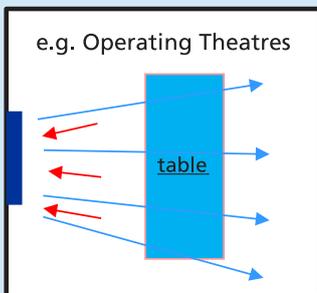




# COMBI 1.1 –

FILTRATION, COOLING, HEATING & POSITIVE PRESSURE IN ONE DEVICE



- ✓ Innovating product
- ✓ Better and cheaper than Laminar Flow
- ✓ Adjustable Air Nozzles for perfect airflow
- ✓ Creates high efficiency Cleanroom Class ISO5 or ISO6
- ✓ Installation: 1 day max.
- ✓ Results within 30 minutes
- ✓ Clean Air Capacity: 1000 m<sup>3</sup>/hour
- ✓ Only needs W 90 cm x H140 cm x D 34 cm of wall space
- ✓ Quiet operating level
- ✓ Max. distance between inside & outside unit: 25 meter

To protect immune compromised patients  
To upgrade ICU's, laboratories and O.T's

**COMBI:**  
the solution to upgrade operating theatres



**COMBI:**  
the solution to upgrade cleanroom class

## FILTER TYPE

- ✓ HEPA14 Filter Medium, EN1822
- ✓ Leakttested
- ✓ Pre-filtration for protection F7
- ✓ Dimensions:  
Main Filter: 90x70x15 cm  
Pre-filter: 90x20x30 cm
- ✓ Maintanance: to change 1x/year
- ✓ Security control
- ✓ Re-circulation of air and creation of positive pressure through fresh air

The HEPA filter, manufactured according to international standard EN1822 and leak tested, is of large dimension to increase output quantity of pure air.

HEPA14 Level is the highest level in HEPA and eliminates (from large to small) dust, fungi, aspergillus, bacteria up to viruses. If needed (e.g. special laboratories or cleanrooms) the HEPA14 filter cassette can be replaced by an ULPA15 grade.

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## ADJUSTABLE AIRJETS FOR PERFECT DIRECTIONAL AIRFLOW

Airflow is an important factor in the world of air quality and air purification. If clean air does not reach all corners of the room and dirty air is not extracted from all corners of the room, the device is worthless. With these air nozzles clean air reaches all areas in the room.

- ✓ Can be installed anywhere in the room
- ✓ No air draft complaints
- ✓ No freezing temperatures at a certain location
- ✓ Reaches all areas – no contaminated corners

**COMBI:**  
the solution to replace «dirty ventilation systems»



COMBI:  
results after already 30 minutes

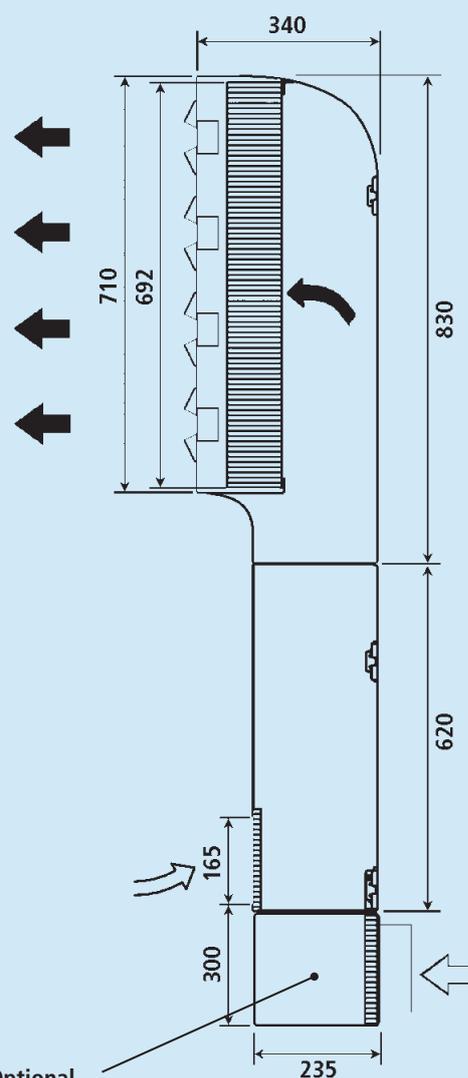
# COOLING AND HEATING

A powerful split – in- and outside unit.

