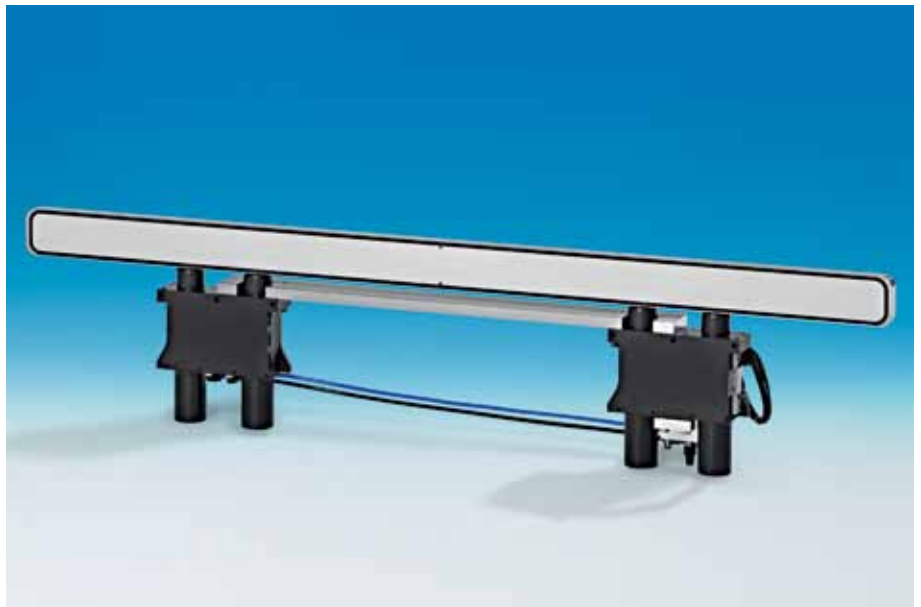


Series 07.5

Main applications

FPD and PV production systems



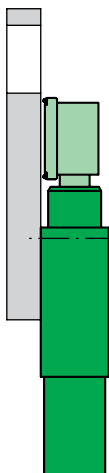
Ordering information

Door with pneumatic actuator
double acting
with position indicator

Opening sizes	25 × 560 mm (0.98" × 22.05") to 80 × 3500 mm (3.15" × 137.80")
Ordering numbers	on request (example: 0750X-UA24-)

Type

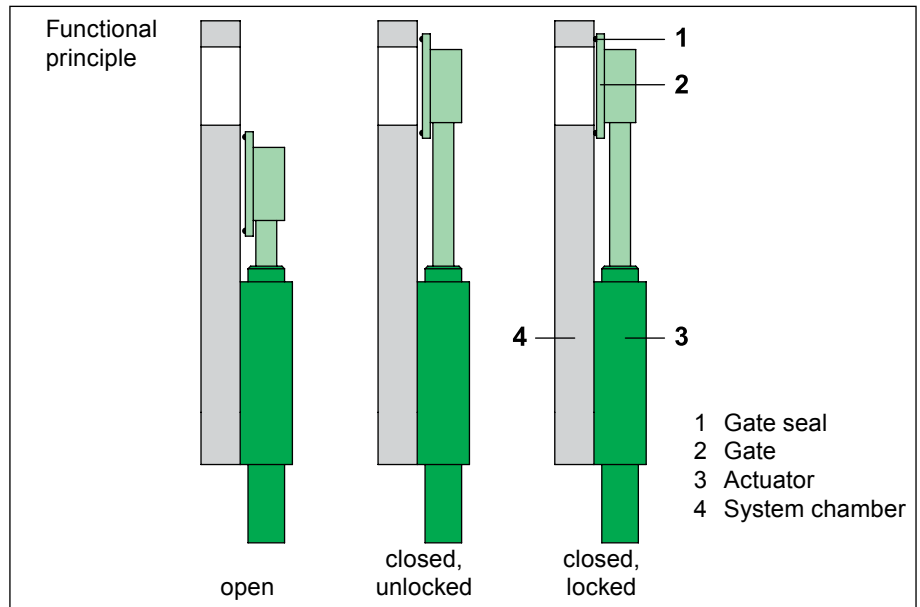
Door type U



Actuator body mounted
to chamber wall

Features

- Gate material:
aluminum or stainless steel
- L-VAT sealing technology: see glossary
- Virtually particle-free and vibration-free
L-movement
- Low cost of ownership



Technical data

Further data on request

Leak rate ¹⁾ : gate in closing direction	$< 1 \cdot 10^{-9}$ 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⁾	
– Opening height 25–50 mm	≤ 1.5 s
– Opening height 51–80 mm	≤ 2.0 s
Temperature ¹⁾	
– Gate	
- aluminum	≤ 120 °C
- stainless steel	≤ 150 °C
– Actuator, position indicator	≤ 80 °C
Material	
– Gate	
- aluminum	EN AW-5083 (3.3547)
- stainless steel	AISI 304 (1.4301), AISI 316L (1.4404)
– Actuator shafts	AISI 304 (1.4301) hard-chrome plated
– Connecting parts	EN AW-6082 (3.2315)
Seal	
– Gate, actuator, pressure plate	FKM (Viton®)
Mounting position ²⁾	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

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

Series 07.8 «small»

Main applications

FPD and PV production systems



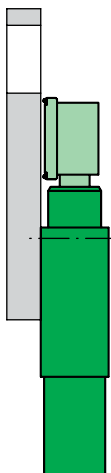
Ordering information

Door with pneumatic actuator
double acting
with position indicator

Opening sizes	81 × 800 mm (3.19" × 31.50") to 200 × 1200 mm (7.87" × 47.24")
Ordering numbers	on request (example: 0780X-UA24-)

