



Commercial solutions

Effective from 1st of January 2025

PRODUCT GUIDE 2025

Without prices

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OUTSTANDING INDOOR CLIMATE

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energy-saving ventilation
and heat pump solutions on
our website
www.nilan.dk



CONTENT

Ventilation with active heat recovery	
VPR 120-560 range	6
VPM 120-560 M2 range	10
VPR 700-3200 range	14
VPM 700-3200 range	20
HCR 800T	25
Ventilation with passive heat recovery	
Comfort 600	26
Comfort 1200	27
Comfort 5000	28
Filters	29
General Terms of Delivery	30

COMMERCIAL SOLUTIONS

Nilan ventilation and heat recovery units provide overall financial benefits and a healthier indoor climate.

Low energy consumption and low operating costs

Our units have an energy efficiency of up to 100% in the heat recovery process. This equates to huge energy savings and therefore low operating costs. Moreover, the units are easy and cheap to maintain.

Long lifespan and maximum output

The unbeatable quality of the units is a result of the fact that we use only the best components and materials. All units are built at our factory in Denmark and are tested in operation before leaving the factory.

We take pride in working with future-proof technology and are constantly at the forefront of developments.

Consequently, in combination with our high quality requirements, our ventilation and heat recovery units have an exceptionally long lifespan. - And many of them are more than thirty years old and still in operation.

A healthy indoor climate improves human efficiency and well-being

A Nilan ventilation and heat recovery unit is not only synonymous with healthy finances but also with healthy people.

By means of the ventilation facility, all our solutions ensure a better indoor climate, which is decisive for day-to-day well-being and efficiency at workplaces, schools and other buildings where people spend their time.



VPR 120-560 / VPM 120-560 M2 range



VPR 700-3200-serien / VPM 700-3200 range



Comfort 1200-5000 range



HCR 800T

An outline of the commercial systems



Ventilation



Passive
heat recovery



Active
heat recovery



Comfort
heating



Comfort
cooling



Production of
sanitary hot
water

Comfort 600-5000 range	✓	✓				
VPR 120-560 range	✓	✓	✓	✓	✓	
VPM 120-560 M2 range	✓	✓	✓	✓	✓	
VPR 700-3200 range	✓	✓	✓	✓	✓	✓
VPM 700-3200 range	✓	✓	✓	✓	✓	✓
HCR 800T	✓	✓	✓	✓	✓	



Incl. gateway LAN for the Nilan App

The VPR 120-560 range *Active & passive heat recovery (air/air)*

VPR 120-560 is a series of ventilation units with heat recovery. The primary heat recovery takes place via a high efficiency rotary heat exchanger, which is supplemented with the built-in heat pump, so the supply air can be heated and ensure that users do not experience drafts caused by the ventilation.

The reversible heat pump that can reverse the cooling circuit so it can cool the supply air in the summer and thus help to ensure that the indoor climate does not get too hot. The rotor heat exchangers are helpful with cooling recovery.

VPR 120-560 comprises the following:

- Rotary heat exchanger (condensation exchanger)
- Heat pump for active heat recovery for fresh air heating or cooling.
- Variable compressor.
- Flow measurement.
- Two 4-stage low-energy EC fans.
- Integral filters ISO ePM10 >60% (M5) (extract air) and ISO ePM1 50% (F7) (fresh air).
- Operation takes place via the CTS 602i HMI Touch panel with display and programmable functions.
- Incl. gateway LAN for the Nilan App (for the CTS602i control).



VPR 120-560 with CTS602i control / HMI Touch panel

Type	Art. no.	m ³ /h	W mm	D mm	H mm	Weight kg	Volt	Amp
VPR 120	78105	1,950	2,100	810	990	315	3N400V	3x16
VPR 240	78110	2,650	2,300	910	1,040	405	3N400V	3x16
VPR 360	78115	4,150	2,445	1,110	1,240	480	3N400V	3x20
VPR 480	78120	5,600	2,445	1,235	1,400	555	3N400V	3x16
VPR 560	78125	6,600	2,445	1,235	1,400	555	3N400V	3x16

Sorption exchanger (condensation exchanger is standard on VPR)

Type	Art. no.
Sorption exchanger (N) VPR 120	12100
Sorption exchanger (N) VPR 240	12110
Sorption exchanger (N) VPR 360	12120
Sorption exchanger (N) VPR 480	12130
Sorption exchanger (N) VPR 560	12130

* added price

Purge sector zone

Type	Art. no.
Purge sector zone	

Water heating element EV with control

The water heating element is installed in the ventilation unit and is supplied with a frost protection thermostat, an adjustment valve, temperature sensor and control.

Type	Art. no.	Plumbing connection	With motor valve m ³ /h
VPR 120	7679203	Ø15 mm	0,63
VPR 240	7679403	Ø22 mm	1,6
VPR 360	7679603	Ø22 mm	1,6
VPR 480	7679703	Ø22 mm	2,5
VPR 560	7679703	Ø22 mm	2,5

Electric heating element EB

The electric heating element is installed in the ventilation unit, completely electrically wired, and is controlled by CTS602i. The supply voltage is fed to a separate safety group.

Type	Art. no.	Heating kW	Volt	Amp
EB 5, VPR 120	76100500	5	400	3x16
EB 7, VPR 240	76100700	7	400	3x16
EB 14, VPR 360	76101400	14	400	3x16
EB 14, VPR 480-560	76101402	14	400	3x25
EB 21, VPR 480-560	76102100	21	400	3x25

Safety switch

Type	Art. no.	Amp
Safety switch for the unit	223121	32A
Safety switch for EB 5-21	223121	32A

The power supply to the electric heating elements must be connected to a separate fuse group and provided with an individual safety switch.

Top cover for outdoor installation

Type	Art. no.
VPR 120	7810521
VPR 240	7811021
VPR 360	7811521
VPR 480	7812521
VPR 560	7812521

Pressure control

Fans (pressure-controlled for variable air volume flow)

The motor of the extract and/or supply air fan can be operated using one or two pressure transmitters, which

are mounted in the extract and/or supply duct. In the standard version, the pressure transmitters are supplied with 5 m cable and a power supply.

