



**UNIVERSAL
DIFFUSER
SYSTEM**

**IPERFLOW IS AN
INNOVATIVE,
PATENTED SYSTEM
THAT REDEFINES
DUCTING IN KITCHEN
HOODS.**



**THE DIFFUSER SYSTEM IS DESIGNED FOR
ALL TYPES OF HOODS, FROM DOWNDRAFT
EXTRACTORS TO CEILING-MOUNTED HOODS.**

The IPERFLOW system delivers:

- **Up to 30% higher airflow** compared to 220×55 mm / 218×55 mm ducting
- **Up to 9 dBA noise reduction**

For hobs with an integrated hood, the **60 mm** grille has been designed for quick installation at the kitchen's low plinth.

For ceiling-mounted hoods, the 60 mm grille easily attaches to plasterboard, and its satin finish ensures both aesthetic appeal and system functionality.



It is a brand of iTube, an Italian company specialised in the development and production of ducting solutions and extraction systems for the kitchen sector.

PERFORMANCE OPTIMISATION. DESIGN FREEDOM.

In modern kitchens, the limitation is not technology, it's space.

Traditional ducting forces a choice between performance and compactness.

IPERFLOW eliminates this compromise, delivering the performance of the 220x90 mm series in a profile of just **55 mm**, compatible with **plinths $H \geq 60$ mm**.

The **winged structure** optimises airflow, helping to reduce pressure losses and noise.

The system:

- Features two grille versions, **60 mm** and **100 mm**, available in various colours and paintable;
- It fits all hood models;
- Easily attaches to **suspended ceilings, plinths and kitchen wall units**.



plinth
 $H \geq 60$ mm



plinth
 $H \geq 100$ mm

IPERFLOW: THE PATENTED iTUBE SOLUTION.

Designed with optimised fluid dynamics, IPERFLOW:

Increases airflow by **+30%** compared to the 220×55 mm and 218×55 mm series

Reduces noise by up to **-9 dBA** at the same airflow

Maintains energy efficiency in accordance with **EN/IEC 61591**

Fits all configurations: **induction hobs with integrated hood and ceiling-mounted hoods**



TESTED PERFORMANCE, MEASURABLE RESULTS.

Tests by an accredited laboratory confirm the effectiveness of the IPERFLOW diffuser system compared to standard ducts.

KEY RESULTS:

- Up to **+30%** increase in airflow in max mode compared to the 220x55 mm series
- Up to **-9 dBA** noise reduction at the same airflow compared to installation without a diffuser

Technical notes:

Tests were carried out with a commercial downdraft extractor at **650 m³/h @ 69 dBA**, in accordance with **EN/IEC 61591**, using equivalent 220x55 mm and 220x90 mm ducting as reference.



