

## Series 06.8

### Main applications

PV and large coating systems

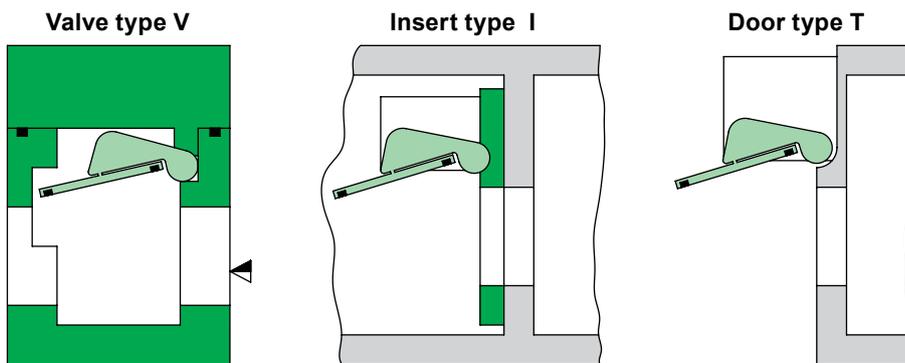


### Ordering information

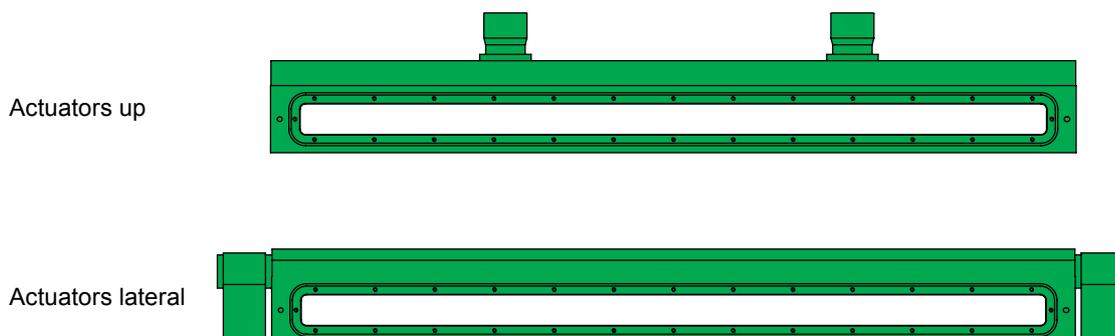
Valve with pneumatic actuator  
double acting  
with position indicator

Opening sizes	50 × 500 mm (1.97" × 19.69") to 100 × 3000 mm (3.94" × 118.11")
Ordering numbers	on request (example: 0680X-VA24- . . . .)

### Types



▼ Valve seat side



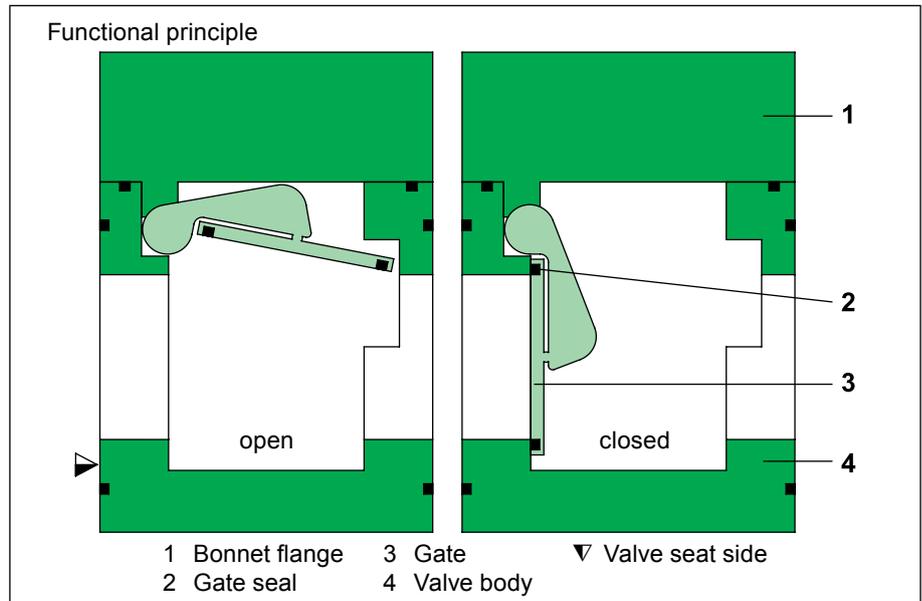
## Features

Body material:  
aluminum or stainless steel

Mechanism designed for harsh process conditions

Modular design:  
allows to realize a wide range of opening sizes

Mechanically locked in closed position



## Technical data

Further data on request

Leak rate <sup>1)</sup>	
– Valve body	$< 1 \cdot 10^{-7}$ mbar ls <sup>-1</sup>
– Valve seat	$< 1 \cdot 10^{-5}$ mbar ls <sup>-1</sup>
Differential pressure on the gate	
– In closing direction	$\leq 1$ bar
– In opening direction	$\leq 10$ mbar (optional 1 bar)
Differential pressure at opening	$\leq 5$ mbar
Cycles until first service <sup>1) 2)</sup>	1 million
Closing or opening time <sup>1)</sup>	$\leq 1.2$ s (with size 80 × 1500 mm)
Temperature <sup>1)</sup>	
– Valve body, gate	
– aluminum	$\leq 120$ °C
– stainless steel	$\leq 200$ °C
– Actuator	$\leq 80$ °C
Material	
– Valve body, gate, flanges	
– aluminum	EN AW-5083 (3.3547)
– stainless steel	AISI 304 (1.4301)
– Actuator shafts	SAE 1045 (1.1191), nitro carburized and oxidized
Seal: gate, flanges	FKM (Viton®)
Feedthrough	rotary feedthrough
Mounting position <sup>2)</sup>	actuator up, down or lateral
Position indicator: voltage	10–30VDC PNP (NPN optional)

<sup>1)</sup> Maximum values: depending on operating conditions and sealing materials

<sup>2)</sup> In the mounting position «actuator lateral» the cycles until first service will be reduced to 0.5 million

## Options

- Solenoid for impulse actuation 24VDC (others on request)
- Other sealing materials
- Water cooling in valve body and gate
- Pneumatic locking for open gate position
- Resistant against 1 bar differential pressure in opening direction