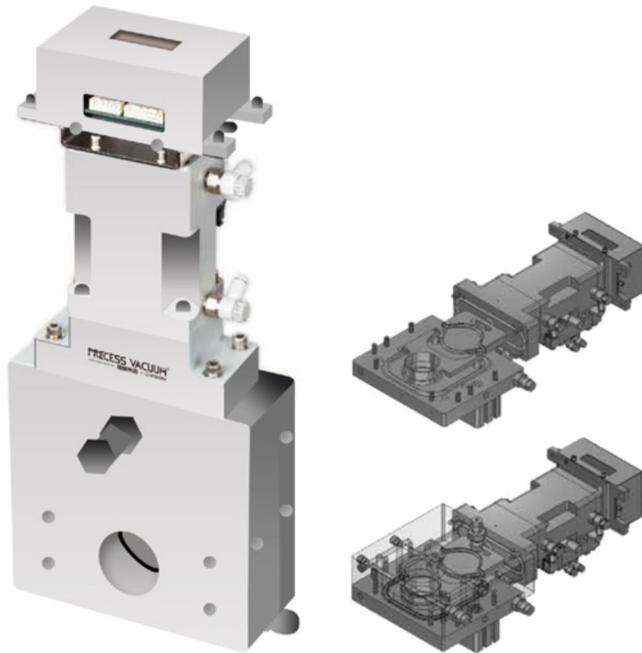


RPC Protection Gate Valve

REMOTE PLASMA CONTROL PROTECTION GATE VALVE I-MOTION, SERIES V24

For upstream cleaning air inflow chamber in SEMI production system. Suitable for Etch, CVD process.



APPLICATIONS

- Semiconductor processing
- All CVD process (including MO, PE, HDP, LP and AP)
- Manufacturing of solar process
- All other cluster and inline vacuum systems

MAIN FEATURES

- Semi standard application (Semi E21- 94, Semi E24- 92, Semi- E21.1-1296)
- Particle free, provide extremely clean upream air inflow chamber
- Vulcanized gate seal
- 100,000 service life cycles
- High vacuum gate valve
- Pneumatic actuator, double action
- Smart and modularization design, easy maintenance

OPTIONS

- White hard anodized surface treatment
- Custom opening size available
- Various O-ring (Kalrez®, Chemraz® etc.)

Valve with pneumatic actuator

with solenoid valve
with position indicator
double action

DN	Ordering Number	
	ISO-KF metric flange	ISO-K metric flange
mm		
40	V24-D-040-1-1-KEEAZCB-A	on request
Other size on request		

Specify control voltage

Actuator			Pneumatic
Leak rates		External	$< 1 \times 10^{-9}$ mbar l/s
		Internal	$< 1 \times 10^{-8}$ mbar l/s
Pressure range			1×10^{-8} mbar to 1.2 bar
Differential pressure on the gate in opening direction			≤ 1.2 bar
Differential pressure on the gate in closing direction			≤ 1.2 bar
Differential pressure at the opening			≤ 30 mbar
Life cycle until first service			$> 100,000$
Temperature		Valve body	$\leq 200^{\circ}\text{C}$
		Valve gate	$\leq 120^{\circ}\text{C}$
		Actuator	$\leq 60^{\circ}\text{C}$
Material		Valve body	EN AW-6061 (3.3211)
		Valve gate	EN AW-6061 (3.3211)
		Bonnet	EN AW-6061 (3.3211)
		Shaft	AISI 316L (1.4404, 1.4435)
Surface treatment		Valve body	White hard anodization
		Valve gate	White hard anodization
		Bonnet	White hard anodization
		Shaft	Bare
		Actuator	White hard anodization
Seal		Vacuum	FKM (Viton [®])
		Pneumatic	FFKM (DUPRA [®] DU-341)
		Gate	FFKM (DUPRA [®] DU-341)
		Bonnet	FFKM (DUPRA [®] DU-341)
Feed through			O-Ring Shaft
Solenoid valve			NA
Position indicator			NA
Air pressure			4.5 - 6 bar
Mounting position			Any
Air failure			No
Compress air connection			Quick connector OD 4mm