



MORE COMFORT, LESS ENERGY.



OUR HEAT PUMP
SOLUTIONS
industry/light
commercial and
residential building



Our solutions by destination

HEATING
for tertiary, light commercial application

- City hall
- Education: Nursery, school, college, university
- Offices, bank, restaurant, hotel
- Shops



HOT WATER
for industrial / food processing applications

- Heating water for industrial processes
- Washing and rinsing production tools
- Dairy, brewery, dryer



DOMESTIC HOT WATER
for commercial premises

- Sports hall / changing room, gymnasium
- Showers at the campsite, swimming pool
- Washing facilities in food preparation workshop



HEATING AND DOMESTIC HOT WATER
for collective residential

- Bed and breakfast, multi family house.
- Hotels
- Condominiums
- Large residences



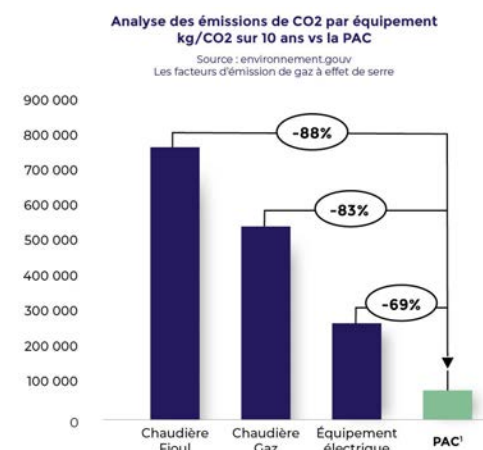
The positive impact of our solutions

CO₂ emissions by equipment

- Choosing a heat pump means taking a decarbonising approach. It emits between 83% and 88% less CO₂ than oil or gas boiler, thanks to its energy source and its more efficient SCOP.
- But choosing a heat pump is not enough: some are more efficient and virtuous than others, as is the case with intuitis.



+ more
information on
intuitis.fr

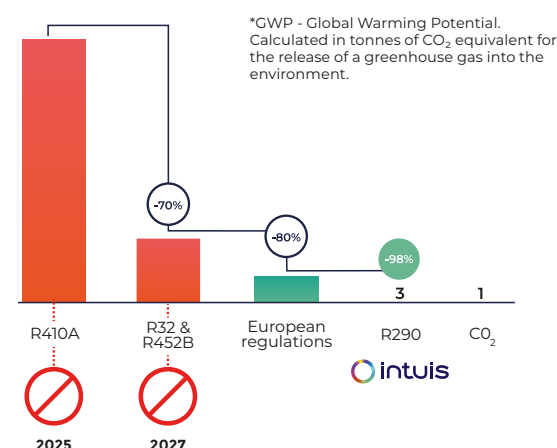


+ Environment

All **intuitis** thermodynamic solutions are equipped with **R290, a fluid not subject to F-GAS**. This innovative choice dates back nearly 15 years and ensures you sustainability in the face of the new European F-GAS regulations and their changes.



TO KNOW
MORE



• For your information, a leak of 1 kg of R410a is equivalent to the CO₂ emissions of a car over 13 000 km. A heat pump contains more than 2 kg of R410a. **Choosing HRC⁷⁰ heat pumps means making a responsible choice.**

- With its proven technology, it's the reliable, robust solution for all high-temperature projects requiring power.
- It is equipped with 2 high-efficiency compressors for power modulation.

+ Savings

• **Save energy** with our HRC⁷⁰ heat pumps. Take the HRC⁷⁰ 40kW, for example, which gives off up to 4.64⁽¹⁾ times more heat than it consumes in electricity, thanks to the free energy.

(1) COP of 4.64: Coefficient of Performance, ratio between energy returned and energy consumed.








Our complete range of solutions

Key points to remember

Our solutions are designed and manufactured directly in our factories in France. We have some fifteen years' experience in thermodynamics using R290 refrigerant.

HRC⁷⁰ HEAT PUMPS

Capacity in kW depending on pilot

Types of Pilot	Heat pump models	References related
	HRC ⁷⁰ 17kW mono	151433
	HRC ⁷⁰ 17kW tri	151439
	HRC ⁷⁰ 20kW tri	151449
	HRC ⁷⁰ 25kW tri	151459
	HRC ⁷⁰ 32kW tri	151461
	HRC ⁷⁰ 40kW tri	151476
	2 x HRC ⁷⁰ 20kW tri	151448
	2 x HRC ⁷⁰ 25kW tri	151453
	2 x HRC ⁷⁰ 32kW tri	151462
	3 x HRC ⁷⁰ 25kW tri	151456
	3 x HRC ⁷⁰ 32kW tri	151463
	HRC ⁷⁰ 80kW tri	151330
	2 x HRC ⁷⁰ 40kW tri	151310
	3 x HRC ⁷⁰ 40kW tri	151312
	2 x HRC ⁷⁰ 80kW tri	151331

