SG 90 SLIDING GATE

different wing heights

Technical Features

Place of Use	Indoors.
Operating Temperature, Humidity	-20°C/+68°C (opt. -50°C with heater positive), RH 95% non-condensing.
Operating Intensity	100%, 7/24 use.

Material Specifications	**Body**	304 grade (opt. 316 grade) satine brushed stainless steel.
	Top Lid	10 mm black tempered glass (opt. other materials), choice of top lid hollowed for surface mounted access control device is also available.
	Wings	RGB LED illuminated 10 mm tempered glass with 900-1200-2000 mm wing height options.

Indicators	**Side Status / Direction Indicators** : ⬛⬛ DOT MATRIX LED, standard.
	Passage Indicator : RGB LED under top lid and wings standard.

Power	**Operating Voltage** : 110/220V AC 50/60 Hz. (±10%), 24V DC.
	Consumption (single) : 11W at stand-by, max ~50W
	Consumption (center) : 22W at stand-by, max ~50+50W
	(varies according to the options and accessories used)

Operating Modes	System operates bi-directionally (entry-exit).
	Operation modes can be changed through dip switch.
	Entry - exit controlled Entry - exit free
	Entry controlled, exit free Exit controlled, entry free

Operating System	Suitable for passage with wheelchairs, suitcases and trolleys with clear passage width up to 900 mm.
	Electromechanical motorised system with electronic torque and sensor controls that provides wing movement retracting inside the body for rapid passages.
	A passage lane consists of min. 2 pieces of single units facing each other.
	Electromechanical motorized wings are closed at stand-by. Person requests authorisation from the access control device (3rd party device) connected to the gate's entry system. Upon authorisation, wings open, passage of the person is monitored by the multi-sensors along the passageway and wings close upon completion of the passage. In case of subsequent access authorisations, wings keep open until the last person completes his passage and then close.
	Wings do not move and do not harm the person in case the person is between the wings thanks to the sensors. In addition, electronic torque control system is continuously active during closing of the wings.
	Sensors along the passageway detects suitcase providing secure and comfortable passages.
	Systems generates audio/visual alarm in case of tailgating or illegal passage attempts.
	System message codes can be monitored from the internal diagnostic screen.

Control System	All functions, parameters and operating modes can be changed through the control board (microprocessor controlled).
	All inputs are opto-coupler protected.
	Controllable by dry contact (ground control).
	Compatible with all kinds of access control device.
	Optional RS232, RS485 or TCP/IP module is available.

Flow Rate	**Wing opening / closing time :** ~1,3-1,6 sec.
	Free passage mode : ~50 pass/min. **Nominal** : ~25 pass/min.
	(passage rate can change depending on the access control system utilized)

Emergency Mode	Wings provide a free passageway by automatically retracting inside the body (fail safe). Works compatible with fire warning and similar systems. At the end of an emergency situation, system returns to its normal operating mode.
Power-off Situation	Wings provide a free passageway by automatically retracting inside the body through internal battery (fail safe).

Weight	**Single** : ~190 kg
	Center : ~250 kg

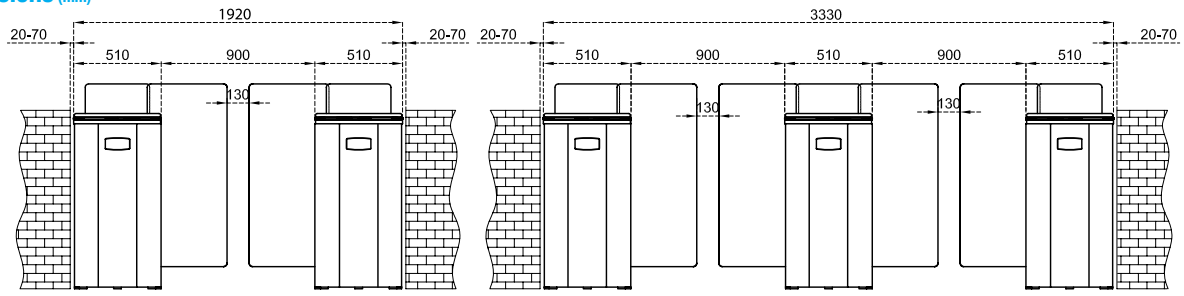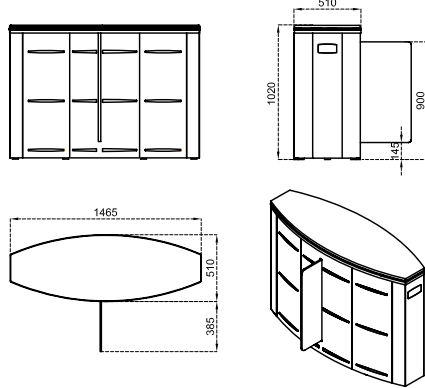| **Optional Features and Accessories**	Wireless remote control (receiver-transmitter), manual control, coin slot and coin box, single/multiple intelligent coin/token slot and box, card reader mounting bracket, heater positive, top lid weight sensor, bottom plate, battery back-up, 316 grade stainless steel, RS232-RS485-TCP/IP modules, sliding asteroid animated LED indicator, different outer body materials (mirror black, bronze, etc), different wing heights, motorized card collector unit and card collection box, different top lid materials (stainless steel, natural granite, etc.).

