## Description

Flange	ASA-LP 63
Actuator	Manual actuator with detachable handle, self locking in any position, visual position indicator
Number of turns needed for full stroke	27 Turns
Feedthrough	Bellows feedthrough

Technical data

Leak rate
– Valve body $< 1 \cdot 10^{-9}$ mbar ls^{-1}
– Valve seat $< 1 \cdot 10^{-7}$ mbar ls^{-1}

Pressure range $1 \cdot 10^{-8}$ mbar to 1.2 bar (abs)

Differential pressure on the gate ≤ 1.2 bar

Conductance (molecular flow) 400 ls^{-1}

Max. differential pressure at opening in closing and opening direction with influence to the cycle life
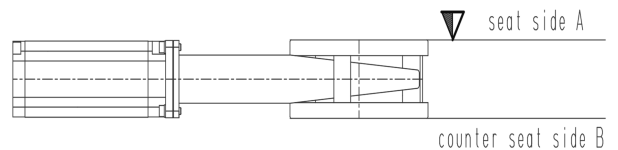
– Higher pressure on seat side A, the differential pressure acts in opening direction ≤ 1.0 bar with full cycle life

– Higher pressure on counter seat side B, the differential pressure acts in closing direction ≤ 30mbar with full cycle life

– Higher pressure on counter seat side B, the differential pressure acts in closing direction ≤ 1.0 bar with reduced cycle life

Cycles until first service 5 000 (unheated and under clean conditions)

Bellows cycles 100 000 (unheated and under clean conditions)

Bake-out temperature
– Valve body ≤ 150 °C (bake-out max. 24h)
– Actuator ≤ 100 °C

Heating and cooling rate	50 °C h^{-1}

Material
– Valve body	AISI 304 (1.4301)
– Bonnet	EN AW-5083 (3.3547)
– Gate	AISI 304 (1.4301), (1.4308)
– Parts (in contact with media)	A2 Ni-Teflon coated, PEEK
– Bellows	AISI 633, (AM350)

Seal
– Bonnet	FKM (Viton®)
– Gate	FKM (Viton®)
– Actuator	FKM (Viton®)

Mounting position	any
Weight	approx. 6.1 kg / 13.4 lbs