17kW

30kW

40kW

50kW

100kW

150kW

200kW

HRC⁷⁰ - Z1 Single HP
from 17kW to 40kW



HRC⁷⁰ - Z1 Battery
from 40kW to 96kW



HRC⁷⁰ - Z2 Single HP & Battery
from 80kW to 160kW



GIALIX ELECTRIC BOILER

Capacity in kW, back-up solutions



	References related	2kW	6kW	12kW	16kW	24kW	36kW	48kW	72kW	80kW	120kW	149kW	196kW
Gialix 6 MT mono	132632												
Gialix 12 MT mono	132631												
Gialix 12 MT tri	132636												
Gialix 16 MT tri	132637												
Gialix 24 MA tri	132645												
Gialix 36 MA tri	131417												
Gialix 48 MA tri	131418												
Gialix 72 MA tri	131419												
Gialix 120 MA tri	131420												
Gialix 196 MA tri	131423												

DOMESTIC HOT WATER STORAGE TANKS

Capacity in liters



VS
300 to 3000 L

PEJ
200, 270 L

	Capacity V (liters)	References related	Q Primary nominal Qprim (m3/h)	Heat exchanger capacity at Tprim = 65°C, TEFS = 10°C, TECS = 40°C (kW)
PEJ	200	341111	1,5	21
PEJ	270	341106	1,5	29
VS	300	342148	3,0	24
VS	500	342149	3,0	33
VS	750	342150	3,0	62
VS	1000	342151	3,0	83
VS	1500	342152	3,0	103
VS	2000	342153	4,0	120
VS	2500	342154	4,0	139
VS	3000	342155	4,0	139

The strengths of our hydro pilots

- **Ideal for new build and renovation projects, small-scale collective housing and small-scale commercial buildings**
- Can be installed to replace an old boiler, without replacing the existing radiators.
- Multi-connections for all configurations
- **Multi-function solutions**
 - Decoupling of hydraulic circuits
 - Hybrid solutions if required
 - Compact design
 - Easy to install and program
- **Up to 3 heat pumps**
- **Up to 3 domestic hot water tanks or heating circuits⁽¹⁾**

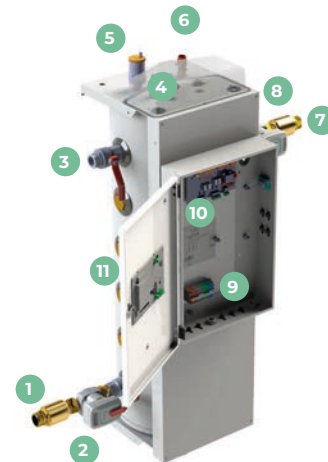
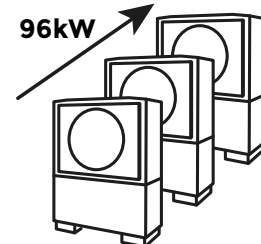
Z1 SINGLE HP & BATTERY

From 17 to 96kW

1"1/2 hydraulic connection + 1"1/4 valve

78L tank

10 Fittings (6 on the left, 4 on the right facing the pilot)



Z1 pilot diagram

- 1 Non-return valve
- 2 Heat pump water pump
- 3 Manual valve
- 4 Pressure sensor
- 5 Automatic air purge valve
- 6 Safety valve
- 7 Non-return valve
- 8 Distribution water pump
- 9 Power terminal
- 10 Main control board
- 11 78L multifunction tank

Z2 SINGLE HP & BATTERY

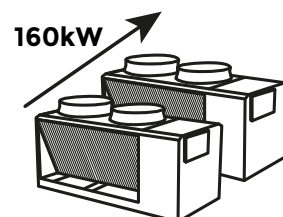
From 80 to 160kW

► 2"1/2 hydraulic connection with flange (x2 on each side)

► 1"1/2 hydraulic connection (x2 on each side)