Type

Door type U



Actuator body mounted
to chamber wall

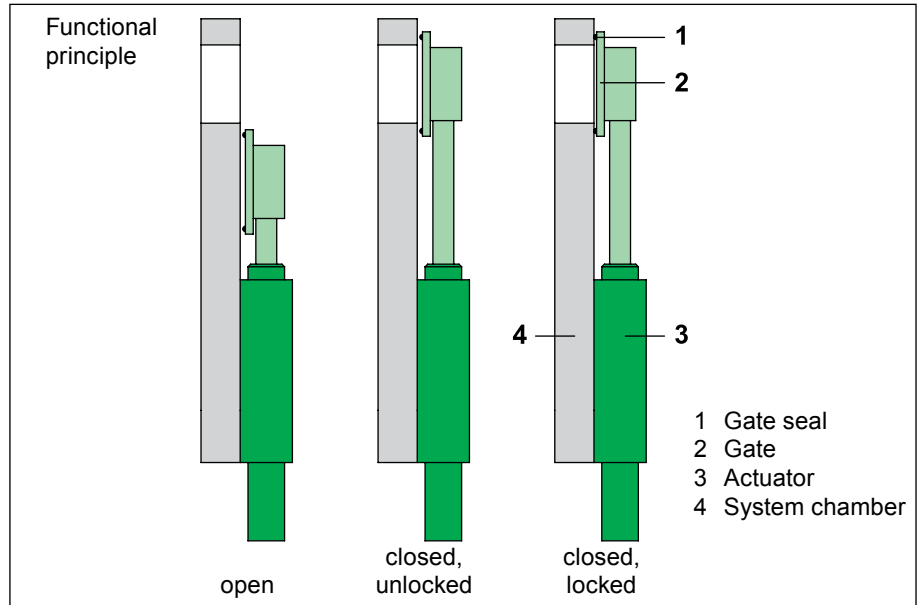
Features

Gate material: aluminum

L-VAT sealing technology: see glossary

Virtually particle-free and vibration-free L-movement

Low cost of ownership



Technical data

Further data on request

Leak rate ¹⁾ : gate in closing direction	$< 1 \cdot 10^{-7}$ 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 ²⁾	actuator up or down
Position indicator: voltage	10–30VDC 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

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

Series 07.8

Main applications

FPD and PV production systems



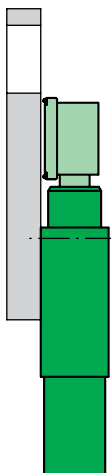
Ordering information

Door with pneumatic actuator
double acting
with position indicator

Opening sizes	81 × 800 mm (3.19" × 31.50") to 250 × 3000 mm (9.84" × 118.11")
Ordering numbers	on request (example: 0780X-UA24-)

Type

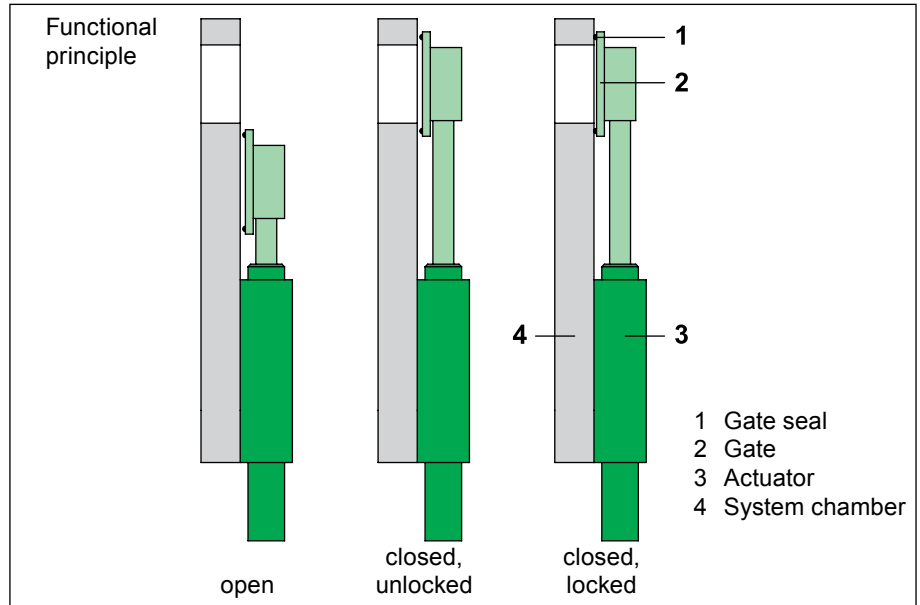
Door type U



Actuator body mounted
to chamber wall

Features

- Gate material:
aluminum or stainless steel
- L-VAT sealing technology: see glossary
- Virtually particle and vibration-free
L-movement
- Low cost of ownership



Technical data

Further data on request

Leak rate ¹⁾ : gate in closing direction	$< 1 \cdot 10^{-7}$ 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⁾	≤ 3.5 s
Temperature ¹⁾	
– Gate	
– aluminum	≤ 120 °C
– stainless steel	≤ 150 °C
– Actuator, position indicator	≤ 80 °C
Material	
– Gate	
– aluminum	EN AW-5083 (3.3547)
– stainless steel	AISI 304 (1.4301), AISI 316L (1.4404)
– 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 ²⁾	actuator up, down or lateral
Position indicator: voltage	10–30VDC 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

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