



# CLIMATE OFFICE

BIOPHILIC DESIGN FOR INTERIOR SPACES

[BYNATURE]  
*Enjoy. Breathe. Feel good.*





# BIOPHILIC DESIGN

## BRINGING PEOPLE AND NATURE TOGETHER

People feel their best when they are in nature - it strengthens their health, relieves stress, and raises their well-being.

### Urban life and work

In the modern world, we spend most of our day living and working in urban environments, instead of being outside in nature. It is possible to bring the positive effects of natural elements into a manufactured environment by applying the principles of biophilic design:

natural principles and analogies to nature can be used to create functional and attractive buildings that affect people positively by bringing them closer to nature.

### Biophilia—love of the living

As early as 1964, social psychologists were working on the concept of “biophilia”—the love of life or to that which is living. Later on, the concept was taken up by biologist Edward Wilson.

Wilson posed the hypothesis that people have a genetically determined need to be in harmony with nature. The biophilia hypothesis later served as inspiration for the concept of “biophilic design”: bringing people close to nature in their manufactured environment.





### **Climate Office - a solution based on biophilic design principles**

With its "Climate Office", C+P has used the principles of biophilic design to develop integrated and sustainable furniture solutions for air purification, interior greening, climate, and acoustics. The key aims here are to:

- optimize the interior climate
- increase human comfort

### **Increasing comfort and motivation in the workplace**

The future-proof products, made from the resource-efficient material steel, combined with plants and water create the perfect sense of well-being in interior spaces. Biophilic design principles can significantly improve motivation and reduce sick leave.

#### **Advantages:**

- ✓ Healthy humidity
- ✓ Improved cognitive abilities
- ✓ Purified air





# SIDEBOARD PLANTERS AND PLANT CUBES

## ADD GREENERY AND IMPROVE ACOUSTICS

### Product information:

- All visible parts made of durable sheet metal
- Body solid-metal, optionally with acoustically effective microperforations
- Height of plant cubes: 740 and 1310 mm
- Height of sideboard planters: 180 and 250 mm
- **All models supplied without plants**, ready for customer to add plants
- Includes plant insert made of plastic, black
- For information on adding plants and accessories for hydroculture planting, please contact your local specialist garden centre
- Color: RAL 9016 Traffic white, top covers solid metal in RAL 7021 Black gray, for other colors see page 18

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Planters optionally with acoustically effective microperforations

+

Our planters can also match your own individual color scheme!



### Sideboardaufsätze, rechteckig

Korpus aus Vollblech,  
Innenmaße Pflanzeinsatz: 150/220 x 763/963 x 363 (HxBxT)



More information on adding plants?  
Ask for our price list.



## C+P CAN RECOMMEND SUITABLE SERVICE PARTNERS



For planting and accessories, we can recommend a suitable C+P service partner.

Please contact us for more information!  
Simply phone us on +49 6465 919-810 or send us an e-mail at [objektvertrieb@cp.de](mailto:objektvertrieb@cp.de).



### **Mobile plant cube, rectangular**

Stable frame structure, base with steel panel and top solid-metal cover, four sturdy concealed casters, interior dimensions, plant insert: roughly 235 x 730/930/1130 x 330 (H x W x D)

Body depth 400



### **Plant cube, square**

Body solid-metal, interior dimensions, plant insert: roughly 235 x 330 x 330 (H x W x D)

Body depth 400



## MOBILE HEDGE ELEMENTS PARTITION FOR GREENING AND ACOUSTIC IMPROVEMENT

### Product information:

- Sturdy galvanized steel frame, plant insert made of recycled material
- Base blanking panel and top insert panel made from zinc-plated solid metal
- Optionally with acoustic filling (absorber made from environmentally friendly recycling material)
- Height of plant tray 400 or 740 mm
- Includes plant insert made of plastic with hydroculture system, black
- With four sturdy concealed casters, lockable, (height 2320 mm on four stable feet)
- Planted with Philodendron scandens—depending on the size, you will have a leaf surface of up to 5 m<sup>2</sup>

### Advantages:

- ✓ Visual shielding provides privacy
- ✓ Cleans the air and creates a healthy room climate
- ✓ Helps to improve acoustics



### Mobile hedge elements with low base

Base with steel panel and top solid-metal cover on four sturdy concealed casters for optimum mobility

\* On four sturdy adjustable feet, incl. assembly kit for ceiling mounting for ceiling heights of max. 4 m.