200L tank

8 fittings



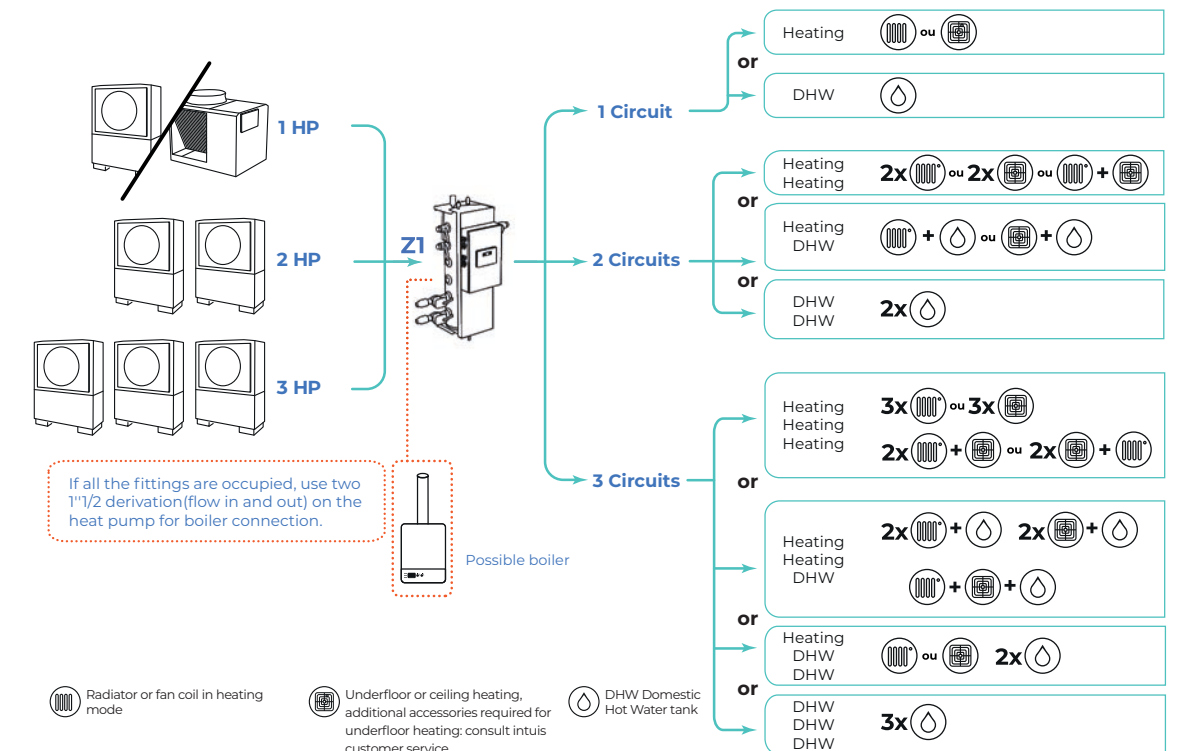
Z2 pilot diagram

- 1 Automatic air vent
- 2 Safety valve
- 3 Pressure sensor
- 4 Temperature sensor
- 5 200L multifunction cylinder
- 6 Shut-off valve
- 7 Drain valve
- 8 Connection terminal block
- 9 Circuit management card

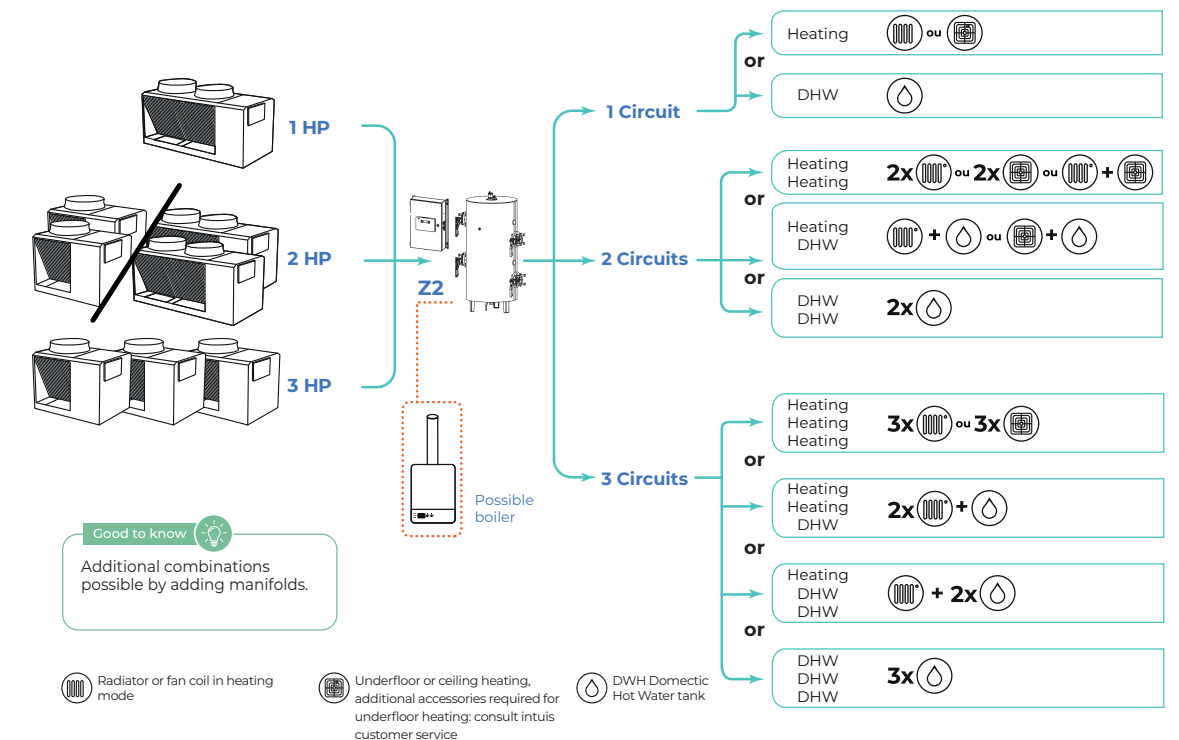
HRC⁷⁰ - Z1 or Z2 Single HP & Battery feeding 3 circuits

possible beyond that with intuis support

HRC⁷⁰ - Z1 SINGLE HP & BATTERY



HRC⁷⁰ - Z2 SINGLE HP & BATTERY



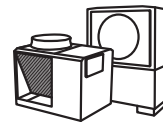
(1) For more information, please contact us



The advantages of our heat pumps



HRC⁷⁰ 17kW, 20kW, 25kW, 32kW



- Available in vertical design 17, 20, 25, 32kW
- Available in horizontal design 40 and 80kW



R290 Fluid

- HFC-free, not subject to F-GAS
- Monobloc: no refrigerant handling
- High temperature (70°C) means you don't need to change your existing radiator.



