concentrations to 1000 ppm

Choosing a Mott High Purity Gas Filter:

Choosing the best metal filter is not always a simple matter, because in addition to easily identified variables (i.e., gas, pressure and flow), there are subjective considerations. Some gases are compatible with more than one type of metal which allows you a choice when selecting the right filter for your application.

The information contained in this table is a guideline for appropriate filter selection. Consultation with your gas supplier is recommended to ensure gas compatibility. Because so many factors can affect the chemical resistance of a given product, you should pretest under your own operating conditions.

As with any chemical application, safety precautions as noted on MSDS sheets should be observed.

Mott engineers are available to recommend which filter best meets the criteria of your application. To expedite that selection process, you should have the following information available:

Type of Gas:		
Gas Flow Rate:		
Inlet (or system) Pressure:	PSIG	
Maximum allowable Δ P:	PSID	
Inlet & Outlet Connections:		
Available Envelope/Footprint Dimensions (if known):		

Mott Corporation has High Purity Distributors worldwide. Visit our website **www.mottcorp.com** and click on the Contact Us button to locate one in your area.

high purity products