## PSYCHOACOUSTICS AND COGNITIVE ERGONOMICS IN THE OPEN-PLAN OFFICE

With open-plan offices being designed more flexibly, issues such as the acoustics of the room and privacy are becoming increasingly important.

To give the users of open office spaces optimized working conditions while promoting their health and work efficiency, we have worked on solutions for various room situations. For example in a large project area on our own premises, where we used greening and water elements.

C + P is a partner in the Büro-Initiative [Office Initiative], which originated in collaboration with the Fraunhofer Institute for Building Physics IBP and focuses on developing healthy, efficiency-enhancing office spaces.

As part of this collaboration, C+P hedge elements underwent numerous measurements and their shielding properties were confirmed.



Both sides planted with Philodendron scandens



Plant insert with hydroculture system, stable frame functions as trellis



Acoustically effective microperforations, optionally with sound absorbing filling



### Mobile hedge elements with tall base

Base with steel panel and top solid-metal cover on four sturdy concealed casters for optimum mobility

\* On four sturdy adjustable feet, incl. assembly kit for ceiling mounting for ceiling heights of max. 4 m.



# GREEN WALLS

MOBILE OR WALL-MOUNTED - FOR CUSTOMIZED PLANTING



### Mobile green walls for double-sided planting

Low base (400 mm) with steel panel, on four sturdy concealed casters for optimum mobility



### Wall-mounted green walls for one-sided planting

Low base (400 mm) with steel panel, stationary for customer to mount on wall

\* On four sturdy adjustable feet, incl. assembly kit for ceiling mounting for ceiling heights of max. 4 m.

\*\* Mixed planting, plants may vary depending on season.





Our CLIMATE OFFICE solutions are diverse and can be adjusted to suit your needs.

On request we can supply our green walls with individual measures, for example for installation in the think tank or behind a counter.

#### Product information:

- Durable stainless steel design
- Stainless steel water tray with water level indicator
- Integrated low-noise water pump
- 230 V connection, incl. 3 m supply cable
- Patented multi-level system for holding plant pots
- Suitable for standard plant pots
- Our plants are supplied in a practical hydroponic culture
- Fitted with four sturdy concealed casters, lockable (height 2320 mm on four sturdy adjustable feet)



