

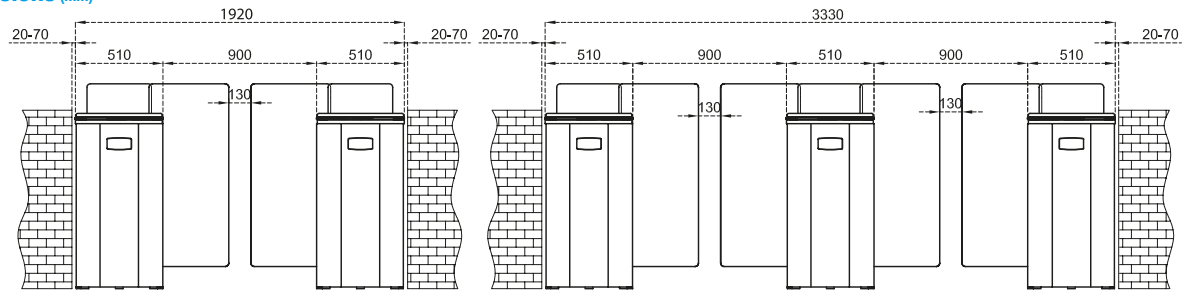
# SG 90 SLIDING GATE



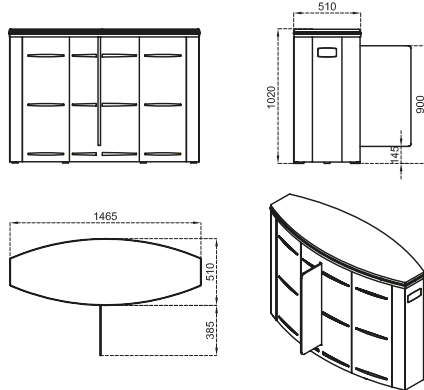
## Technical Features

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                            |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Place of Use</b>                      | Indoors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                            |
| <b>Operating Temperature, Humidity</b>   | -20°C/+68°C (opt. -50°C with heater positive), RH 95% non-condensing.                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            |
| <b>Operating Intensity</b>               | 100%, 7/24 use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                            |
| <b>Material Specifications</b>           | <b>Body</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 304 grade (opt. 316 grade) satine brushed stainless steel.                                                                                 |
|                                          | <b>Top Lid</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10 mm black tempered glass (opt. other materials), choice of top lid hollowed for surface mounted access control device is also available. |
|                                          | <b>Wings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RGB LED illuminated 10 mm tempered glass with 900-1200-2000 mm wing height options.                                                        |
| <b>Indicators</b>                        | <b>Side Status / Direction Indicators</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  DOT MATRIX LED, standard.                              |
|                                          | <b>Passage Indicator</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RGB LED under top lid and wings standard.                                                                                                  |
| <b>Power</b>                             | <b>Operating Voltage</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | : 110/220V AC 50/60 Hz. (±10%), 24V DC.                                                                                                    |
|                                          | <b>Consumption (single)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : 11W at stand-by, max ~50W                                                                                                                |
|                                          | <b>Consumption (center)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : 22W at stand-by, max ~50+50W<br>(varies according to the options and accessories used)                                                   |
| <b>Operating Modes</b>                   | System operates bi-directionally (entry-exit).                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            |
|                                          | Operation modes can be changed through dip switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                            |
|                                          | Entry - exit controlled                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Entry - exit free                                                                                                                          |
| <b>Operating System</b>                  | Entry controlled, exit free                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                            |
|                                          | Exit controlled, entry free                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                            |
|                                          | 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.                                                                                                                                                                                                                                                                                      |                                                                                                                                            |
| <b>Control System</b>                    | 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.                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                            |
|                                          | All functions, parameters and operating modes can be changed through the control board (microprocessor controlled).                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                            |
| <b>Flow Rate</b>                         | All inputs are opto-coupler protected.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                            |
|                                          | Controllable by dry contact (ground control).                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                            |
| <b>Emergency Mode</b>                    | Compatible with all kinds of access control device.                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                            |
|                                          | Optional RS232, RS485 or TCP/IP module is available.                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                            |
| <b>Power-off Situation</b>               | <b>Wing opening / closing time</b> : ~1,3-1,6 sec.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                            |
|                                          | <b>Free passage mode</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | : ~50 pass/min. <b>Nominal</b> : ~25 pass/min.<br>(passage rate can change depending on the access control system utilized)                |
| <b>Weight</b>                            | Wings provide a free passageway by automatically retracting inside the body through internal battery (fail safe).                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                            |
|                                          | 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.                                                                                                                                                                                                                                                                |                                                                                                                                            |
| <b>Optional Features and Accessories</b> | <b>Single</b> : ~190 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            |
|                                          | <b>Center</b> : ~250 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            |
|                                          | 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, bottom plate, battery back-up, 316 grade stainless steel, RS232-RS485-TCP/IP modules, 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.). |                                                                                                                                            |

