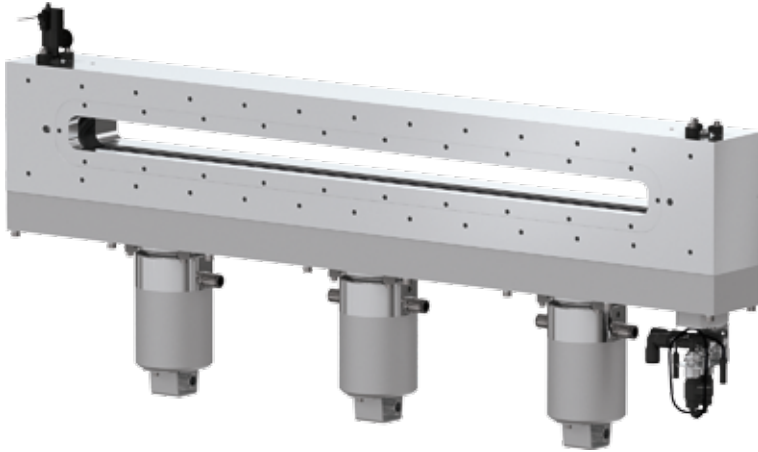


## ROLL-TO-ROLL TRANSFER VALVE MONOVAT, SERIES 02.7

For web/foil coating systems.



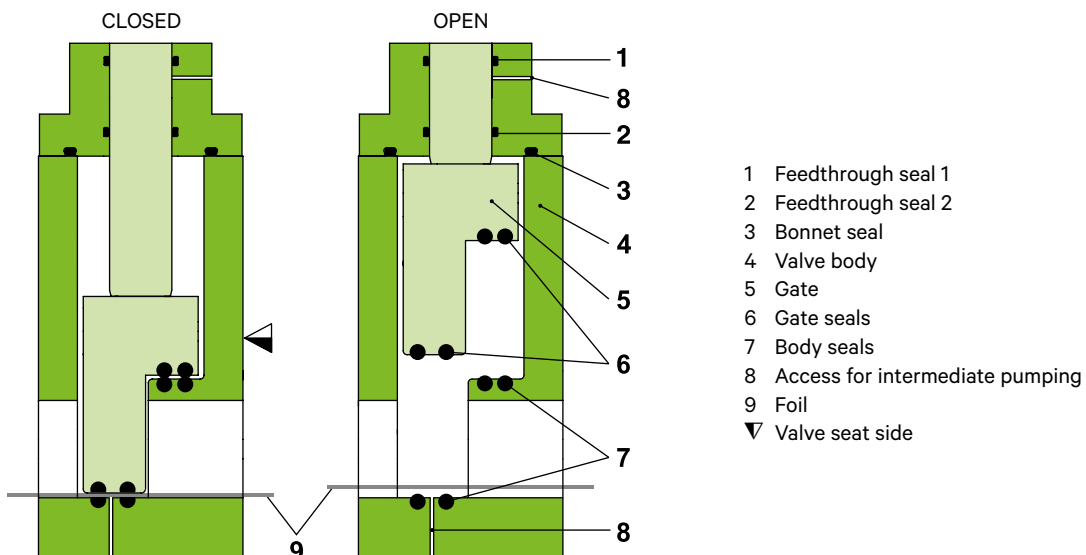
No damage of the foil due to the sophisticated sealing technology

Excellent sealing performance and high safety due to double sealing and intermediate pumping

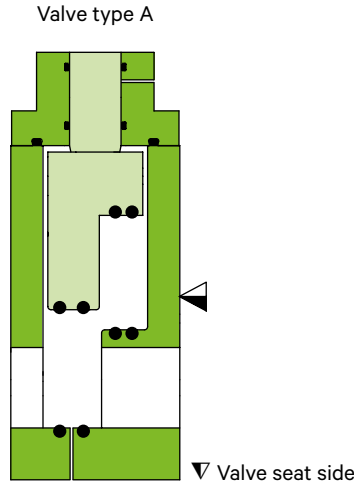
### MAIN FEATURES

Opening sizes	50 × 300 mm to 50 × 1750 mm (1.97" × 11.81" to 1.97" × 68.90")
Actuator	pneumatic: double acting with position indicator
Body material	aluminum or stainless steel
Feedthrough	shaft feedthrough with intermediate pumping
Sealing technology	MONOVAT: see glossary

### FUNCTIONAL PRINCIPLE



TYPE



Opening: rear side = seat side  
 With bonnet flange  
 Gate service through bonnet flange

TECHNICAL DATA

Leak rate <sup>1)2)</sup>	Valve body, valve seat	< 1 · 10 <sup>-5</sup> mbar ls <sup>-1</sup>
Differential pressure on the gate	In closing / opening direction	≤ 1 bar
Differential pressure at opening		≤ 5 mbar
Cycles until first service <sup>2)</sup>		10 000
Closing or opening time		≤ 1.5 s (with 50 mm opening height)
Temperature <sup>2)</sup>	Aluminum valve body / gate Stainless steel valve body / gate Actuator, position indicator	≤ 120 °C ≤ 150 °C ≤ 80 °C
Temperature difference body / gate		≤ 25 °C
Material	Aluminum valve body / gate Stainless steel valve body / gate Actuator shafts	EN AW-5083 (3.3547) AISI 304 (1.4301) AISI 304 (1.4301)
Seal	Gate, flanges, feedthrough	FKM (Viton®)
Feedthrough		shaft feedthrough with intermediate pumping
Mounting position		actuator up or down
Position indicator	Voltage	10 – 30 V DC PNP (NPN optional)
Tensile force of the foil on the gate		max. 0.5 N per mm (e. g. width of foil 300 mm, max. tensile force 150 N)

<sup>1)</sup> 4-fold sealing, stainless steel foil, thickness of foil 0.1 mm.  
<sup>2)</sup> Maximum values: depending on operating conditions and sealing materials.

OPTIONS,  
 CUSTOMIZED SOLUTIONS

- Solenoid valve for impulse actuation 24 V DC (others on request)
- Surface treatment, e. g. hard anodized or nickel-plated aluminum
- Bellows

ORDERING INFORMATION

Ordering numbers on request (example: 0270X-AA24- . . .)