Type	Art. no.
Solution with 2 pressure transmitters	23994110

Pressure-controlled filter monitor

Type	Art. no.
Pressure-controlled filter monitor	36355

Shut-off damper

The shut-off damper for external installation is supplied in sets of 2 units with corresponding damper motor. The supply

includes a 230 V motor as standard for CTS602i.

Type	Art. no.	Dimensions
VPR 120 (2 pc.)	843201	Ø315
VPR 240 (2 pc.)	843301	Ø400
VPR 360 (2 pc.)	3854201	400x700
VPR 480 (2 pc.)	3854301	500x700
VPR 560 (2 pc.)	3854301	500x700
Protection for damper actuator in outdoor configuration		

Vibration absorber

Type	Art. no.
VPR 120 (4 pc.)	77222
VPR 240 (4 pc.)	77242
VPR 360 (4 pc.)	77242
VPR 480 (4 pc.)	77242
VPR 560 (4 pc.)	77242

Adjustable feet

Type	Art. no.
Adjustable feet	772220

Heating cable in drain

Heating cable for the condensate drain to prevent freezing of condensate resulting from outdoor installation of units. The

drain must always be connected so that it is completely airtight and siphoned.

Type	Art. no.
Heating cable in drain	7758

Water trap

A water trap collects the condensated water from the system. The water trap is designed for negative pressure and equipped

with a ball which ensures that the water trap is tight also when it is not filled with water.

Type	Art. no.
Water trap	77480

CO₂-sensor

Type	Art. no.
CO ₂ -sensor	7134B16

Schuko plug

Type	Art. no.
Schuko plug	1887601

Fire thermostat

Type	Art. no.
Fire thermostat	78150003

Production of hot water in cooling mode

With an optional integrated plate heat exchanger, the excess heat from the cooling function can be used for the production of domestic hot water. The heat exchanger transfers heat directly

between the refrigerant and boiler water. Please note that the circulation pump for hot boiler water is not included.

Type	Art. no.
VPR 120	
VPR 240	78310100
VPR 360	78315100
VPR 480	78320100
VPR 560	78320100



Incl. gateway LAN for the Nilan App

The VPM 120-560 M2 range *Active & passive heat recovery (air/air)*

VPM 120-560 M2 are compact heat recovery units with a cooling option. The units come complete with filters and heat pipe. Water or electric heating elements can be installed in the unit. The casings are manufactured in aluzinc and prepared for outdoor installation with the purchase of a top cover.

VPM 120-560 M2 is available as standard with a CTS602 control unit with its own operating panel and option of Modbus communication via RS485 connection. The Modbus protocol allows the setting and reading of a number of parameters.

VPM 120-560 M2 comprises the following:

- Heat pump for active heat recovery for fresh air heating or cooling.
- Passive heat recovery with heat pipe (CO₂ refrigerant).
- Variable compressor.
- Flow measurement.
- Two 4-stage low-energy EC fans.
- Integral filters ISO ePM10 >60% (M5) (extract air) and ISO ePM1 50% (F7) (fresh air).
- Operation takes place via the CTS602i HMI Touch panel with display and programmable functions.
- Incl. gateway LAN for the Nilan App (for the CTS602i control).



VPM 120-560 M2 with CTS602i control / HMI Touch panel

Type	Art.no.	m ³ /h	W mm	D mm	H mm	Duct connection mm	Weight kg	Volt	Amp
VPM 120 M2	78305	1,950	2,100	810	990	Ø315	230	400	3x13
VPM 240 M2	78310	2,650	2,300	910	1,040	Ø400	327	400	3x16
VPM 360 M2	78315	4,150	2,445	1,110	1,240	400x700	459	400	3x16
VPM 480 M2	78320	5,600	2,445	1,235	1,400	500x700	593	400	3x25
VPM 560 M2	78325	6,600	2,445	1,235	1,400	500x700	593	400	3x32

Water heating element EV with control

The water heating element is installed in the ventilation unit and is supplied with a frost protection thermostat, an adjustment valve, temperature sensor and control.

Type	Art. no.	Plumbing connection	With motor valve m ³ /h
EV 120	7679203	Ø15 mm	0,63
EV 240	7679403	Ø22 mm	1,6
EV 360	7679603	Ø22 mm	1,6
EV 480	7679703	Ø22 mm	2,5
EV 560	7679703	Ø22 mm	2,5

Electric heating element EB

The electric heating element is installed in the ventilation unit, completely electrically wired, and is controlled by CTS602i.

Type	Art. no.	Heating kW	Volt	Amp
EB 5, VPM 120 M2	76100500	5	400	3x16
EB 7, VPM 240 M2	76100700	7	400	3x16
EB 14, VPM 360 M2	76101400	14	400	3x16
EB 14, VPM 480-560 M2	76101402	14	400	3x25
EB 21, VPM 480-560 M2	76102100	21	400	3x25

Safety switch

Type	Art. no.	Amp
Safety switch for the unit	223121	32A
Safety switch for EB 5-21	223121	32A

The power supply to the electric heating elements must be connected to a separate fuse group and provided with an individual safety switch.

Top cover for outdoor installation

Type	Art. no.
Top cover VPM 120 M2	7810521
Top cover VPM 240 M2	7811021
Top cover VPM 360 M2	7811521
Top cover VPM 480 M2	7812521
Top cover VPM 560 M2	7812521

Pressure control

Fans (pressure-controlled for variable air volume flow)

The motor of the extract and/or supply air fan can be operated using one or two pressure transmitters, which

are mounted in the extract and/or supply duct. In the standard version, the pressure transmitters are supplied with 5 m cable and a power supply.