Single HP

- Easy installation
- Only hydraulic fitting
- Flexible pipe and filter kit included

HRC⁷⁰ 40kW



High performance

- COP 4.64, SCOP 35°C 3.9 and ETAS 35°C 153%⁽¹⁾
- 100% thermodynamic down to -20°C
- Dual scroll compressor
- Robustness and reliability



Discreet thanks to meticulous design

- Oversized fan blades, low-consumption motor, silent-block, vibration absorbing feet...

HRC⁷⁰ 80kW

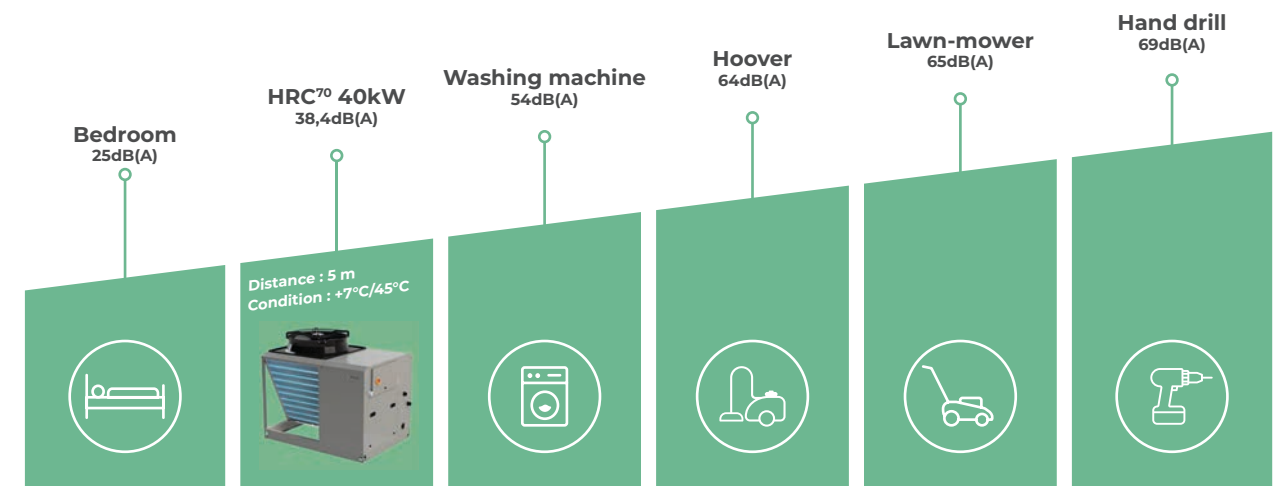
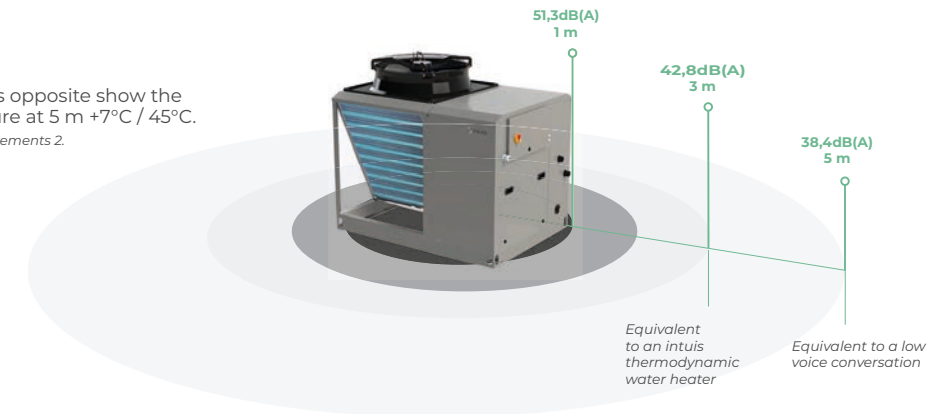


Ultra practical

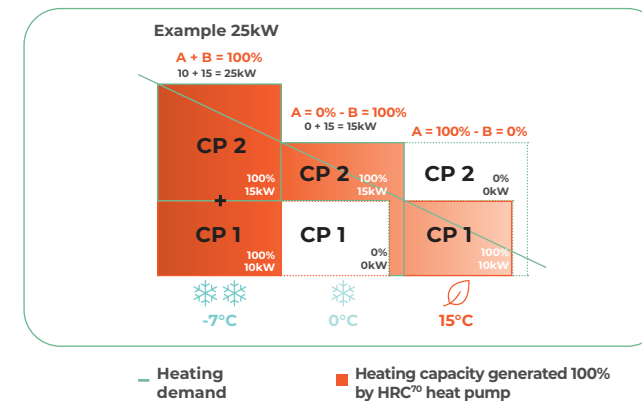
- Simplified maintenance, electrical and hydraulic only, filters included
- Robustness and longevity, anti-UV and anti-corrosion treatment, stainless steel heat exchanger.

