

LARGE DOOR L-VAT, SERIES 07.8

For FPD and PV production systems.



Shock-free L-movement

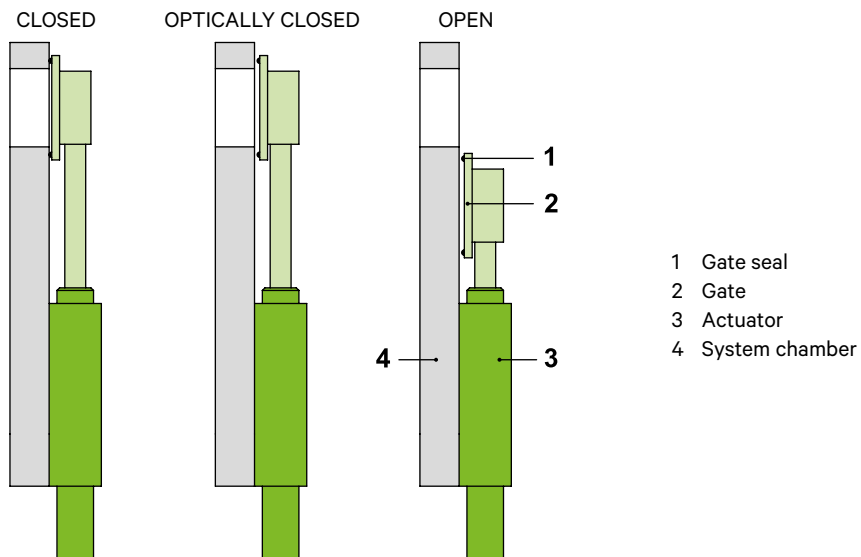
Particle-free

Low cost of ownership

MAIN FEATURES

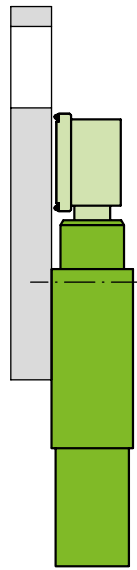
Opening sizes	81 × 800 mm to 250 × 2300 mm (3.19" × 31.50" to 9.84" × 90.55")
Actuator	pneumatic: double acting with position indicator
Gate material	aluminum
Sealing technology	L-VAT: see glossary

FUNCTIONAL PRINCIPLE



TYPE

Door type U



Actuator body mounted to chamber wall

VAT
 Customer part

TECHNICAL DATA

Leak rate ¹⁾	Gate in closing direction	< 1·10 ⁻⁷ mbar ls ⁻¹ (Δp at gate = 1 bar)
Differential pressure on the gate	In closing direction	≤ 1 bar
	In opening direction	≤ 5 mbar
Differential pressure at opening		≤ 5 mbar
Cycles until first service ¹⁾²⁾		1 million
Closing or opening time ¹⁾		≤ 2.5 s
Temperature ¹⁾	Gate	≤ 120 °C
	Actuator, position indicator	≤ 80 °C
Material	Gate	EN AW-5083 (3.3547)
	Actuator shafts	AISI 304 (1.4301), hard-chrome plated
	Connecting parts	EN AW-6082 (3.2315)
Seal	Gate	FKM (Viton®)
	Actuator, pressure plate	FKM (Viton®) and NBR
Mounting position		actuator up, down or lateral
Position indicator	Voltage	10 – 30 VDC PNP (NPN optional)

¹⁾ Maximum values: depending on operating conditions and sealing materials.
²⁾ In the mounting position «actuator lateral» the cycles until first service will be reduced to 0.5 million.

**OPTIONS,
CUSTOMIZED SOLUTIONS**

- Solenoid valve for impulse actuation 24 VDC (others on request)
- Surface treatment, e. g. hard anodized or nickel-plated aluminum
- Other sealing materials

ORDERING INFORMATION

Ordering numbers on request (example: 0780X-UA24- . . .)