



**d<sup>i</sup>Flow**

*JUST GO.*

A **NEW CONCEPT** IN  
ACCESS CONTROL GATES.

**digicon**

# d'Flow

*JUST GO.*

Digicon introduces the **FREE FLOW** concept for access control gates.

Gates with normally closed doors are behind the times. Forget having to wait for each user to pass before the next can be validated.

Actually, forget everything you know about gates.





Digicon introduces a new vision for access control gates – one with continuous flows and normally open doors.

dFlow is **FREE FLOW**, ushering new levels of comfort and security. Instead of obstructing users, these are instead welcomed with a fully open passageway and a distinctive system of visual identification. In the event access is not granted, the gate doors will close in proportion to the proximity and speed of the non-authorized user. All this thanks to a revolutionary imaging system, which monitors the entire gate instead of a limited number of specific sectors.





## What is a FREE FLOW gate?

Its a whole new concept. Look at the dFlow passage area in the photo below.

The doors are normally open. Traditional gates have their doors normally closed. It is this new paradigm that differentiates a **FREE FLOW** gate from all those available until now.

dFlow is the first gate that fits perfectly within the **FREE FLOW** concept.

Although it seems that dFlow is always open, it actually does have doors. These are activated only when one or more unauthorized users, including tailgaters and piggy backers, try to pass through the gate.

The closing mechanism is fast and accurate. A modern imaging system feeds data to sophisticated algorithms that control the acceleration and position of the barriers based on the location, speed and direction of movement of unauthorized users.

Traversing the gate becomes a more pleasant and faster experience for authorized users while increasing gate security to unprecedented levels.



Watch the video:  
[www.dflow.com.br/concept](http://www.dflow.com.br/concept)







## Distinctive User Windows

Colors visually identify user groups



Watch the video:  
[www.dflow.com.br/lights](http://www.dflow.com.br/lights)

Indicative LED "windows" follow the user through the gate with different colors for different user groups. For example, in a school application students can be followed by a green window, educators by a yellow window and authorized family members by a blue window. A red "window" can follow unauthorized users. The flexibility of dFlow allows for other user groups to be identified by a wide range of colors. The result is more comfort for the user and more security and information for the access control system.

## FREE FLOW

### Flexible access with normally open doors

dFlow is not just an evolutionary product. It represents a whole new category in access control gates. The technology developed by Digicon is able to detect with high levels of accuracy one or more users moving in any direction within the passage area. This precision allows authorized users to encounter open doors that will only close when one or more unauthorized users are detected. The experience is pleasant and safe while economical in energy usage.

## Closing Doors

### Only when necessary

The dFlow gate is sophisticated and full of new technologies. The doors are fast moving swing gates. Advanced algorithms allow them to close at a velocity proportional to the speed, position and direction of one or more unauthorized users in the passage area. The doors open again as the unauthorized users move back and away from swing gates.



Watch the video:  
[www.dflow.com.br/doors](http://www.dflow.com.br/doors)



Watch the video:  
[www.dflow.com.br/free](http://www.dflow.com.br/free)



## Innovative Imaging System

### Hardware and software ensuring safety

The dFlow imaging system is equivalent to an almost infinite number of traditional IR sensors, bringing a new level of precision in the identification of unauthorized users. The algorithms developed by Digicon are able to accurately identify people and ignore objects such as bags, hats, caps, backpacks, cell phones and others. They can also identify and track multiple users entering or leaving the passage area. The result is very reliable identification of tailgate and/or piggyback attempts. The imaging system can detect unauthorized users in front, behind or even side-by-side of authorized users.

## Designed by Alexander Neumeister

Alexander Neumeister is a German industrial designer who has always been at the forefront of new technologies. Focused on markets as diverse as electronics, medical instruments and trains for rail and subways systems, he has developed projects for industry leaders such as Thyssen Henschel, Hitachi, Siemens or Giesecke Devrient. He has been working closely with Digicon product managers and engineers for over 10 years, designing successful products for banking automation, urban mobility and access control. [www.alexander-neumeister.com](http://www.alexander-neumeister.com)



Watch the video:  
[www.dflow.com.br/sensors](http://www.dflow.com.br/sensors)