Noise emission of HRC⁷⁰ 40kW

The diagrams opposite show the sound pressure at 5 m +7°C / 45°C.
Directivity measurements 2.



Operation of the heat pump compressors depending on heating demand



In mid-season, HRC⁷⁰ adjusts its capacity and temperature optimally.
In the core of winter, HRC⁷⁰ delivers its full capacity at high temperature to ensure comfort.



Diagram of an HRC⁷⁰ vertical design

- 1 Large-diameter, low-speed fan with aerodynamic blades and ultra-low-power motor
- 2 Reliable, easy-to-access electrical terminal box and simple to connect
- 3 Four adjustable anti-vibration feet
- 4 Two scroll compressors

(1) On the HRC⁷⁰ 40kW

Good practice during a worksite

The first stage consists of sizing the heating capacity and defining the architecture of the HRC⁷⁰ heat pump solution to meet the customer's needs. The choice of product location will determine the rest of the project. Consult our installation instructions for heat pumps and pilots beforehand.



1 - Sizing for heating capacity

- Make a thermal calculation of the heating needs at minimum air temperature.
- Select the heat pump capacity at design temperature.
- Select the heat pump size, cascade, and pilot according to the needs.



2 - Proceed with the installation

- Unclog the hydraulic circuit, as water quality is vital to the performance and safety of the installation (longevity).
- Fit the additional components needed for a good installation (positioning of filters sludge trap, drain point, expansion vessel, air purge at high point, etc.).



3 - Return the guarantee vouchers

- Return the documents supplied and completed as soon as the installation has been completed in order to trigger the guarantees, either by post or by e-mail.
- If you prefer, download our "intuis services pro" application to register your installation.
- Register your products on the Top intuis platform to benefit from the loyalty programme.

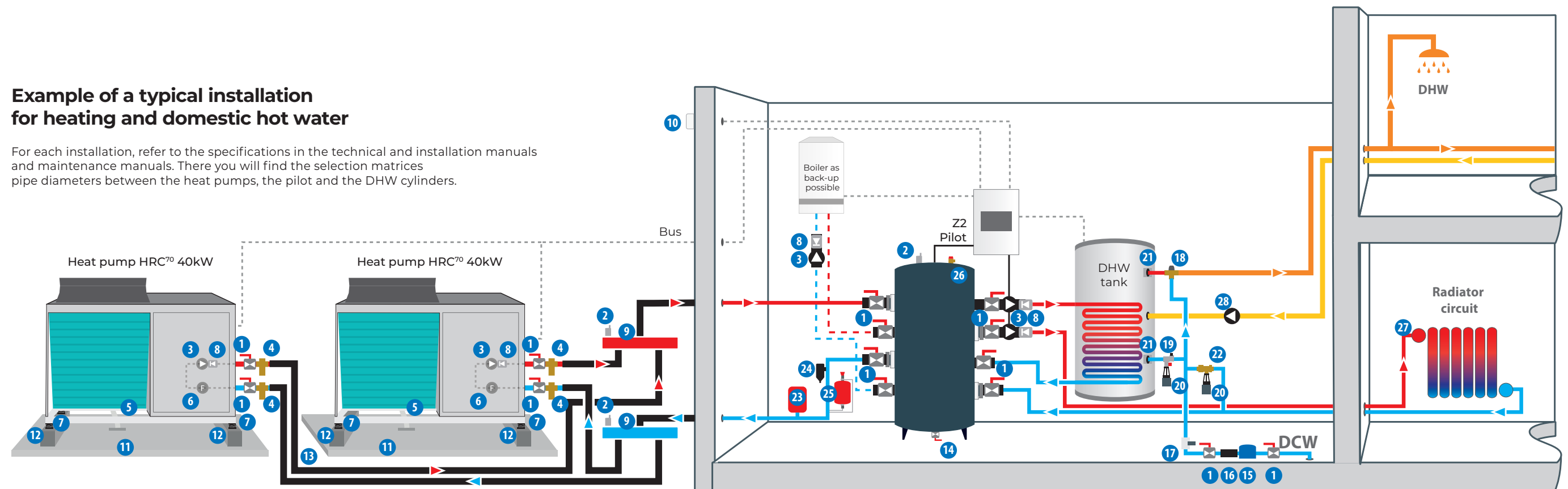


4 - Switch on

- Start up the equipment and then proceed to Commissioning. (If commissioning is carried out by a Technical Station Approved by intuis, you will benefit from an extended warranty if compliance is recognised and the maintenance protocol complies with the instructions.)
- Send the documents to our intuis technical department (sav@groupe-intuis.fr)

Example of a typical installation for heating and domestic hot water

For each installation, refer to the specifications in the technical and installation manuals and maintenance manuals. There you will find the selection matrices pipe diameters between the heat pumps, the pilot and the DHW cylinders.



