

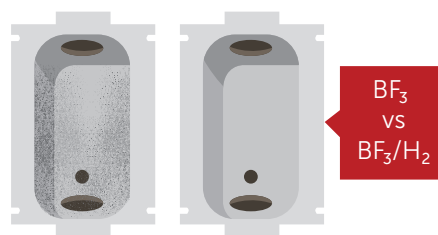
# Innovation and excellence in one cylinder: VAC<sup>®</sup> Mixtures

A range of gas mixtures developed to improve your implant productivity, including options for boron, germanium, silicon, and carbon implant species.

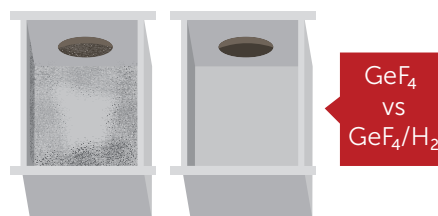


## WHY USE GAS MIXTURES?

- Increased source life
- Reduced source glitching
- Improved beam uniformity and purity
- Stable gas mixtures with 3-year shelf life
- Reduce or eliminate Argon post conditioning
- Improved beam performance

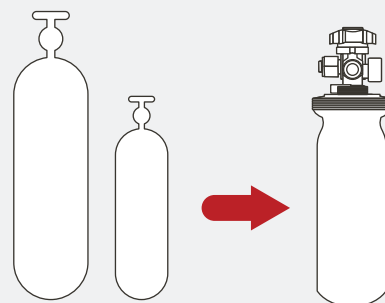


Available gas mixtures include  $\text{BF}_3/\text{H}_2$  and  $\text{GeF}_4/\text{H}_2$ .  $\text{SiF}_4/\text{H}_2$  and CO mixtures are ready for evaluation.



## WHY ONE CYLINDER?

- Premium gas blend ensures consistency in mixture content
- Reduces number of cylinder changeouts and cost of ownership
- Simplifies purchasing



## WHY ENTEGRIS SUBATMOSPHERIC DELIVERY?

- Designed for safety with dual regulator technology
- Stable and consistent gas delivery and pressure
- High gas capacity without sacrificing safety and quality



REDUCE RISK  
TO SITE  
PERSONNEL



ENHANCE  
EQUIPMENT  
RELIABILITY



REDUCE RISK OF  
CATASTROPHIC  
RELEASE