

# Material Selection for Gases in Non-Refillable Cylinders



What gas(es) are you using?

**Non-Reactive:**  
CO<sub>2</sub>, N<sub>2</sub>, Air,  
Hydrocarbons

**Reactive:**  
H<sub>2</sub>S + SO<sub>2</sub> <50ppm,  
CO <300ppm

**Highly Reactive:**  
CL<sub>2</sub>, HCL, HCN,  
NH<sub>3</sub>, NO, NO<sub>2</sub>,  
H<sub>2</sub>S + SO<sub>2</sub> >50ppm,  
CO > 300ppm

## Regulator Selection

Nickel Plated Brass:  
FF-100  
ODFR-1001  
VAF-100  
PBR-100



## Tubing Selection

Tygon



## Regulator Selection

Stainless Steel:  
FF-100SS  
ODRF-1001SS  
VAF-100SS

## Tubing Selection

Teflon Lined Tygon  
Tubing