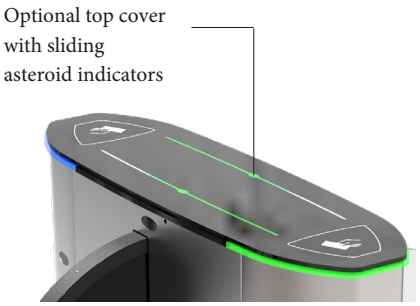
HG 02 DP EU

polimek®
CONTROL AND SECURITY SYSTEMS MANUFACTURER

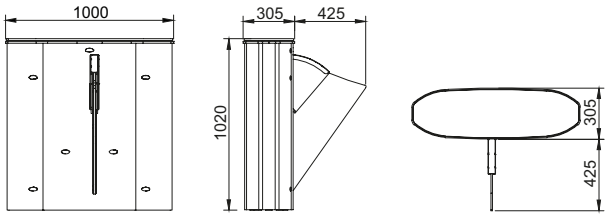


Technical Specifications

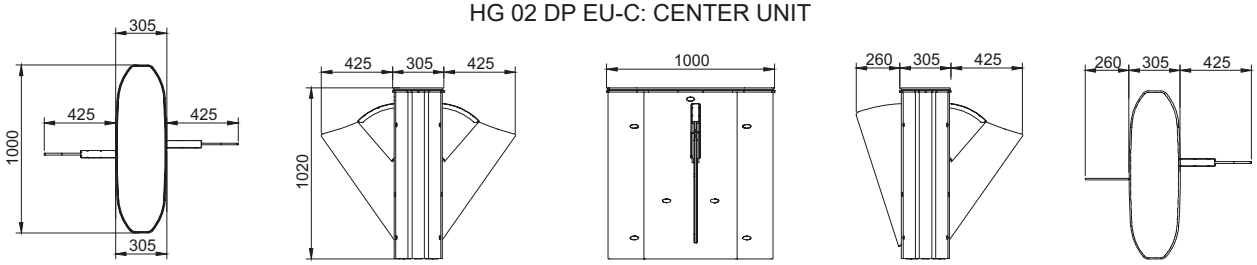
Operating Environment	Indoor Environment
Operating Temperature, Humidity	-20°C/+68°C (optional -50°C with heat boosting), RH 95% non-condensing.
Operating Density	100%, 24/7 operation
Material Properties	**Body**: 304 grade satin sandblasted pattern stainless steel (optional 316 grade) **Top Cover**: Locked 10 mm tempered black tinted glass (optional other materials), with an option for a recessed glass cover for reader mountings on the top cover **Wing**: 10 mm tempered glass with RGB LED lighting
Indicators	Transition/Direction Indicator: RGB LED underwing and under cover as standard, (optional sliding asteroid animated LED indicators on the top cover)
Energy	**Operating Voltage:** 110/220V AC 50/60 Hz. (%±10), 24V DC. **Power Consumption (single):**Standby ~4W. During transition ~80W**Power Consumption (center):** Standby ~8W. During transition ~80+80W
Operating Mode	The system operates in a bi-directional manner. Operating modes can be changed via the dip switch Input - output controlled Input controlled, output free Input - output free Output controlled, input free
Operating System	The system is suitable for wheelchair, suitcase, and trolley passage with a passage corridor width of up to 900 mm. It is an electromechanical motorized system with electronic torque and sensor control, allowing the wing movement to retract into the body for fast transitions. To create a transition corridor, a minimum of two single units must be used. The electromechanical motorized movable wings are closed by default (can be adjusted to open). The system works with any third-party access control system connected to the turnstile, performing the person card reading operation. Once transition approval is granted, the wings open, and the person's passage is monitored by the multiple sensors along the corridor. After the passage is completed, the wings close. In consecutive card readings, the passage of individuals is completed without the wings closing, and the wings close only after the last person has passed. While a person is between the wings, the wings do not move, ensuring no harm to the individual, thanks to the sensors. Additionally, the electronic torque control system remains active during the wing closure. In cases of tailgating or unauthorized passage attempts, the system provides visual and audible alarms. System message codes can be displayed through the built-in diagnostic screen.
Control System	All functions, parameters, and operating modes of the turnstile can be changed through the control board (microprocessor-controlled). All inputs are opto-coupler protected. It can be controlled via dry contact (ground control). It operates in harmony with any type of access control unit. Optionally, functions can be controlled via RS232, RS485, or TCP/IP.
Transition Speed	Wing opening/closing time: ~0.8 seconds Free passage mode: ~60 people/min (Nominal) (The use of different access control systems may alter the nominal passage rate.) ~30 people/min
Emergency Mode	The wings retract into the body to create a free passage corridor (fail-safe). It operates in harmony with fire alarm systems and similar systems. Once the emergency is over, the system returns to normal operating mode.
Power Outage Status	The wings retract into the body using an internal battery, creating a free passage corridor (fail-safe)
Weight	**Single** : ~70 kg **Center** : ~85 kg
Optional Features and Accessories	Wireless remote control (transmitter-receiver), manual control, token slot and bin, single/multiple programmable coin/token slot and bin, reader mounting bracket, heat booster, top cover weight sensor, bottom plate, battery backup, 316 grade stainless steel, RS232-RS485-TCP/IP modules, sliding asteroid animated LED indicators, various external body materials (mirror black, bronze, etc.), motorized card collection unit and card collection bin, etc.