Patented multi-level system for holding plant pots and irrigation



Can be fitted with your choice of individual plant pots



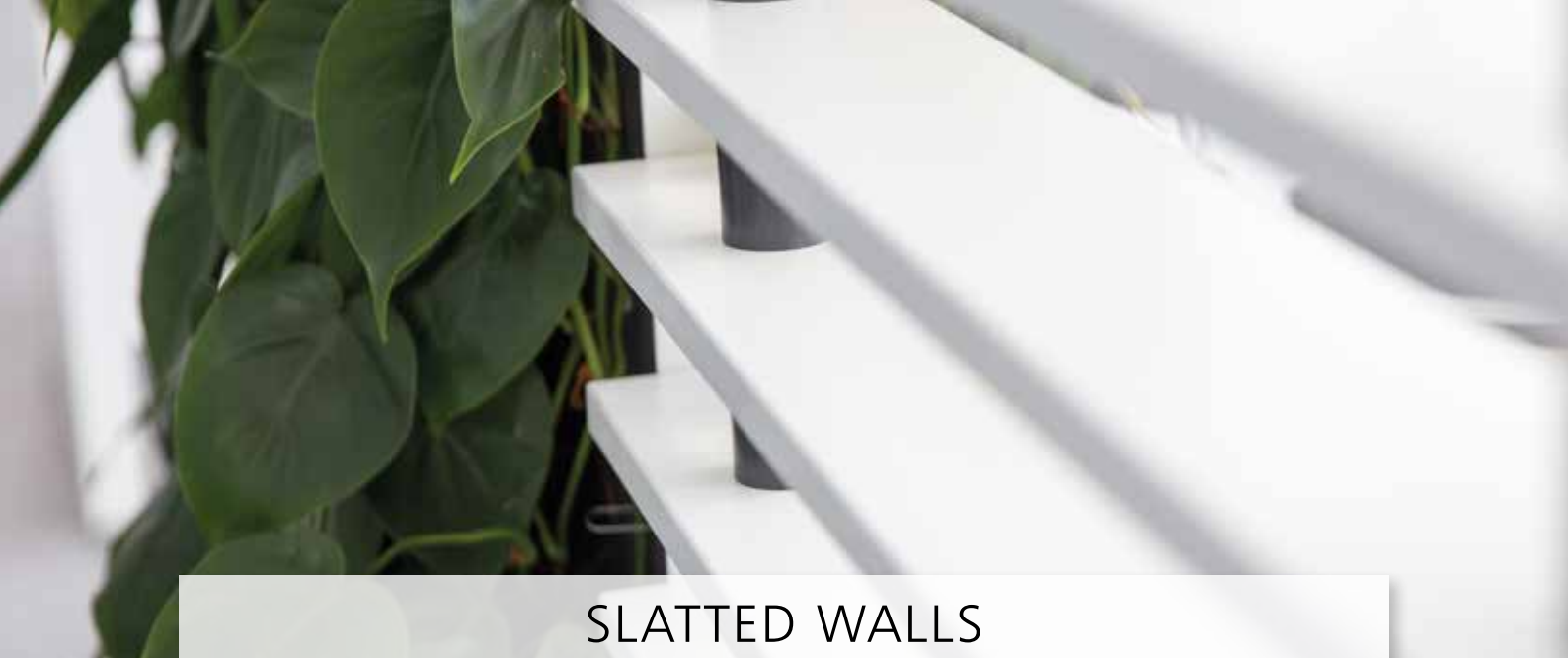
Concealed routing of irrigation system



#### Advantages:

- ✓ Greater freedom for customized design
- ✓ Can be integrated into a great variety of rooms
- ✓ Integrated irrigation system for plants

All green walls delivered in accordance with service strategy, page 16/17 within Germany.



# SLATTED WALLS

## THE PERFECT ADDITION FOR PARTITIONING ROOMS

**Product information:**

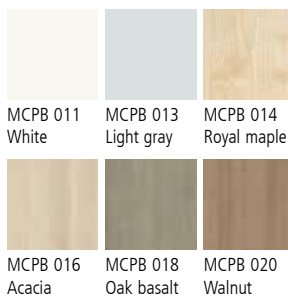
- Slats made of coated particle board (MCPB)
- Available in various colors to match color concept (see below)
- Frame made of stable powder-coated round aluminum tube, available in three standard colors to match color concept (see below)
- Stable powder-coated foot, 100 x 400 x 13 mm (WxLxH) for steady positioning, color same as frame

**Advantages:**

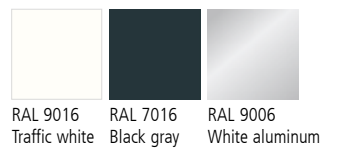
- ✓ Enjoy privacy without feeling “shut in”
- ✓ Can be combined with any other Climate Office elements
- ✓ Add contrast with a variety of colors



**DECORS, MCPB 19 mm**



**FRAME**









## MOBILE WATER WALLS

### AIR CLEANING AND AIR CONDITIONING

#### Product information:

- Durable stainless steel design
- Stainless steel water tray with water level indicator
- Stainless steel base cover for collecting water splashes
- Integrated low-noise water pump incl. water filter
- 230 V connection, incl. supply cable (roughly 3 m)
- Base with steel panel
- Double-sided glass water wall
- Stable frame with glass pane made of TSG glass 6 mm thick
- Four sturdy concealed casters for optimum mobility (Height: 2,320 mm on four durable adjustable feet)

#### Advantages:

- ✓ Cleans the air
- ✓ Creates a healthy room climate
- ✓ Flexible partition solution



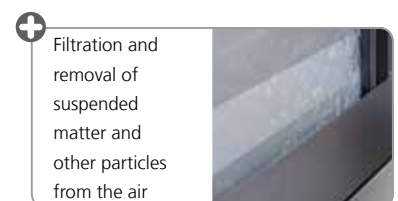
#### Mobile water walls

Base with steel panel, top cover and double-sided glass water wall, on four sturdy concealed casters for optimum mobility

\* On four sturdy adjustable feet, incl. assembly kit for ceiling mounting for ceiling heights of max. 4 m.



Thin film of water flows over vertical glass wall



Filtration and removal of suspended matter and other particles from the air



## ACCESSORIES FOR OPERATING C+P WATER WALLS

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### C+P watering trolley with two levels

A watering trolley is suitable for the simple filling of C+P water walls

Dimensions: 500 x 891 x 820 mm (W x H x D)

Stable square steel tube, color Black gray RAL 7021, mobile on four low-friction rubber rollers, rear rollers lockable, incl. 2x 60-liter canister with drain tap.

Drain tap at filling height compatible with C+P water walls, lower level suitable for holding C+P service kit.



### C+P service kit

The service kit contains all tools needed for the maintenance of a C + P water wall.