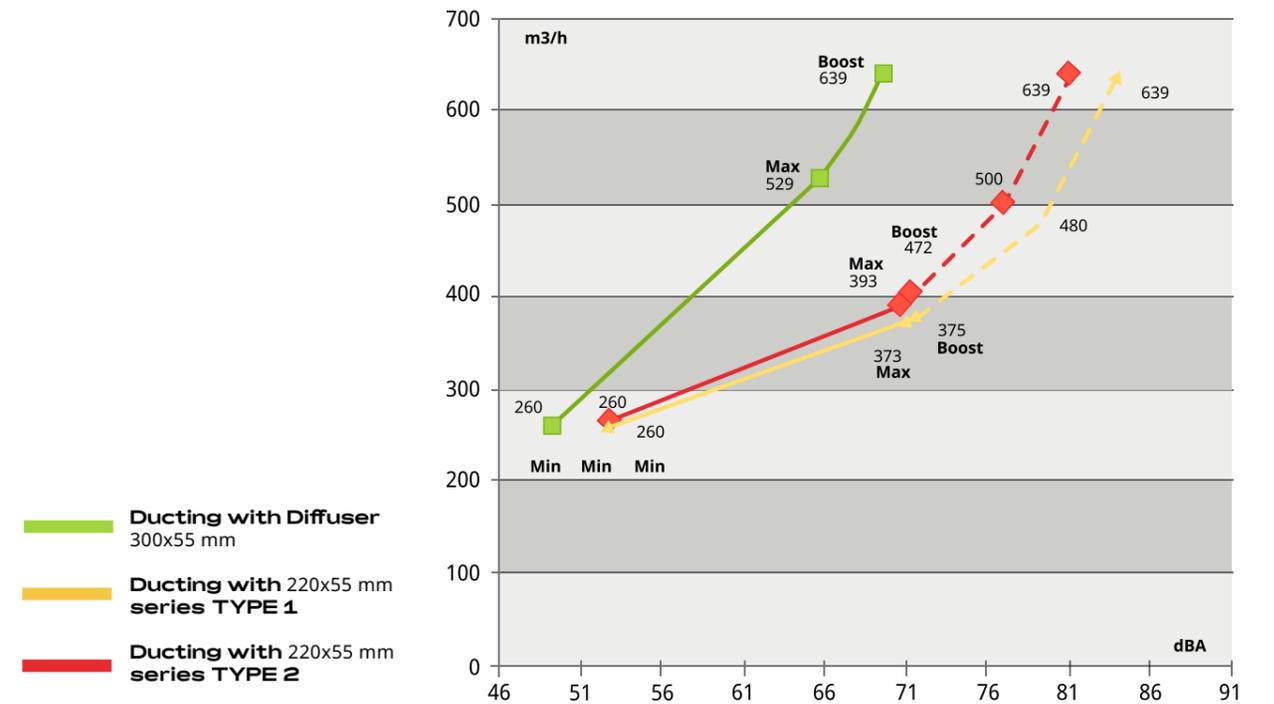
Ducting with Diffuser
300x55 mm



Ducting with Series TYPE 1
220x55 mm



Ducting with Series TYPE 2
220x55 mm



A COMPLETE SYSTEM, READY FOR ANY CONFIGURATION.

The heart of the IPERFLOW system is the **300×55 mm diffuser**, designed to optimise airflow and deliver high performance even in compact spaces.

The system is available in a **self-extinguishing version**, which complies with regulations for household appliances (CEI EN 60335-1, CEI EN 60335-2-31) and UL94-V0. It can be supplied in **customisable kits**, allowing selection of the number of components, duct lengths and packaging type, to suit all installation configurations.

MAIN COMPONENTS

The four key elements of IPERFLOW are designed for seamless integration, maximum durability and easy maintenance.

Diffuser 300x55 mm

- Compact profile with telescopic connection
- Reduces pressure losses
- Fluid-dynamically optimised to minimise noise



Filter flange

- Set up for high-efficiency odour filters



Duct 300x55 mm

- Non-standard profile for telescopic system adjustment.



Outlet grilles (plinth or plasterboard)

- Two variants: H 100 mm and H 60 mm
- Satin finish, easy to clean, easy IN-OUT system
- Fins oriented to ensure correct airflow
- Simplified installation: for plinths H 100 and H 60 mm, only a side cut is required; the plinth is then inserted between the diffuser and grille. In all other cases, a slot can be created.



Application 1 Hobs with integrated hood

The diffuser system is compatible with all hobs with an integrated hood. We offer a dedicated consultancy service to support hob and kitchen manufacturers, as well as home appliance retailers, in selecting the most suitable kit.

- **Compatible with all kitchen units, for plinth heights starting from 60 mm**
- **Quick installation, with no pressure loss**
- **Maximises internal space in the base unit**

The system is available in different configurations depending on the plinth height:

- **60 mm grille**
- **100 mm grille**

1. For plinths H 60 mm FRONT OUTLET



Example of ducting for a hob with an integrated hood and a 60 mm plinth. This configuration is also compatible with taller plinths by creating a simple finishing slot in the plinth itself.

UNIVERSAL INTEGRATION, ZERO DESIGN CONSTRAINTS.

IPERFLOW is designed to adapt to the most common extraction systems, simplifying design and installation.

Some ducting examples:

1. For H 60 mm plinths with FRONT OUTLET ducting
2. For H 100 mm plinths with FRONT OUTLET ducting
3. For H 100 mm plinths with SIDE OUTLET ducting

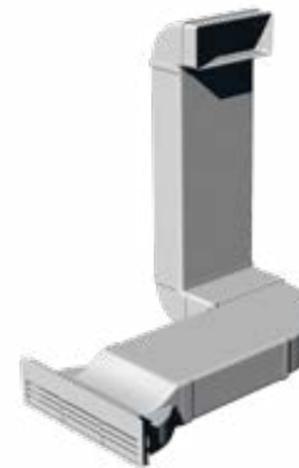
| COMPOSITION |
|---|
| 90° vertical bend 220x90 mm |
| 220x90 mm duct (customisable length) |
| 90° vertical bend 220x90 mm |
| Diffuser (transition from 220x90 mm to 300x55 mm) |
| 300x55 mm duct (customisable length) |
| Filter flange |
| Plinth outlet grille |

2. For plinths H 100 mm FRONT OUTLET



Example of ducting for a hob with an integrated hood and a 100 mm plinth.