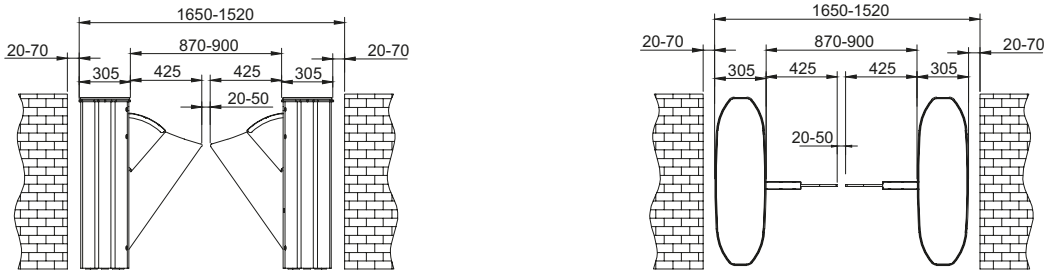
Dimensions (mm)

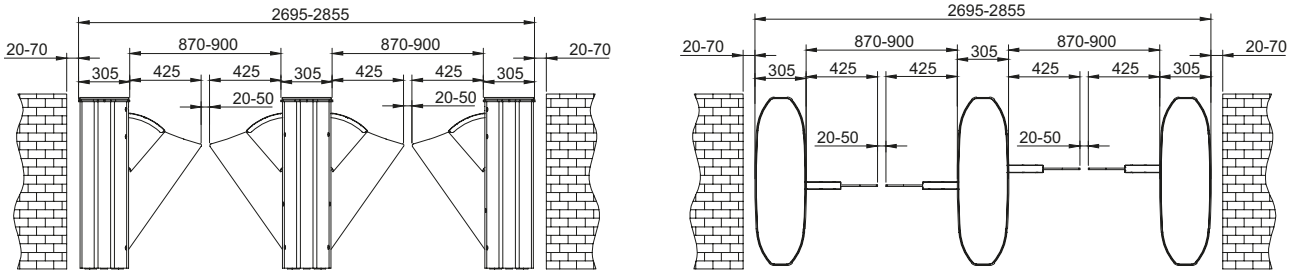
HG 02 DP EU-S: SINGLE UNIT (LEFT OR RIGHT)

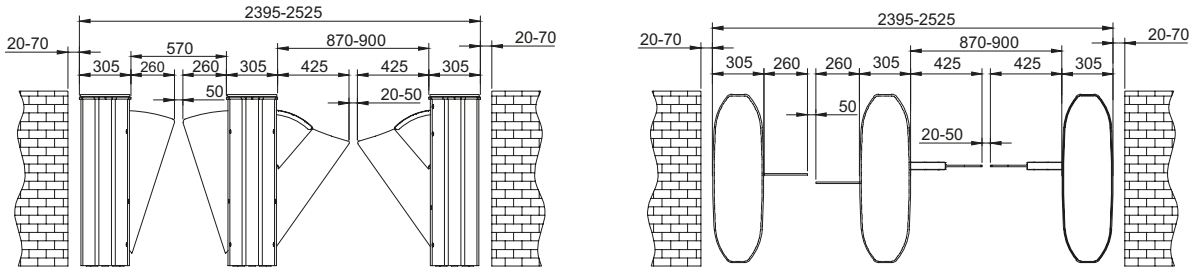


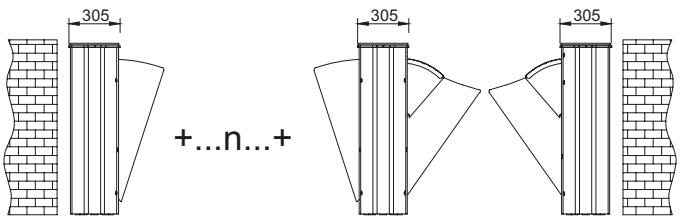
HG 02 DP EU-C: CENTER UNIT











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