- Cleaning brush (75 mm)
- Immersion pump Sn909-230V
- 2 m PVC hose (internal diameter = 14 mm)
- Gas torch Tokyo unilite G16 (empty/unfilled!)
- Pyrosil gas cartridge 50 ml
- Squeegee 40 cm long
- Glass scraper
- Microfiber cloth (40x40cm)
- C+P magnet
- 1 pair protective gloves (DIN 374)
- Dosage dispenser for hydrogen peroxide
- Safety goggles
- Operating manual, water wall
- Cleaning instructions



### Complete demineralization cartridge

The complete demineralization cartridge is used for water treatment, incl. reinforced hoses, drain tap, and conductivity meter, cartridges can be re-used.

58100-742 for approx. 2800 l water

58100-743 for approx. 5000 l water

\* Incl. delivery and installation by manufacturer. For the installation, a water tap must be available on site with a 3/4-inch external diameter.



## CUSTOMIZED C+P GREEN WALLS IMPLEMENTING CUSTOMER PROJECTS

Are you looking for customized wall greenery?

No problem—simply get in touch! We can design customized green walls that perfectly match you wants and needs. Take inspiration from previous customer projects that we have implemented.

### ^ GÜNTHER Heißkanaltechnik

The green wall is a real eye-catcher in the light and airy administration building. The experience of nature in the interior is further strengthened by the view directly into the garden.



### ^ Roth Energie

Instantly feel at home—the bright reception counter combined with customized green walls is especially inviting. Perfectly integrated into the green wall, the screen behind the counter also grabs your attention.

### Sparkasse Biedenkopf >>

Nature in a manufactured environment—the plants fit in perfectly with the modern spatial concept. Shapes, colors, and interior form a complete design unit and give the room individuality.



# COLOR OVERVIEW

A touch of color—you can choose from a range of colors and decors to make your Climate Office elements blend in with your rooms harmoniously.

Is there a specific color scheme you are looking for? On request, other colors from our C+P color concept can be implemented.

## Standard colors, Climate Office elements

Please specify your color combination when placing an order



□ RAL 9016, Traffic white  
Covers RAL 7021 Black gray



■ RAL 7016, Anthracite gray



■ RAL 7016, Anthracite gray



Decors for slatted walls, page 10–11



Other colors, on request

Decor plates MCPB 19 mm



MCPB 011 White   MCPB 013 Light gray   MCPB 014 Royal maple   MCPB 016 Acacia   MCPB 018 Oak basalt   MCPB 020 Walnut



# THE CHOICE IS YOURS

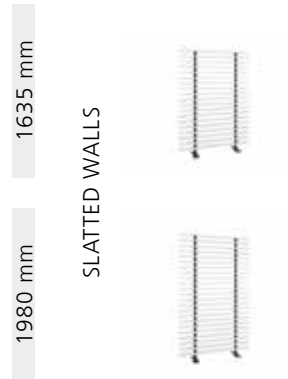
Climate Office offers great variability for optimal design planning. Thanks to the range of available sizes, you can elegantly combine various elements and partition your rooms or add contrast exactly as you wish.

Mobile elements	
Module widths	800, 1000, 1200
Module heights	1635, 1980, 2320
Base H x D	400 x 400, 750 x 400

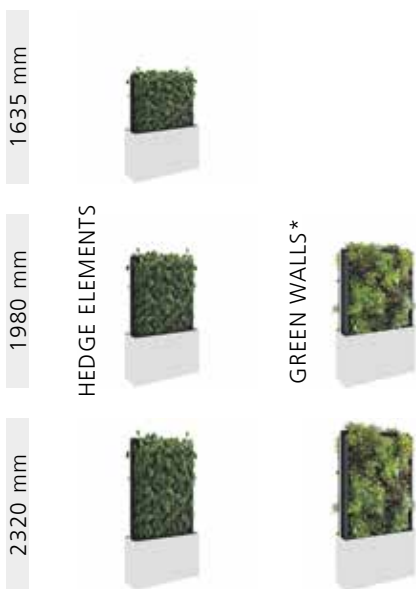
## CLIMATE OFFICE ELEMENTS WITH LOW **BASE (400 MM)**



## CLIMATE OFFICE SLATTED WALLS



## CLIMATE OFFICE ELEMENTS WITH TALL **BASE (740 MM)**



## CLIMATE OFFICE PLANT CUBES AND SIDEBOARD PLANTERS



\* The green walls with 740 mm-tall bases are available on request





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