Type	Art. no.
Solution with 2 pressure transmitters	23994110

Pressure-controlled filter monitor

Type	Art. no.
Pressure-controlled filter monitor	36355

Shut-off damper

The shut-off damper for external installation is supplied in sets of 2 units with corresponding damper motor. The supply

includes a 230 V motor as standard for CTS602i.

Type	Art. no.	Dimensions
VPM 120 M2 (2 pc.)	843201	Ø315
VPM 240 M2 (2 pc.)	843301	Ø400
VPM 360 M2 (2 pc.)	3854201	400x700
VPM 480 M2 (2 pc.)	3854301	500x700
VPM 560 M2 (2 pc.)	3854301	500x700
Protection for damper actuator in outdoor configuration		

Vibration absorber

Type	Art. no.
VPM 120 M2 (4 pc.)	77222
VPM 240 M2 (4 pc.)	77242
VPM 360 M2 (4 pc.)	77242
VPM 480 M2 (4 pc.)	77242
VPM 560 M2 (4 pc.)	77242

Adjustable feet

Type	Art. no.
Adjustable feet	772220

Heating cable in drain

Heating cable for the condensate drain to prevent freezing of condensate resulting from outdoor installation of units. The

drain must always be connected so that it is completely airtight and siphoned.

Type	Art. no.
Heating cable in drain	7758

Water trap

A water trap collects the condensated water from the system. The water trap is designed for negative pressure and equipped

with a ball which ensures that the water trap is tight also when it is not filled with water.

Type	Art. no.
Water trap	77480

CO₂-sensor

Type	Art. no.
CO ₂ -sensor	7134B16

Schuko plug

Type	Art. no.
Schuko plug	1887601

Fire thermostat

Type	Art. no.
Fire thermostat	78150003

Production of hot water in cooling mode

With an optional integrated plate heat exchanger, the excess heat from the cooling function can be used for the production of domestic hot water. The heat exchanger transfers heat directly

between the refrigerant and boiler water. Please note that the circulation pump for hot boiler water is not included.

Type	Art. no.
VPM 120 M2	
VPM 240 M2	78310100
VPM 360 M2	78315100
VPM 480 M2	78320100
VPM 560 M2	78320100



Incl. gateway LAN for the Nilan App

The VPR 700-3200 range *Active & passive heat recovery (air/air-air/water)*

The VPR 700-3200 series consists of compact ventilation and heat recovery units with a heat pump. The VPR 700-3200 is delivered complete with filters, dampers, damper actuators, and a condensation rotary exchanger. Heating element, mixing circuit, and control system can be integrated into the unit. The cabinets are made of Aluzinc and are suitable for outdoor installation.

The VPR 700-3200 series includes:

- Highly insulated double casing - supplied as three modules for simple installation.

- Reversible heat pump with up to three compressors for active heat recovery for heating or cooling of the supply air.
- Rotary heat exchanger (condensing rotary exchanger).
- Variable compressor.
- Two 4-stage low-energy EC fans.
- Built-in ISO ePM10 >60% (M5) filters (extract air) and ISO ePM1 50% (F7) (outdoor air).
- Gateway LAN for the Nilan App (CTS602i control system).



VPR 700-3200 range incl. control and electrical components

Type	Art. no.	m ³ /h	W mm	D mm	H mm	Weight kg	Heating kW	Cooling kW	Volt	Amp
VPR 700	78155	7,000	4,400	1,610	1,530	-	-	-	400	3x32
VPR 800	78165	8,000	4,400	1,610	1,530	-	-	-	400	3x50
VPR 1000	78174	10,000	4,400	1,610	1,530	-	-	-	400	3x50
VPR 1200	78175	12,000	4,540	1,910	2,100	-	-	-	400	-
VPR 1500	78185	15,000	4,540	1,910	2,100	-	-	-	400	3x80
VPR 2200	78195	22,000	4,960	2,235	2,660	-	-	-	400	3x100
VPR 3200	78199	32,000	5,580	2,510	2,730	-	-	-	400	-

Sorption exchanger (condensation exchanger is standard on VPR)

Type	Art. no.
Sorption exchanger (N) VPR 700	12150
Sorption exchanger (N) VPR 800	12150
Sorption exchanger (N) VPR 1000	12150
Sorption exchanger (N) VPR 1200	12160
Sorption exchanger (N) VPR 1500	12160
Sorption exchanger (N) VPR 2200	12170
Sorption exchanger (N) VPR 3200	

* added price

Purge sector zone

Type	Art. no.
Purge sector zone	

Water heating element EV

Type	Art. no.		Heating kW	Plumbing connection
VPR 700	77102	Internal fitting	20-60	3/4" RG
VPR 800	77102	Internal fitting	20-60	3/4" RG
VPR 1000	77102	Internal fitting	20-60	3/4" RG
VPR 1200	7704	Internal fitting	30-90	1" RG
VPR 1500	7704	Internal fitting	30-90	1" RG
VPR 2200	7706	Internal fitting	50-120	1" RG
VPR 3200		Internal fitting	60-160	1 1/4" RG

The water heating element is installed in the ventilation unit and is supplied with a frost protection thermostat and temperature sensor.

Three-way valve for water heating element

Type	Art. no.
Kvs 0,6	7950
Kvs 1,0	7951
Kvs 1,6	7952
Kvs 2,5	7953
Kvs 4,0	79541
Kvs 6,3	79551
Kvs 10	795611
Kvs 13	795612
Kvs 25	795621

A three-way valve together with a valve actuator are used for control of the water heating element EV.

Mixing circuit for water heating element

Type	Art. no.
VPR 700	7720
VPR 800	7720
VPR 1000	7720
VPR 1200	7722
VPR 1500	7722
VPR 2200	7724
VPR 3200	7725

Nilan offers a complete mixing circuit for the water heating element for the VPR units - fitted by the factory. Flow and return flow lines are routed through the unit's casing side.

The mixing circuit comprises the following:

- Circulating pump.
- Shut-off valves.
- Check valve.
- Dirt trap.
- Bleed screw.
- Miscellaneous pipes and fittings.