- (1) **Shut-off valves:** used to isolate a generator or heating circuit during an intervention.
- (2) **Air purge:** remove air from the hydraulic system. Automatic air purge should always be installed at the top of the system.
- (3) **Circulators:** water flowing to the various circuits in the system.
- (4) **Anti-freeze valves**
- (5) **Condensate drain**
- (6) **Filtration:** prevents clogging of the heat exchanger.
- (7) **Anti-vibration support** - Spring
- (8) **Non-return valves**
- (9) **Collectors**
- (10) **Outdoor sensor**
- (11) **Concrete slab**
- (12) **Concrete extension**
- (13) **Insulating pipes and accessories.** This helps to reduce heat loss and improve the energy efficiency of the installation.

- (14) **Drain valve**
- (15) **Water meter**
- (16) **Anti-pollution valve**
- (17) **Water hammer arrester**
- (18) **Thermostatic mixing valve:** compulsory, it limits the DHW temperature to 50°C in toilet rooms.
- (19) **Sanitary safety group:** opens when the water heater pressure exceeds 7bars to prevent overpressure.
- (20) **Drain**
- (21) **Dielectric fittings** (compulsory if metal pipework)
- (22) **Filling backflow preventer:** Install a sewer-connected NF backflow preventer (in accordance with Standard NF EN 14367) to ensure compliance with current safety standards. It fills the heating circuit and prevents water from flowing back into the drinking water system.

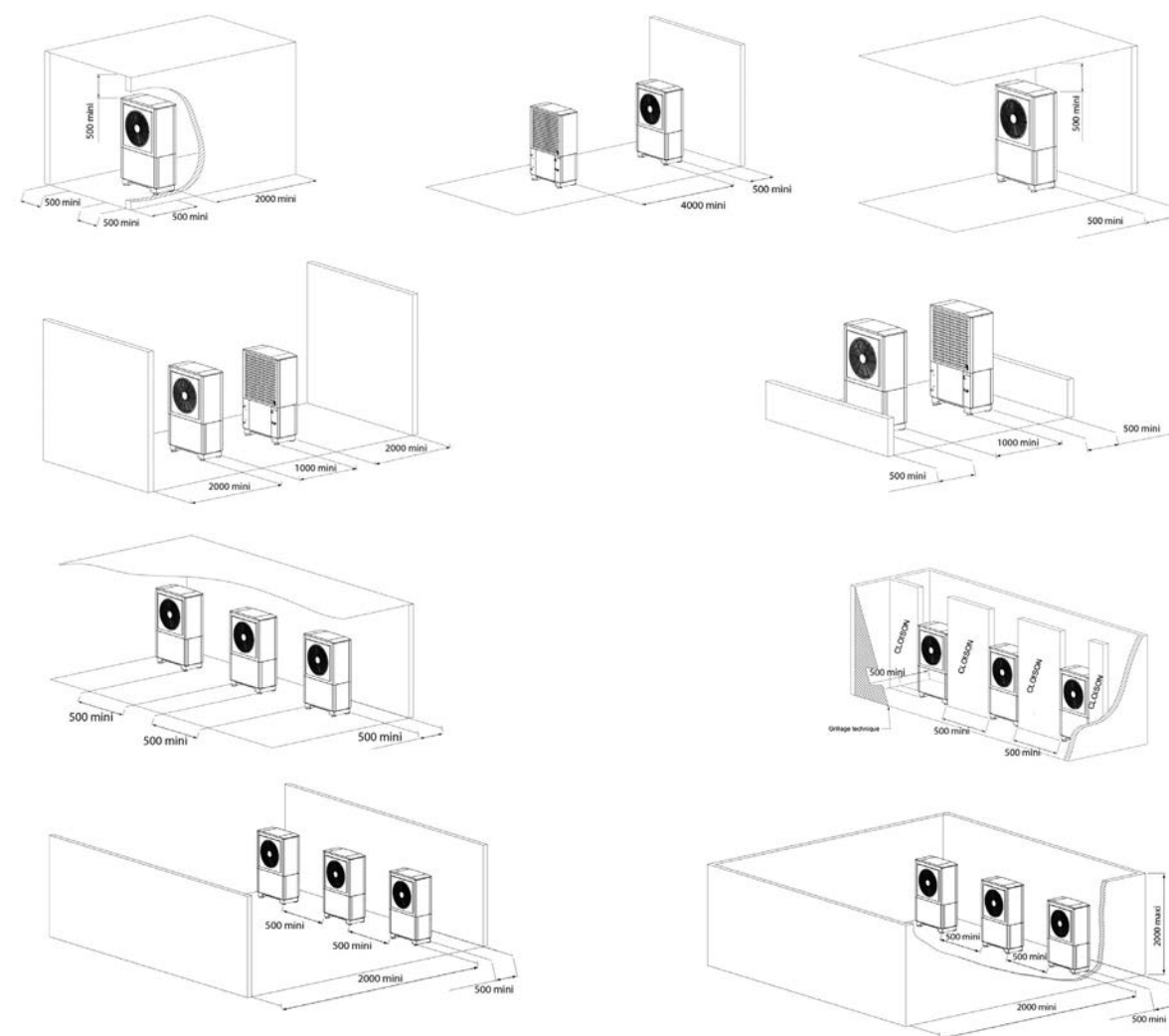
- (23) **Expansion vessel:** compensates for variations in water volume as a result of temperature variations. Its capacity must be sized according to the characteristics of the installation.
- (24) **Sludge decanter**
- (25) **Water sampling point / injection point and bottle**
- (26) **Safety valves:** located on the generator flow and at pilot level, they must open to the outside.
- (27) **Radiator bleeder**
- (28) **Domestic hot water circulation pump**



Layout configuration

In a room open to the outside or outdoors

Minimum distances to be observed when installing HRC⁷⁰ 17, 20, 25, 32kW heat pumps



General recommendations:

The air cooled by the heat pump must not be sucked back between several heat pumps or onto a single machine.