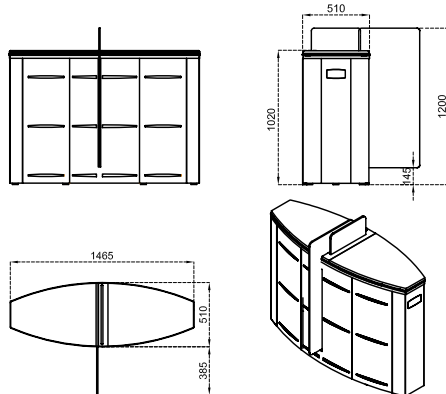# SG 90 SLIDING GATE

Dimensions (mm)
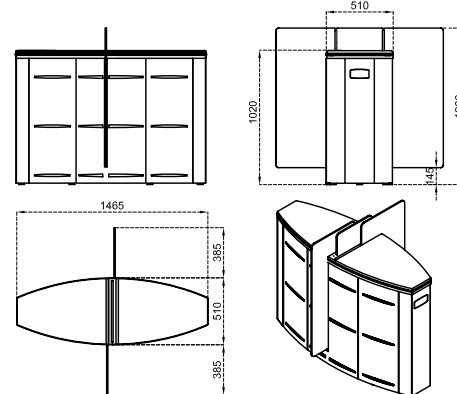

SG 90 S-S
Glass Wing Height: 900 mm

SG 90 S-C
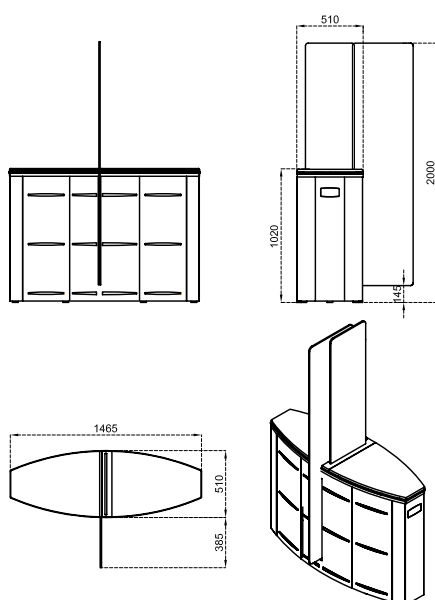Glass Wing Height: 900 mm
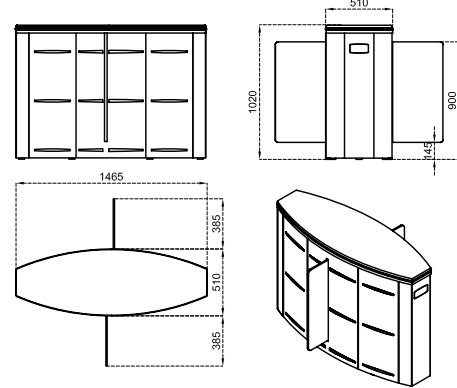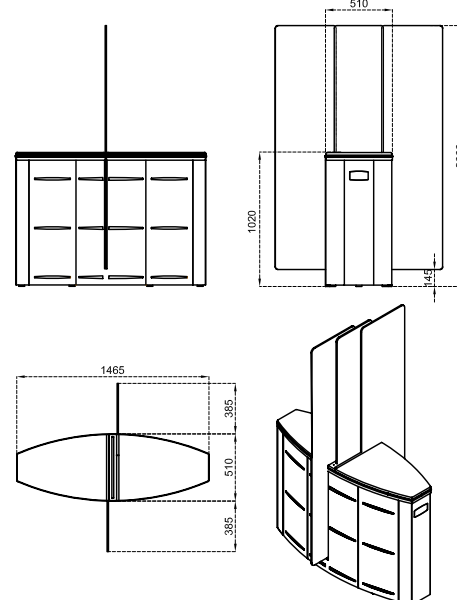

SG 90 M-S
Glass Wing Height: 1200 mm

SG 90 M-C
Glass Wing Height: 1200 mm

SG 90 T-S
Glass Wing Height: 2000 mm

SG 90 T-C
Glass Wing Height: 2000 mm

*Design and specifications are subject to change without notice.