Electric heating element EB

Type	Art. no.		Heating kW	Amp
EB 14	76834	Internal fitting	14	32A
EB 21	76836	Internal fitting	21	32A
EB 28	76838	Internal fitting	28	63A
EB 35	76840	Internal fitting	35	63A
EB 42	76842	Internal fitting	42	63A
EB 49	76844	Internal fitting	49	80A
EB 63	76848	Internal fitting	63	125A
EB 74	76850	Internal fitting	74	125A
EB 84	76852	Internal fitting	84	125A
EB 120	76858	Internal fitting	120	125A

The electric heating element EB is prepared for internal fitting in the VPR ventilation unit and is equipped with a binary power divider.

Safety switch

Type	Art. no.	Amp
Safety switch for the unit	223121	32A
Safety switch for EB 21	223121	32A
Safety switch for EB 28-42	22311	63A
Safety switch for EB 49	223351	80A
Safety switch for EB 56-84	223411	125A

The power supply to the electric heating elements must be connected to a separate fuse group and provided with an individual safety switch.

Production of hot water in cooling mode

With an optional integrated plate heat exchanger, the excess heat from the cooling function can be used for the production of domestic hot water. The heat exchanger transfers heat directly

between the refrigerant and boiler water. Please note that the circulation pump for hot boiler water is not included.

Type	Art. no.
VPR 700	76861
VPR 800	76861
VPR 1000	76861
VPR 1200	76863
VPR 1500	76863
VPR 2200	76866
VPR 3200	76866

Pressure transmitter for DCV/VAV solution (for CTS 602i)

Type	Art. no.
Solution with 2 pressure transmitters	23994110

Damper module

The damper module can control the amount of recirculated air from 0% to 100%. In recirculation mode, the compressors are switched off. The module comprises two shut-off dampers and

motors equipped with a multi-plug for quick and error-free connection to the VPR unit. The dimensions correspond to the VPR unit in question.

Type	Art. no.	W mm	D mm	H mm	Weight kg
VPR 700	7874SM	950	1.375	2.000	250
VPR 800	7874SM	950	1.375	2.000	250
VPR 1000	7874SM	950	1.375	2.000	250
VPR 1200	7885SM	950	1.910	2.100	300
VPR 1500	7885SM	950	1.910	2.100	300
VPR 2200	7895SM	950	1.910	2.660	350
VPR 3200	7899SM	950	2.510	2.730	400

Discharge/intake module

For outdoor installation of the VPR unit, a discharge/intake module can be used. The discharge air goes through a jet cowl

(not included in the price) in an upwards direction. The fresh air goes through an intake opening in the casing.

Type	Art. no.	W mm	D mm	H mm	Weight kg
VPR 700	7874AM	1.135	1.375	2.000	360
VPR 800	7874AM	1.135	1.375	2.000	360
VPR 1000	7874AM	1.135	1.375	2.000	380
VPR 1200	7885AM	1.210	1.910	2.100	510
VPR 1500	7885AM	1.120	1.910	2.100	530
VPR 2200	7895AM	1.370	1.910	2.660	650
VPR 3200	7899AM	1.480	2.510	2.730	830

CO₂-sensor

Type	Art. no.
CO ₂ -sensor	7134B16

Schuko plug

Type	Art. no.
Schuko plug	1887601

Fire thermostat

Type	Art. no.
Fire thermostat	78150003

Base

Type	Art. no.
VPR 700	7726
VPR 800	7726
VPR 1000	7726
VPR 1200	7727
VPR 1500	7727
VPR 2200	7728
VPR 3200	7729

Vibration absorber for systems on a base

Type	Art. no.
VPR 700	77262
VPR 800	77262
VPR 1000	77262
VPR 1200	77272
VPR 1500	77272
VPR 2200	77282
VPR 3200	77282

Vibration absorber for systems not on a base

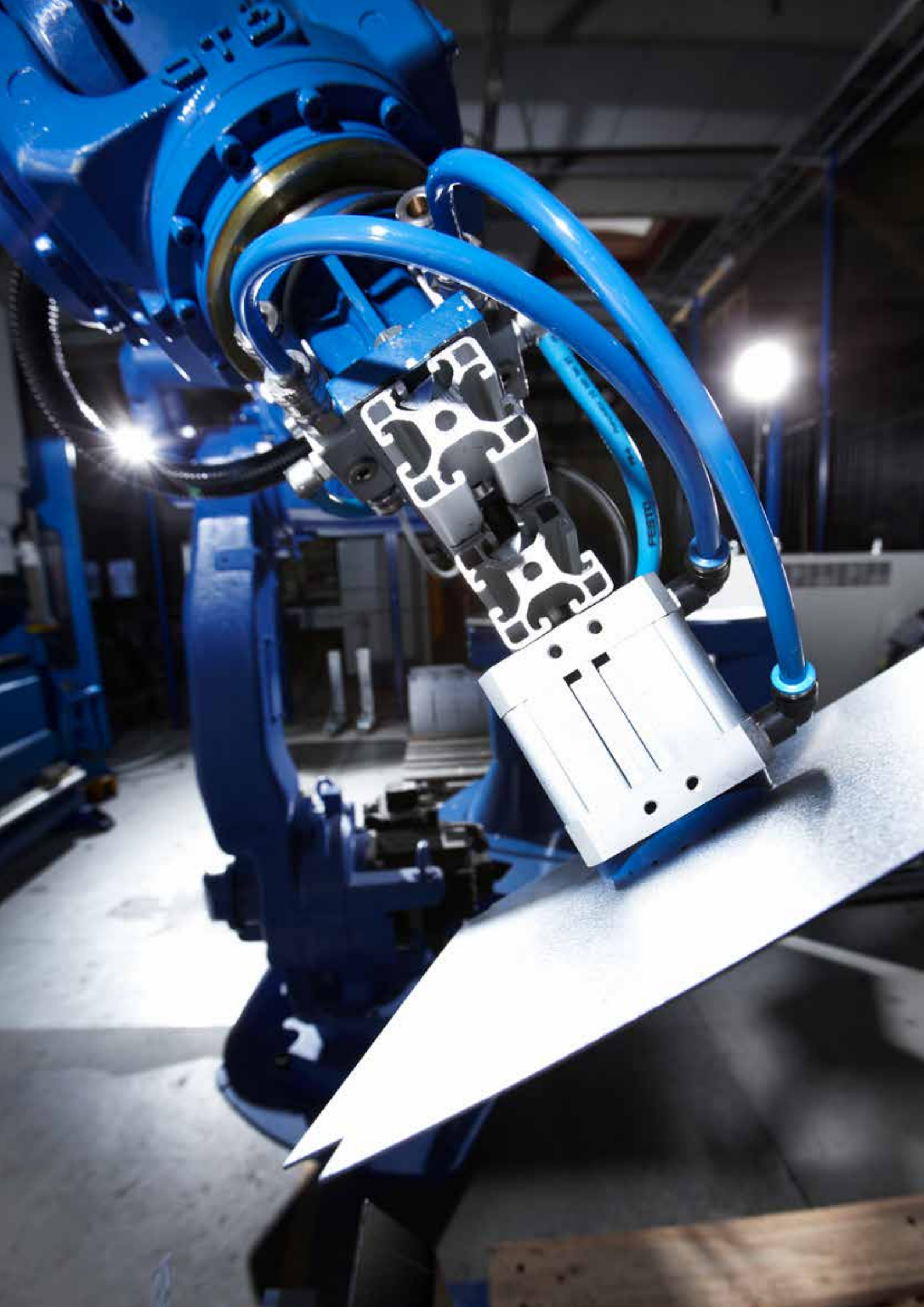
Type	Art. no.
VPR 700	772620
VPR 800	772620
VPR 1000	772620
VPR 1200	772720
VPR 1500	772720
VPR 2200	772820
VPR 3200	772920