3. For plinths H 100 mm SIDE OUTLET



Example of ducting for a hob with an integrated hood and a 100 mm plinth, with side outlet, commonly used in island kitchens.

COMPOSITION

| |
|---|
| 220x90 mm duct stub (customisable length) |
| 90° vertical bend 220x90 mm |
| 220x90 mm duct (customisable length) |
| 90° vertical bend 220x90 mm |
| 220x90 mm duct (customisable length) |
| 220x90 mm joint |
| Diffuser (transition from 220x90 mm to 300x55 mm) |
| Grille |

COMPOSITION

| |
|---|
| 220x90 mm duct stub (customisable length) |
| 90° vertical bend 220x90 mm |
| 220x90 mm duct (customisable length) |
| 90° vertical bend 220x90 mm |
| 220x90 mm duct (customisable length) |
| 220x90 mm horizontal bend |
| 220x90 mm duct (customisable length) |
| 220x90 mm joint |
| Diffuser (transition from 220x90 mm to 300x55 mm) |
| Grille |

Application 2 Ceiling-Mounted Hoods

- Installation in suspended ceilings with a minimum usable height of 60 mm
- Ensures airflow, quiet operation and easy maintenance
- Components available in a self-extinguishing version
- Paintable white grille

1. Ceiling-Mounted motor outlet Ø 150 mm FRONT OUTLET



Example of ducting for a ceiling-mounted hood with passage through the plasterboard. The motor outlet has a diameter of 150 mm, and the only visible external element is the 60 mm 300x55 grille in white. This configuration features a front outlet, achieved by offsetting it relative to the cooking zones.

Some examples of ducting configurations for ceiling-mounted hoods:

1. Ceiling-mounted motor outlet Ø 150 mm FRONT OUTLET
2. Ceiling-mounted motor outlet Ø 220x90 mm SIDE OUTLET
3. Ceiling-mounted for low suspended ceilings SIDE OUTLET

COMPOSITION

Horizontal round-to-rectangular transition joint Ø150 mm to 220x90 mm

220x90 mm duct (customisable length)

Horizontal curve 220x90 mm

220x90 mm duct (customisable length)

220x90 mm joint

Diffuser (transition from 220x90 mm to 300x55 mm)

Filter flange

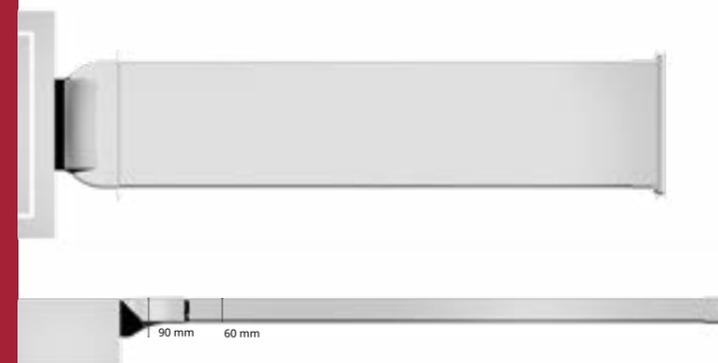
Grille

2. Ceiling-Mounted motor 220x90 mm SIDE OUTLET



Example of ducting for a ceiling-mounted hood with passage through the plasterboard. The motor outlet has a diameter of 150 mm, and the only visible external element is the 60 mm 300x55 grille in white.

3. Ceiling-Mounted motor for low suspended ceilings SIDE OUTLET



Where ceiling heights are limited and deep suspended ceilings cannot be created, the 300x55 mm duct can be used. The system has a maximum overall depth of 90 mm near the motor and diffuser, reducing to 60 mm along the rest of the duct run.