As the air is cooled, it will naturally stagnate at the bottom, so you need to provide sufficient space or install partitions to prevent air being sucked back in.

Good to know



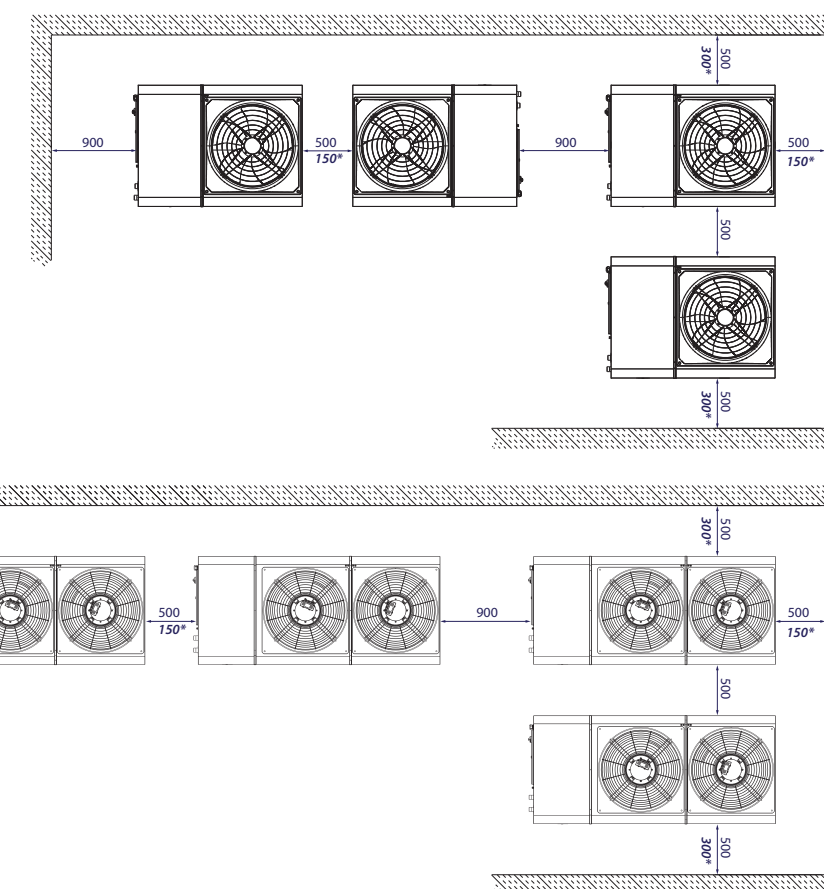
If the HRC⁷⁰ is ducted, a specific airflow study is required to ensure correct sizing.



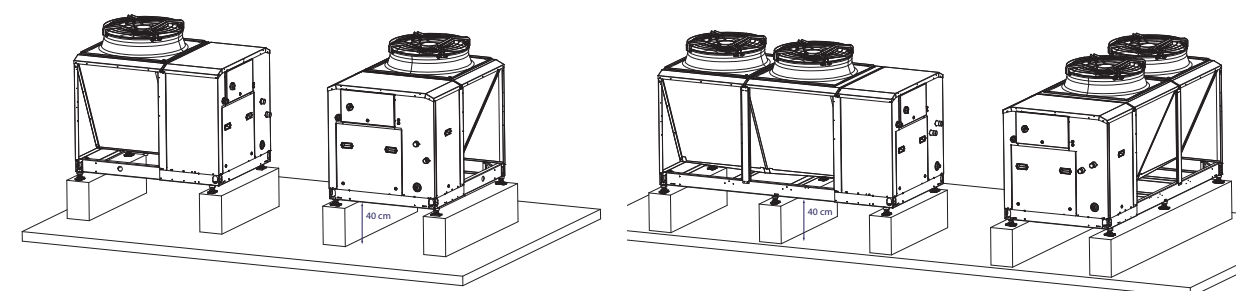
Minimum distances to be observed when installing HRC⁷⁰ 40 and 80kW heat pumps

- The heat pump is designed to be installed exclusively outdoors, leaving a clear space around the appliance in an area free from excessive dust. Under no circumstances should it be placed in a closed room without ventilation ensuring at least 80% of the heat pump's ventilation output.
- It is designed to operate in the rain, but can also be installed under a well-ventilated shelter (with a large opening to ensure air flow to the fan intake and outlet).
- The fan must be at least 1 m away from any obstacle.