Water trap

Type	Art. no.
Water trap	77485

Heating cable in drain

Type	Art. no.
Heating cable in drain	7758





Incl. gateway LAN for the Nilan App

The VPM 700-3200 range *Active & passive heat recovery (air/air-air/water)*

The VPM 700-3200 range consists of compact heat recovery units with a cooling option. The units come complete with filters, shut-off dampers, damper motors and heat pipe. Heating element, mixing circuit and control can be incorporated in the unit. The casings are manufactured in aluzinc and prepared for outdoor installation.

VPM 700-3200 comprises the following:

- Highly insulated double casing - supplied as 3 modules for simple installation.
- Reversible heat pump with up to 3 compressors for active heat recovery for fresh air heating or cooling.
- Passive heat recovery with heat pipe (CO₂ refrigerant).
- Two 4-stage low-energy EC fans.
- Integral filters ISO ePM10 >60%(M5) (extract air) ISO ePM1 >50%(F7) (fresh air).
- Filter watch pressure control.
- Incl. gateway LAN for the Nilan App (for the CTS602i control).



VPM 700-3200 range incl. control and electrical components

Type	Art. no.	m ³ /h	W mm	D mm	H mm	Weight kg	Heating kW	Cooling kW	Volt	Amp
VPM 700	7855	7,000	4,290	1,370	2,000	1,750	50	27	400	3x50
VPM 800	7865	8,000	4,290	1,370	2,000	1,750	66	36	400	3x50
VPM 1000	7874	10,000	4,290	1,370	2,000	1,750	77	42	400	3x63
VPM 1200	7875	12,000	4,440	1,910	2,100	2,400	97	56	400	3x80
VPM 1500	7885	15,000	4,440	1,910	2,100	2,400	116	65	400	3x100
VPM 2200	7895	22,000	4,850	1,910	2,660	3,250	146	85	400	3x125
VPM 3200	7899	32,000	5,470	2,510	2,730	3,970	230	146	400	3x160

Safety switch

Type	Art. no.	Amp
Safety switch for the unit	223121	32A
Safety switch for EB 21	223121	32A
Safety switch for EB 28-42	22311	63A
Safety switch for EB 49	223351	80A
Safety switch for EB 56-84	223411	125A

The power supply to the electric heating elements must be connected to a separate fuse group and provided with an individual safety switch.

Water heating element EV

Type	Art. no.		Heating kW	Plumbing connection
VPM 700	7702	Internal fitting	20-60	3/4" RG
VPM 800	7702	Internal fitting	20-60	3/4" RG
VPM 1000	7702	Internal fitting	20-60	3/4" RG
VPM 1200	7704	Internal fitting	30-90	1" RG
VPM 1500	7704	Internal fitting	30-90	1" RG
VPM 2200	7706	Internal fitting	50-120	1" RG
VPM 3200	7707	Internal fitting	60-160	1 1/4" RG

The water heating element is installed in the ventilation unit and is supplied with a frost protection thermostat and temperature sensor.

Three-way valve for water heating element

Type	Art. no.
Kvs 0,6	7950
Kvs 1,0	7951
Kvs 1,6	7952
Kvs 2,5	7953
Kvs 4,0	79541
Kvs 6,3	79551
Kvs 10	795611
Kvs 13	795612
Kvs 25	795621

A three-way valve together with a valve actuator are used for control of the water heating element EV.

Mixing circuit for water heating element

Type	Art. no.
VPM 700	7720
VPM 800	7720
VPM 1000	7720
VPM 1200	7722
VPM 1500	7722
VPM 2200	7724
VPM 3200	7725

Nilan offers a complete mixing circuit for the water heating element for the VPM units - fitted by the factory. Flow and return flow lines are routed through the unit's casing side.

The mixing circuit comprises the following:

- Circulating pump.
- Shut-off valves.
- Check valve.
- Dirt trap.
- Bleed screw.
- Miscellaneous pipes and fittings.