COMPOSITION

220x90 mm rectangular joint

220x90 mm duct (length to be defined)

220x90 mm rectangular joint

Diffuser (transition from 220x90 mm to 300x55 mm)

Filter flange

Grille

COMPOSITION

220x90 mm rectangular joint

Diffuser (transition from 220x90 mm to 300x55 mm)

300x55 duct (customisable length)

Filter flange

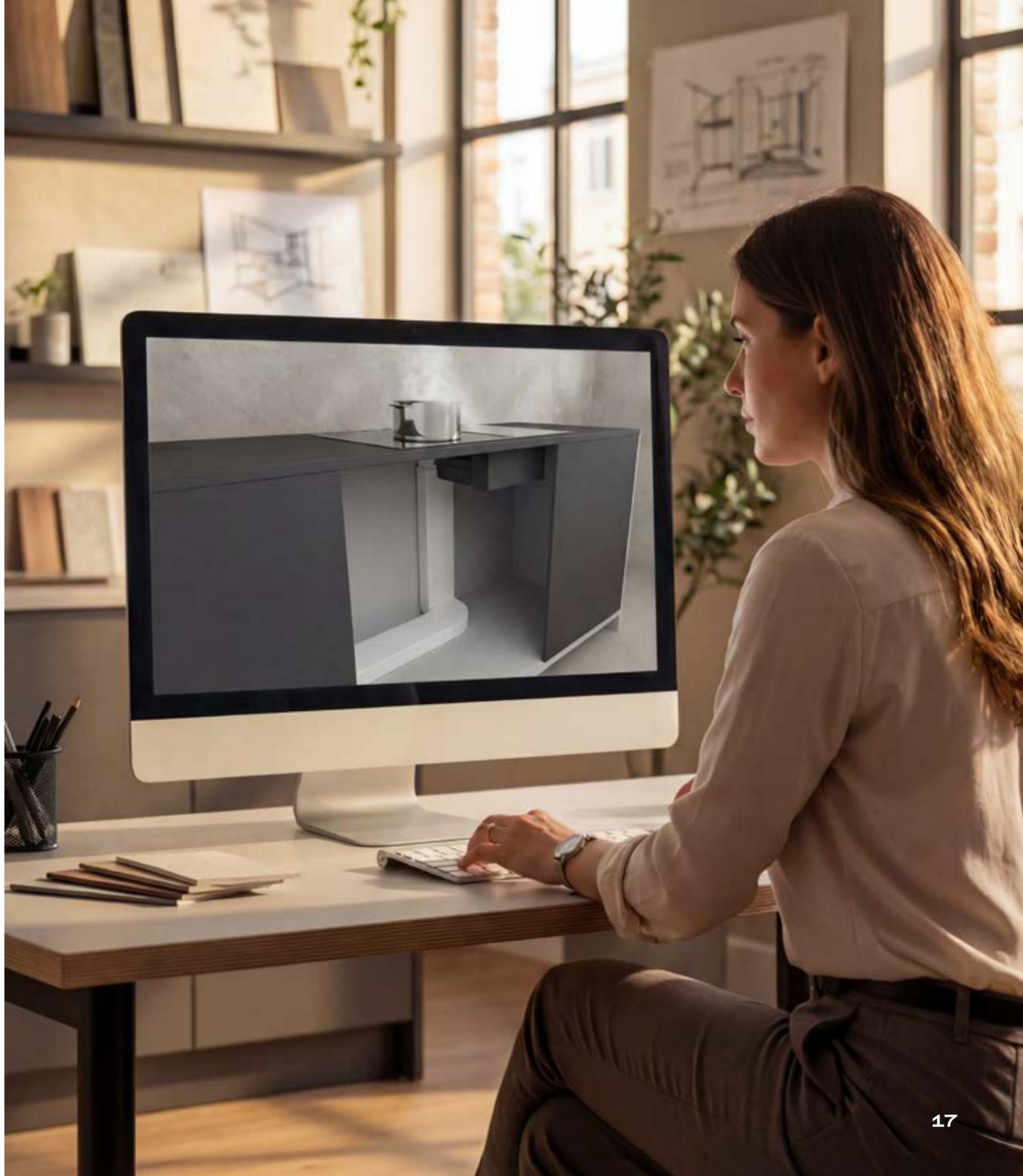
Grille

ADVANTAGES FOR PROFESSIONALS.

Pre-configured kits (based on motor outlet - Ø150 mm, 220×90 mm, 222×89 mm), ready for installation

Technical support for selecting fittings and defining duct lengths

Customisable labelling and packaging



**REQUEST
YOUR CUSTOMISED
TECHNICAL
CONSULTANCY**
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**More efficiency,
fewer compromises.**

IPERFLOW is where engineering meets design: a patented system that delivers maximum performance in minimal space.

Reliable. High-performing. Universal.



Scopri il catalogo





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