

■ Pendulum Valve

PENDULUM VALVE, SERIES V80

For applications requiring a compact design in large DN size. Especially suit to large coating and FPD system.



APPLICATIONS

- FPD, general vacuum processing
- Demanding of corrosive processing

MAIN FEATURES

- Shock free with minimum vibration during operation
- DN500, DN550 with FKM O-ring gate seal
- Both cast and cutting aluminum material valve body
- Split body design for fast and easy maintenance
- Rotary feedthrough

OPTIONS

- Custom specified flange
- Custom opening size available
- Various O-ring (Kalrez[®], Chemraz[®] etc.)

Valve with pneumatic actuator

without solenoid valve
with position indicator
double action

DN	Ordering Number	
mm	ISO-F metric flange	JIS
500	V80-D-500-1-1-PDEOZAC-A	on request
550	V80-D-550-1-1-PDBOZAC-A	on request

With solenoid valve is an option

Actuator		Pneumatic
Leak rates	Valve body, seat	$< 1 \times 10^{-9}$ 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		≤ 5 mbar
Life cycle until first service		$> 50,000$
Temperature	Valve body	$\leq 120^{\circ}\text{C}$
	Valve gate	$\leq 120^{\circ}\text{C}$
	Actuator	$\leq 60^{\circ}\text{C}$
	Solenoid valve	$\leq 50^{\circ}\text{C}$
	Position indicator	$\leq 60^{\circ}\text{C}$
Material	Valve body	EN AW-5083 (3.3547)
	Valve gate	EN AW-5083 (3.3547)
	Bonnet	EN AW-5083 (3.3547)
	Shaft	EN AW-5083 (3.3547)
	Mechanism	EN AW-5083 (3.3547)
Surface treatment	Valve body	Bare
	Valve gate	Vibration sanding
	Bonnet	Bare
	Shaft	Bare
	Actuator	White hard anodization
Seal	Bonnet, gate	FKM (Viton [®])
Feed through		Rotary feedthrough
Solenoid valve		24V DC or on request
Position indicator	Type	Micro switch
	Voltage	24V DC
	Current	5-40 mA
	Connector	D-Sub 9P male
Air pressure		4.5 - 6 bar
Mounting position		Any
Air failure		Lock at close position
Compress air connection		Quick connector OD 6mm
Options	<ul style="list-style-type: none"> ·8mm air fitting is available (standard 6mm) ·FFKM sealing material is available ·Other solenoid valve voltage (standard 24V DC) ·Different valve body surface treatment 	