Electric heating element EB

Type	Art. no.		Heating kW	Amp
EB 14	76834	Internal fitting	14	32A
EB 21	76836	Internal fitting	21	32A
EB 28	76838	Internal fitting	28	63A
EB 35	76840	Internal fitting	35	63A
EB 42	76842	Internal fitting	42	63A
EB 49	76844	Internal fitting	49	80A
EB 63	76848	Internal fitting	63	125A
EB 74	76850	Internal fitting	74	125A
EB 84	76852	Internal fitting	84	125A
EB 120	76858	Internal fitting	120	125A

The electric heating element EB is prepared for internal fitting in the VPM ventilation unit and is equipped with a binary power divider.

Production of hot water in cooling mode

With an optional integrated plate heat exchanger, the excess heat from the cooling function can be used for the production of domestic hot water. The heat exchanger transfers heat directly

between the refrigerant and boiler water. Please note that the circulation pump for hot boiler water is not included.

Type	Art. no.
VPM 700	76861
VPM 800	76861
VPM 1000	76861
VPM 1200	76863
VPM 1500	76863
VPM 2200	76866
VPM 3200	76866

Damper module

The damper module can control the amount of recirculated air from 0% to 100%. In recirculation mode, the compressors are switched off. The module comprises two shut-off dampers and

motors equipped with a multi-plug for quick and error-free connection to the VPM unit. The dimensions correspond to the VPM unit in question.

Type	Art. no.	W mm	D mm	H mm	Weight kg
VPM 700	7874SM	950	1.375	2.000	250
VPM 800	7874SM	950	1.375	2.000	250
VPM 1000	7874SM	950	1.375	2.000	250
VPM 1200	7885SM	950	1.910	2.100	300
VPM 1500	7885SM	950	1.910	2.100	300
VPM 2200	7895SM	950	1.910	2.660	350
VPM 3200	7899SM	950	2.510	2.730	400

Discharge/intake module

For outdoor installation of the VPM unit, a discharge/intake module can be used. The discharge air goes through a jet cowl

(not included in the price) in an upwards direction. The fresh air goes through an intake opening in the casing.

Type	Art. no.	W mm	D mm	H mm	Weight kg
VPM 700	7874AM	1.135	1.375	2.000	360
VPM 800	7874AM	1.135	1.375	2.000	360
VPM 1000	7874AM	1.135	1.375	2.000	380
VPM 1200	7885AM	1.210	1.910	2.100	510
VPM 1500	7885AM	1.120	1.910	2.100	530
VPM 2200	7895AM	1.370	1.910	2.660	650
VPM 3200	7899AM	1.480	2.510	2.730	830

Pressure transmitter for DCV/VAV solution (for CTS 602i)

Type	Art. no.
Solution with 2 pressure transmitters	23994110

CO₂-sensor

Type	Art. no.
CO ₂ -sensor	7134B16

Schuko plug

Type	Art. no.
Schuko plug	1887601

Fire thermostat

Type	Art. no.
Fire thermostat	78150003

Vibration absorber for systems on a base

Type	Art. no.
VPM 700	77262
VPM 800	77262
VPM 1000	77262
VPM 1200	77272
VPM 1500	77272
VPM 2200	77282
VPM 3200	77282

Vibration absorber for systems not on a base

Type	Art. no.
VPM 700	772620
VPM 800	772620
VPM 1000	772620
VPM 1200	772720
VPM 1500	772720
VPM 2200	772820
VPM 3200	772920

Base

Type	Art. no.
VPM 700	7726
VPM 800	7726
VPM 1000	7726
VPM 1200	7727
VPM 1500	7727
VPM 2200	7728
VPM 3200	7729

Water trap

Type	Art. no.
Water trap	77485

Heating cable in drain

Type	Art. no.
Heating cable in drain	7758



HCR 800T *Active & passive heat recovery (air/air)*

The HCR 800T is an advanced ventilation unit with efficient heat recovery that combines a rotary heat exchanger and a heat pump for ventilation of offices, shops, schools, and commercial premises. The heat pump features a reversible cooling circuit, enabling adjustment of the supply air temperature for both heating and cooling, depending on the need.

HCR 800T comprises the following:

- Rotary heat exchanger (sorption exchanger).
- Reversible heat pump for active heat recovery and cooling of the supply air.
- 2 low-energy EC fans.
- Operation via the CTS 602 HMI Touch panel with display and programmable functions.
- Option for connection of an integrated CO₂ or humidity sensor.
- Option for Gateway LAN connection for the Nilan App and Service Center.

HCR 800T - with HMI Touch panel

Type	Air supply	Art. no.	m ³ /h	W mm	D mm	H mm	Duct connection mm	Weight kg	Volt	Amp
HCR 800T		705001	1100	621	1890	Ø250	205	230	13	

Accessories for HCR 800T

Type	Art. no.
Bagfilter ePM1 65%	3908
Cassettefilter ePM10 50%	3909
Gateway - LAN	9106
Humidity sensor	239972
CO ₂ -sensor kit	
Extension cable HMI control panel	9104
Key	3741
Lifting tool	940002



Incl. gateway LAN
for the Nilan App

Comfort 600

The Comfort 600 is an energy-efficient ventilation unit with heat recovery for homes and smaller commercial buildings with a ventilation requirement of up to 800 m³/h. This unit has been thoroughly tested, with improvements being continually made during its manufacture for more than 15 years. These have focused on low energy consumption, easy user operation and maintenance. The Comfort 600 is a compact unit which can be ordered as a left- or right-handed model.

The Comfort 600 range comprises the following:

- Counterflow heat exchanger for passive heat recovery.
- Automatic bypass.
- Two low-energy EC fans.
- Integral ISO Coarse >65% (G4) filters.
- Built-in humidity sensor.
- Incl. gateway LAN for the Nilan App (for the CTS602 control).