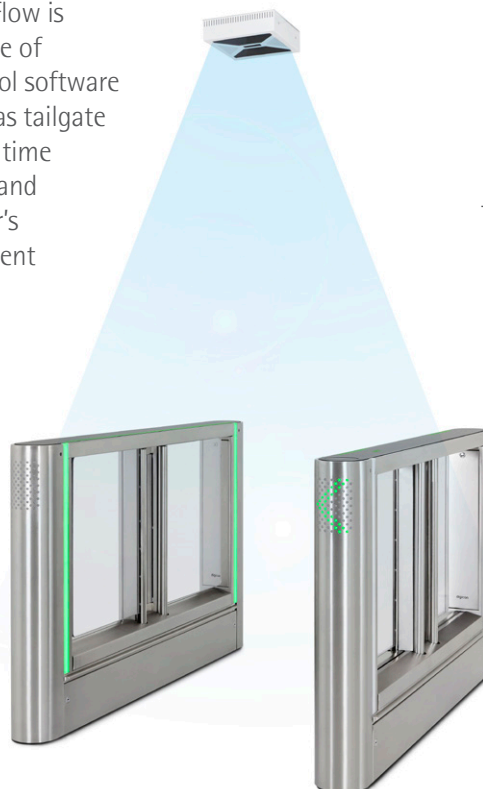
## First Gate Ready for Unicity

### Unique access credentials for each user

Uniqueness in access control is the ability to identify each user and associate a non-transferable credential with it. dFlow is the first gate in the world capable of individualizing users in the control software even in extreme situations such as tailgate and side-by-side passage. At the time of access validation, the sensors and algorithms identify the valid user's position and follow their movement throughout the passage area.



Watch the video:  
[www.dflow.com.br/unicity](http://www.dflow.com.br/unicity)



## Monitoring

The dFlow monitoring software allows you to view everything that goes on in the passage area in real time and remotely. It also allows you to control the flow, to identify security events, and to issue complete access control reports. The application displays a visual simulation of what the sensors are tracking, assisting supervisors in identifying fraud attempts.



## Identification Technologies

### Agility and precision in access authorization

dFlow accepts traditional identification technologies, such as bar code, RFID, MIFARE and fingerprint biometry. The integration with these technologies follows normal patterns used in traditional gates and turnstiles. dFlow is also ready for the new biometric contactless technologies that are emerging: facial or iris recognition and "finger on the fly". These new concepts provide even more speed and a fully contactless experience for the user, which are perfectly aligned to the new **FREE FLOW** paradigm.



Watch the video:  
[www.dflow.com.br/tech](http://www.dflow.com.br/tech)



## Bidirectional Flow

### Comfort and space optimization

dFlow can be configured for unidirectional or bidirectional access in widths ranging from 500mm up to over 914mm. By precisely identifying unauthorized users, dFlow technology permits a 914 mm (36") gate to be used by ordinary and special needs users with the same or better effectiveness than traditional 560 mm (22") or 711 mm (28") gate. The use of dFlow in larger widths allows for a more pleasant user experience and provides comfortable, simultaneous bidirectional passage, resulting in a reduction in the number of gates needed in a project. The flexibility for customization increases project options, while reducing costs and space used.



Watch the video:  
[www.dflow.com.br/flow](http://www.dflow.com.br/flow)





## Always in motion

Digicon exists to facilitate the movement of people. With technological excellence and vertically integrated production and engineering processes, we develop solutions for transit, public transportation, parking, access control, time and attendance and aerospace components.

Innovating with quality. Solving complex challenges and gaining people's trust. This moves the world. This moves our world.

## Global Presence

Since its foundation in 1977, Digicon has been developing products that are benchmarks in their segments in Brazil and worldwide. With equipment in over 40 countries, the Digicon Group is recognized for the quality and reliability of its solutions.

HEADQUARTERS: Rua Nissin Castiel, 640  
94045-420 • Gravataí • RS • Brazil  
Phone: +55 (51) 3489.8793  
OFFICE: Rua São Paulo, 82 • Alphaville  
06465-130 • Barueri • SP • Brazil  
e-mail: sales@digicon.com.br  
www.digicon.com.br



digicon.com.br

**digicon**  
*Always in motion.*



DIGICON reserves the right to modify without notice the characteristics of these equipments.

+DI.072.02-Mar/17