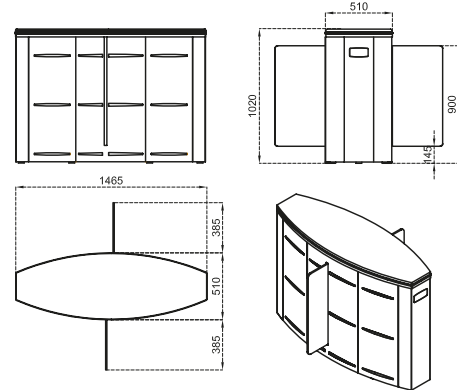
### Dimensions (mm)



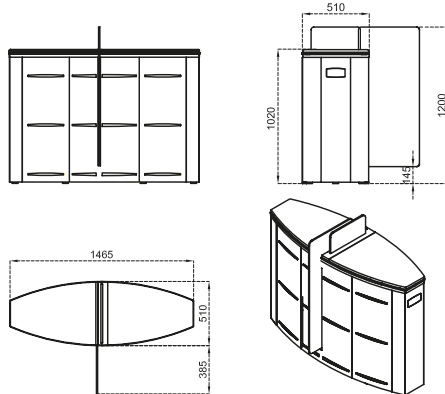
**SG 90 S-S**  
Glass Wing Height: 900 mm



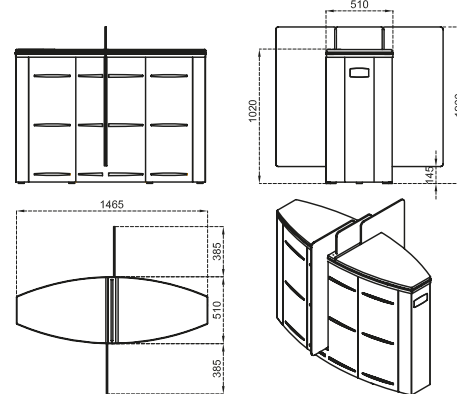
**SG 90 S-C**  
Glass Wing Height: 900 mm



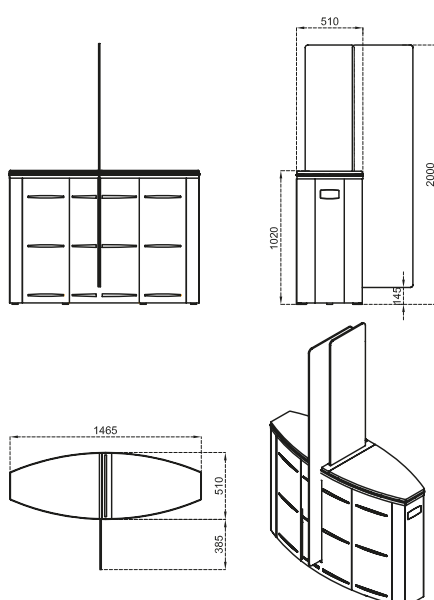
**SG 90 M-S**  
Glass Wing Height: 1200 mm



**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