Comfort 600 - with HMI Touch panel

Type	Air supply	Art. no.	m ³ /h	W mm	D mm	H mm	Duct connection mm	Weight kg	Volt	Amp
Comfort 600	Right	71164522	800	1,200	950	630	Ø200	90	230	10
Comfort 600	Left	7116422	800	1,200	950	630	Ø200	90	230	10

* With CTS 602 control

Accessories for Comfort 600

Type	Art. no.
Installation set (Water trap/Vibration absorber)	920402
Water trap	77481
Vibration absorber (4 pieces)	30451
CO ₂ -Sensor kit	7134B13
Electric heating element (frost protection)	2400 W - Ø200 mm 88269
Water heating element (Right)	Internal fitting 769063H
Water heating element (Left)	Internal fitting 769063Z
Electric heating element	3000 W - Ø200 mm 764141
Heating cable in drain 3 m	7758
Expansion PCB	239936
EM-box	852001



Incl. gateway LAN
for the Nilan App

Comfort 1200 *Passive heat recovery (air/air)*

Comfort 1200 is a ventilation unit with 4-stage EC fans (stages definable from 20-100%), temperature-controlled bypass valve and a heat recovery with temperature efficiency higher than 80% through use of a highly efficient counterflow heat exchanger. The CTS 602 control enables functions such as menu-controlled operation, 7-day programs, max./min., on - off, filter monitor with alarm function and control of an external heating element (electrical/ water).

The Comfort 1200 comprises the following:

- Counterflow heat exchanger for passive heat recovery.
- Automatic 100% bypass.
- Two 4-stage low-energy EC fans.
- Integral filters ISO ePM10 >60%(M5) (extract air) ISO ePM1 >50%(F7) (fresh air).
- Operation of external auxiliary heating source (500 W) via purchase of an expansion PCB.
- Incl. gateway LAN for the Nilan App (for the CTS602 control).



Comfort 1200 - with HMI Touch panel

Type	Air supply	Art. no.	m ³ /h	W mm	D mm	H mm	Weight kg	Volt	Amp
Comfort 1200	Right	7117	1,525	1,817	970	825	380	230	13

Accessories for Comfort 1200

Type	Art. no.
Water trap	77481
Vibration absorber	7722401
Heating cable in drain 3 m	7758
Top cover	711721
Damper	Ø315 mm 84381
Expansion PCB	239937
CO ₂ -Sensor kit	7134B16
Electric heating element (frost protection)	6000 W - Ø315 mm 882701
Water heating element	Internal fitting 76694
Electric heating element	6000 W - Ø315 mm 764143

Pressure control

Type	Art. no.
Solution with 2 pressure transmitters	23994110



Incl. gateway LAN for the Nilan App

Comfort 5000 *Passive heat recovery (air/air)*

Comfort 5000 is a ventilation unit with 4-stage EC fans (stages definable from 20-100%), temperature-controlled bypass valve and a heat recovery with temperature efficiency higher than 80% through use of a highly efficient counterflow heat exchanger. The CTS 602 control enables functions such as menu-controlled operation, 7-day programs, max./min., on - off, filter monitor with alarm function and control of an external heating element (electrical/ water).

The Comfort 5000 comprises the following:

- Counterflow heat exchanger for passive heat recovery.
- Automatic 100% bypass.
- Two 4-stage low-energy EC fans.
- Integral filters ISO ePM10 >60%(M5) (extract air) ISO ePM1 >50%(F7) (fresh air).
- Operation of external auxiliary heating source (500 W) via purchase of an expansion PCB.
- Incl. gateway LAN for the Nilan App (for the CTS602 control).



Comfort 5000 - with HMI Touch panel

Type	Air supply	Art. no.	m ³ /h	W mm	D mm	H mm	Weight kg	Volt	Amp
Comfort 5000	Left	712001	5300	2,650	1,250	1,400	617	3x400	16

Accessories for Comfort 5000

Type	Art. no.
Water trap	77481
Vibration absorber	77242
Heating cable in drain 3 m	7758
Top cover	71200121
Damper incl. motor (set)	800 x 500 mm 386001
Expansion PCB	239937
Humidity sensor	239972
CO ₂ -Sensor kit	7134816
Electric heating element (frost protection)	21 kW - 800 x 500 mm 88273
Water heating element	Internal fitting 76696
Electric heating element	15 kW - 800 x 500 mm 112019
Electric heating element (frost protection)	21 kW - 800 x 500 mm 112020

Pressure control

Type	Art. no.
Solution with 2 pressure transmitters	23994110

FILTERS

Type		Qty	Product no.
Comfort 600	ISO Coarse >65%(G4)	8	920214
	ISO ePM1 >50%(F7)	1	3956
Comfort 1200	ISO ePM10 >60%(M5)	1	3948
	ISO ePM1 >50%(F7)	1	3949
Comfort 5000	ISO ePM10 >60%(M5)	2	3944
	ISO ePM1 >50%(F7)	2	3946
VPM/VPR 120	ISO ePM10 >60%(M5)	1	3948
	ISO ePM1 50%(F7)	1	3949
VPM/VPR 240	ISO ePM10 >60%(M5)	1	39481
	ISO ePM1 50%(F7)	1	39491
VPM/VPR 360	ISO ePM10 >60%(M5)	2	39501
	ISO ePM1 50%(F7)	2	39511
VPM/VPR 480	ISO ePM10 >60%(M5)	2	3944
	ISO ePM1 50%(F7)	2	3946
VPM/VPR 560	ISO ePM10 >60%(M5)	2	3944
	ISO ePM1 50%(F7)	2	3946

Type		Qty	Product no.
VPM/VPR 700/800/1000	ISO ePM10 >60%(M5)	2	3913
	ISO ePM1 >50%(F7)	2	39042
VPM/VPR 1200/1500	ISO ePM10 >60%(M5)	3	3913
	ISO ePM1 >50%(F7)	3	39042
VPM/VPR 2200	ISO ePM10 >60%(M5)	6	3888
	ISO ePM1 >50%(F7)	6	3901
VPM/VPR 3200	ISO ePM10 >60%(M5)	8	3888
	ISO ePM1 >50%(F7)	8	3901

GENERAL TERMS OF DELIVERY

UNLESS OTHERWISE AGREED IN WRITING, Nilan A/S delivers their products as follows:

Quotations

All quotations are subject to confirmation in respect of price, quantity, delivery period, and the possibility of effecting delivery. Buyer's order shall be considered as accepted only after Nilan A/S has formally acknowledged it in writing.

