INTERIO
**INVISIBLE, BUILT-IN HYDRAULIC GATE CLOSER**

**SPECIFICATIONS**

* The gate closer shall be built-in invisibly in the gate profile ensuring a vandal-proof use.
* The gate closer shall have matching top and bottom hinge sets.
* Optional hinge sets for ground and wall installation shall be available.
* The gate closer shall be 100% mechanical (no electronic components).
* It shall be possible to adjust the closing speed of the gate by simply adjusting a valve with an Allen key, and this in a continuous way to ensure micro-adjustments.
* It shall be possible to activate a final snap (free run) on the gate closer to ensure the latching of the gate.
* It shall be possible to eliminate the final snap (free run) on the gate closer completely in order to have a silent closing (i.e. in combination with magnetic locks).
* The closing speed shall be adjustable.
* The gate closer shall allow for a 180 degrees opening angle of the gate.
* When opened 180 degrees, the gate closer should self-close over the 180 degrees.
* The gate closer shall have a hydraulic dampening mechanism.
* The gate closer shall be designed and manufactured in Europe or in the United States.
* The gate closer shall be ADA, ROSPA and PMR compliant.
* The gate closer shall have double rubber sealings to avoid oil leakage at all times.
* The gate closer shall use rotary seals (vs. linear) seals to ensure the longevity of the closer.
* The gate closer shall be able to close gates up to 150 kilo / 330 lbs and gate width up to 1,5m / 3.937 ft.

**PERFORMANCE**

* The gate closer shall be specifically made for outdoor use.
* The gate closer shall be easy to open with a max force of 20Nm.
* The hydraulic dampening shall be guaranteed to work properly under all temperature circumstances without any summer or winter adjustments, measured at a 90° opening. The viscosity of the oil shall have no impact on the performance of the gate closer.
	+ The closing time shall not be below 10 seconds at 70 degrees Celsius / 185 degrees Fahrenheit (summer).
	+ The closing time shall not be longer than 30 seconds at -30 degrees Celsius / -22 degrees Fahrenheit (winter).
* The closer shall have been tested for 500,000 movements.
* The closer shall be maintenance free (no greasing nor oil refill).
* The manufacturer warranty shall be 3 years.

**INSTALLATION**

* A pre-tension shall be integrated in the gate closer ensuring an efficient installation.
* The closer shall have pre-mounted fasteners (no welding) with stainless steel bolts. All brackets for fixation should come with the product.
* The same gate closer shall be able to be used for both left and right turning gates.
* Depending of the installation, the gate closer shall require a gate stop to be used for limiting the opening angle.
* A 3D-installation explanatory video shall be available for assisting the installer.
* Drilling templates shall be included for assisting the installer.

**MATERIAL**

* The mechanism shall be made out stainless steel and aluminum components.
* The housing of the mechanism shall be made from extruded, powder coated aluminum (no wet painting or anodization). The powder coating shall be according to the Qualicoat standards.
* The gate closer shall have a corrosion resistance of 500h salt spray according to ISO9227.
* The gate closer shall be fully weather- and dustproof.
* The gate closer shall have a UV-resistance against discoloration of 500h.