## Technical Specifications

Model No.	Indoor unit		VH-43CH15.2
	Outdoor unit		OA-43CH15.2
Power source	V / O / Hz		230 / 1 / 50
Capacity	Cooling		kW
	Heating		
	Cooling / Heating		kW
EER	Cooling		3.21
COP	Heating		3.71
	Cooling / Heating		kW
	Cooling / Heating		4.3 / 4.5
Moisture removal			l/h
			1.5
Sound pressure (Cooling)	Indoor	H / M / L / Q	dB (A)
	Outdoor	High	
Sound power (Cooling)	Indoor	High	49
	Outdoor	High	60
Airflow rate (High)	Indoor / Outdoor		m³/h
			800 / 1910
Net dimensions H x W x D	Indoor (*no pressure without jet)		mm
			kg (lbs)
	Outdoor		mm
			kg (lbs)
Piping connections (Small / Large)			mm
Drain hose diameter (I.D. / O.D.)			6.35 / 12.70
Max. pipe length (pre-charge)			mm
Max. height difference			25 / 32
Operating range	Cooling		m
	Heating		25 (15)
Refrigerant (global warming potential)			°CDB
Airflow with jets			– 10 to 46
			– 15 to 24
	Refrigerant (global warming potential)		R410A (2088)
	Airflow with jets		m/s
			1.35 → 2.20

## Circulation of the air

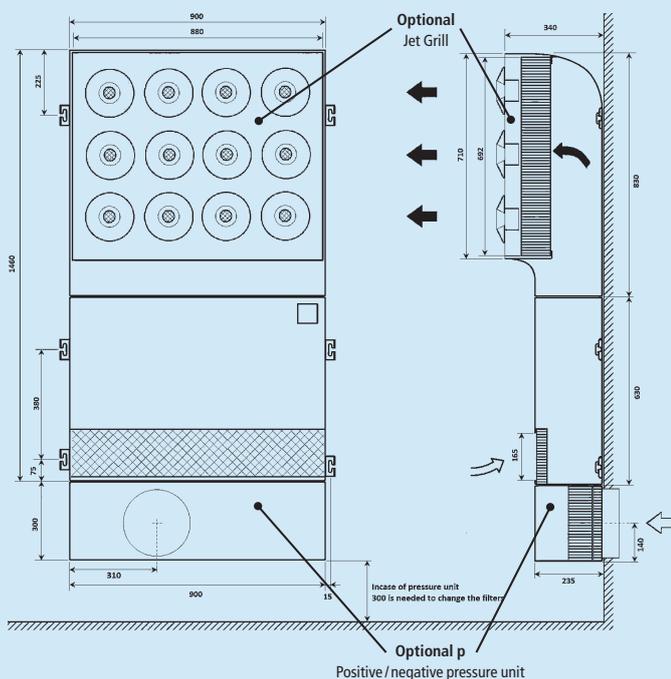


Optional  
Air in / out take unit

COMBI:  
the solution for my laboratory

COMBI:  
easy installation – 1 day maximum

# Optional: CREATES POSITIVE PRESSURE



- ✓ Positive pressure created with fresh air
- ✓ Capacity: 30 % fresh air of the device capacity (= max 300 m<sup>3</sup> / hour)
- ✓ Also with HEPA14 filter cassette and pre-filtration for protection F7
- ✓ Maintenance: 1x / year
- ✓ 70 % recirculation of air

**Note:**

Pressure difference depends on air tightness of the room. For information and advice contact MedicCleanAir.

Organisations that confirm and support the efficiency of the MedicCleanAir® devices by means of internationally published medical, clinical and scientific studies

- › The Hospital Infection Society (UK)
- › European Bone Marrow Transplant (EU)
- › German Institute for Hospital Hygiene (DGKH)
- › National Cancer Institute Italy (I)
- › Belgium National Institute for Tuberculosis (VRGT – FAREZ)