Price adjustments and quantity variations

Nilan A/S reserve to themselves the right to adjust the price in the case of fluctuation in the exchange rate, rises in the price of materials, changes in the cost of labor, transport charges, tariff rates, Government interference or other circumstances beyond the control of Nilan A/S. Besides Nilan A/S shall be entitled to deviate plus/minus 10 per cent from the total quantities specified.

Retention of ownership

The goods shall remain the undisputed property of Nilan A/S until - whole sum owing has been paid. However, according to fair trading principles the purchaser shall be entitled to have the control of the goods.

Delivery estimates and liability

Any time or date for delivery is given and intended as an estimate. No liability is accepted by Nilan A/S for delays caused by strike, lockout, stoppage of work or the like or owing to Government measures, transport hindrances, including ice obstacles or breakdown of means of transportation, delayed or unsatisfactory delivery of materials ordered in due time, failing power supply or such production difficulties or other circumstances as are beyond the control of Nilan A/S. Cancellation of orders cannot be accepted unless a proviso on the subject has been included in a special agreement.

Reservation on technical specifications

Nilan A/S makes reservation in respect of any misleading information which might have been given in pamphlets, instructions, drawings, technical data and other specifications or oral technical service. The purchaser can in no way invoke the aforesaid material in support of a claim, if any.

Right to product modifications

Nilan A/S reserve the right to alter their products without

previous notice when the alteration does not affect their quality, performance or appearance. This also applies to products on order.

Guarantee and service obligations

Unless otherwise agreed in writing the purchaser takes over the guarantee and service obligations.

Liability for damages

In case of a delivery from Nilan A/S causing damage the liability for personal injury rests with Nilan A/S on condition that it is proved that the damage is caused by actions performed or failures made by Nilan A/S. Nilan A/S are not liable for damage to real or personal property. In no circumstances shall Nilan A/S be liable for consequential loss, loss of profit or any other indirect loss sustained. In case liability towards a third party is imposed on Nilan A/S, the purchaser is bound to indemnify Nilan A/S in so far as such a liability exceeds the limits stipulated above.

The purchaser is bound to have himself sued at the same court of law which tries cases concerning claims for damages against Nilan A/S on account of damages alleged to have been caused by a defect in one of the deliveries made by Nilan A/S.

Complaints and payment terms

Complaints, if any, shall be received by Nilan A/S not later than 8 days after the arrival of the goods. Complaints do not entitle the purchaser to disregard the terms of payment.

Interest on overdue payments

If terms of payment are exceeded interest of 2.00 per cent per month will be charged.

Dispute resolution

Disputes arising in consequence of the agreement and the conditions laid down herein shall be settled in accordance with Danish law and the local court of the district in which Nilan A/S are domiciled.

Severability clause

In event of a condition in these terms of business or a condition within the framework of another agreement being or becoming void, the validity of all other conditions or agreements shall not be affected by this.

Guarantee terms and conditions

Nilan offers a 2 year guarantee on all products from the documented date of installation. Please note that the guarantee does not cover damages or faulty functions resulting from the following:

1. The product has not been installed in accordance with the current instructions. Please see Nilan's installation instructions for the relevant product.
2. The product has been installed in a place where services cannot be carried out easily. If the product is difficult to access, Nilan disclaims all responsibility for any expenses this may result in.
3. Damages resulting from wear and tear, lack of maintenance or similar. The product has been connected to a temperature, voltage or pressure that differs from what is specified on the data plate.
4. Damages resulting from overvoltage, lightning strikes, fire, frost or leaking water and hidden water installations etc.
5. Damages resulting from lime scale, overpressure, dust, acidic/alkaline air or from boiling dry.
6. Damages to electrical components that have been exposed to dampness because the product has not been in normal operation.
7. Damages resulting from a lack of maintenance or check-ups of the product. Check-ups of the heat pump must be carried out in accordance with current legislation. The guarantee is no longer valid if the legally required check-ups have not been carried out. You must be able to provide documentation for the legally required check-ups at any time.
8. Expenses for start-up, for checks of the balance and for cleaning of the product.
9. Increased or added expenses in connection with work carried out during the weekend, on bank holidays or outside of normal working hours.
10. Losses such as production downtime, lost profits, operational losses, or other indirect losses and consequential damages are not covered.

If a claim falls under one of the points listed above, the job will be invoiced.

Storage fee and delayed delivery

Nilan reserves the right to charge storage fees if delivery is postponed at the buyer's request or cannot take place due to the buyer's non-payment. The storage fee is calculated from the originally agreed delivery date and amounts to 3.00 DKK per day for residential units and 15.00 DKK per day for commercial units.

Additionally, a fee of 120 DKK per stored unit will be charged.

The buyer is obligated to pay the storage fee and any handling costs together with all other amounts due as per the invoice. Nilan reserves the right, at its sole discretion, to store the goods at an external facility if deemed necessary. Any additional costs incurred as a result of external storage, including transport, handling, and storage fees, will be invoiced to the buyer.

The above terms apply unless otherwise agreed in writing between the parties. The buyer acknowledges that storage of the goods is at the buyer's expense and risk and that ownership of the goods will only transfer to the buyer upon full payment received by Nilan.



NILAN develops and manufactures premium-quality, energy-saving ventilation and heat pump solutions that provide a healthy indoor climate and low-level energy consumption with the greatest consideration for the environment.

In order to facilitate each step in the construction process - from choosing the solution through to planning, installation and maintenance - we have created a series of information material which is available for download at www.nilan.dk.

WWW.NILAN.DK

Visit us at www.nilan.dk to find out more about our company and solutions, download further information and find your nearest dealer.

