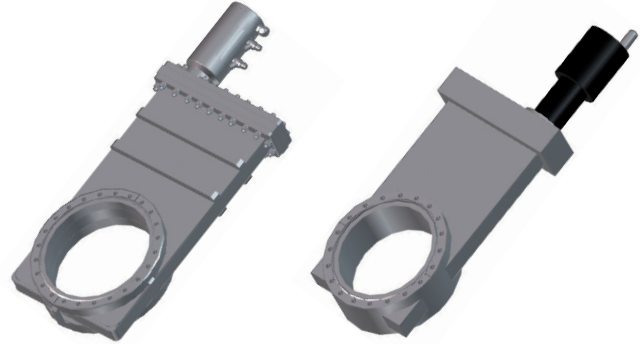


# Stainless Steel Gate Valves

- Stainless steel UHV gate valves
- From CF 35 to CF 300
- Manual & electro-pneumatic versions
- Bakeable versions, with Kalrez® gaskets



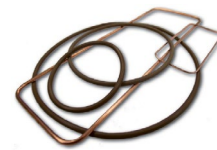
## Product introduction

Stainless steel gate valves are used in many different locations in Riber MBE systems and guarantee perfect UHV conditions while securing wafer transfer and pumping sequences.

Pneumatic valves are typically used in production, automated systems or to secure pumps, when manual valves are rather used on R&D systems or on isolatable devices.

Regarding gaskets, everywhere bakeout is required, Riber used O-ring Kalrez gasket: Kalrez® 4079 is a carbon black filled compound having excellent chemical resistance and mechanical properties. It has a maximum operating temperature of 315°C. Pneumatic actuators are unmounted for bakeout.

For standard conditions, O-ring Viton gaskets valves are kept.



Gate and bonnet seal kit  
- Copper Bonnet  
- Viton or Kalrez Gate o-ring

## Specifications

Characteristics	
Pressure range	10-10 mbar
Helium leak rate	<2.10 <sup>-9</sup> mbar
Mounting position	Any
Bakeout	
Valve open	200°C
Valve closed	150°C
Pneumatic version	
Pneumatic actuator max temp	60°C
Pneumatic air service	8 bar

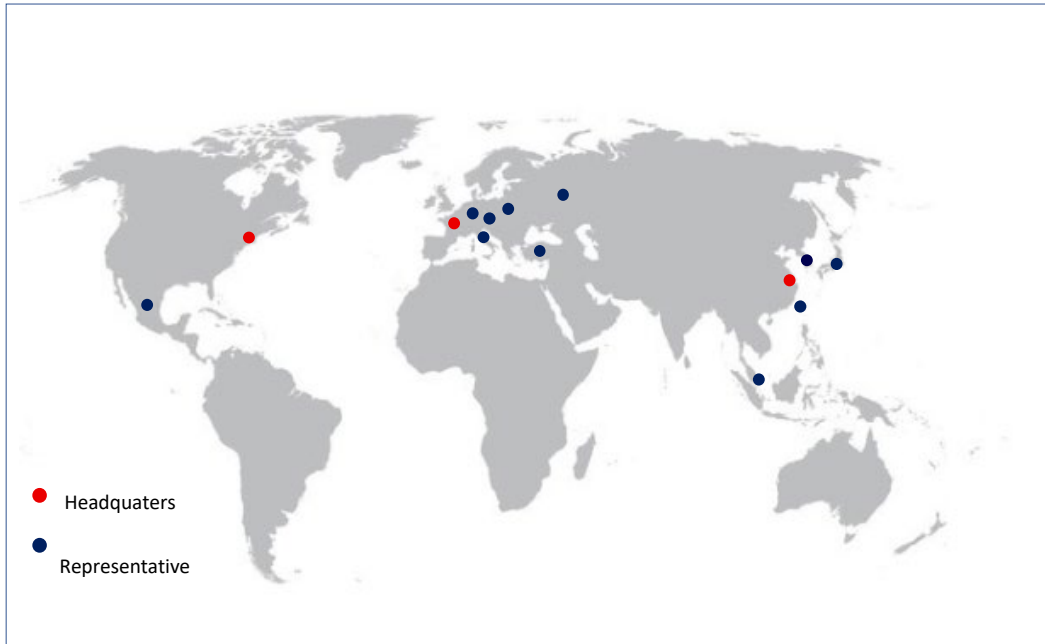
W	X	Y	Z
VTA	150	M	K

W= Gate Valve Model - VTA  
X= Nominal size ID -35to300  
Y= M :Manual // PC : Pneumatic  
Z= Gate Gasket Model – V: Viton // K\*= Kalrez

Type	VTA35	VTA63	VTA100	VTA150	VTA200	VTA250	VTA300
Nominal diameter (mm)	35	63	100	160	200	250	300
Connecting flanges	2x35CF	2x63CF	2x100CF	2x150CF	2x200CF	2x250CF	2x300CF
	Non rotatable						
Mechanism	Removable						

## RIBER SALES AND SERVICE NETWORK

For more information, please contact your local sales representative



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