The dimensions shown are the minimum distances recommended for working on the product. Dimensions marked with an asterisk are the minimum dimensions required for the system to operate correctly.



DTU roof waterproofing and acoustic uncoupling HRC⁷⁰ 40 and 80kW

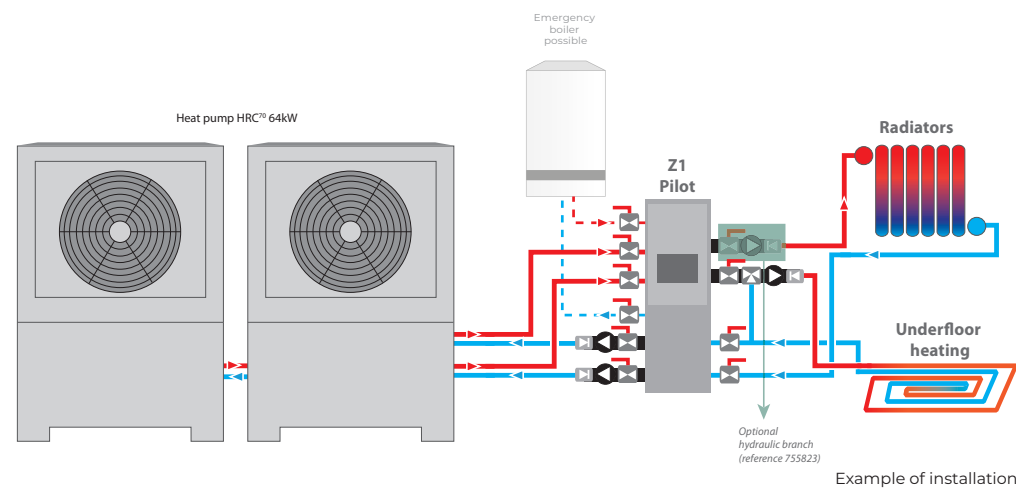


Examples of schematic diagrams by destination

HEATING for tertiary, light commercial application



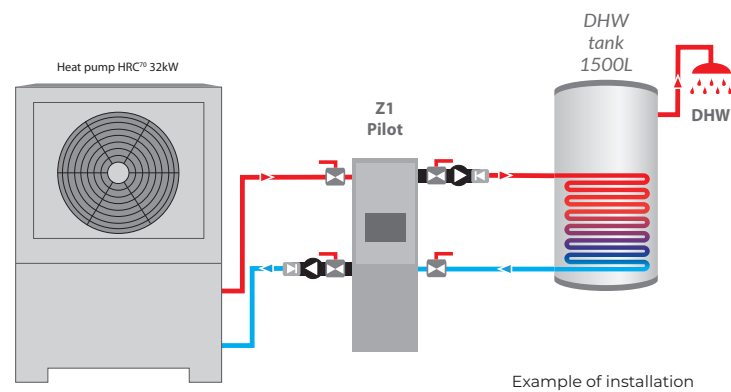
Heat pump:
Battery HRC⁷⁰ 64kW (2 x 32kW)
Pilot:
Z1 BATTERY
Number of circuits:
2
Heating of 1 to 3 circuits possible (please contact us for more)



DOMESTIC HOT WATER for commercial premises



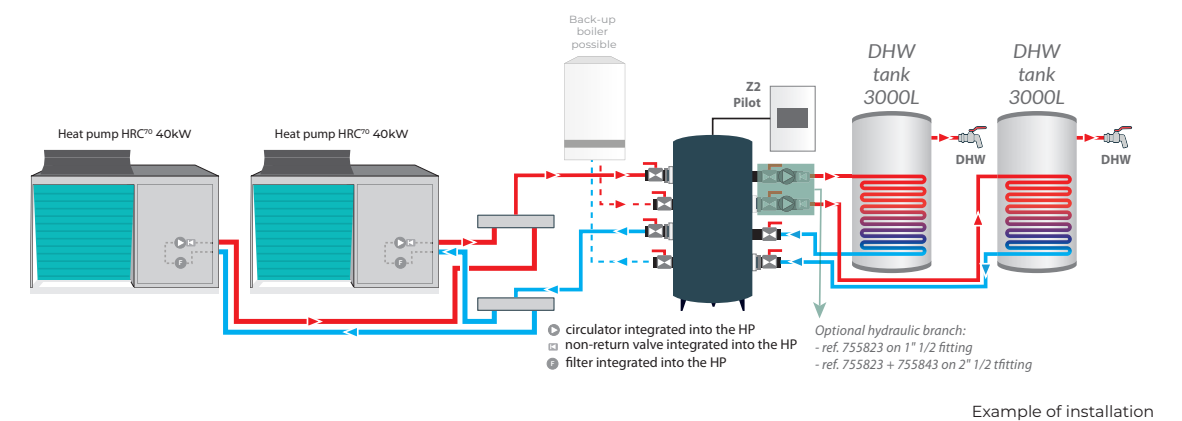
Heat pump:
HRC⁷⁰ 32kW
Pilot:
Z1 SINGLE HP
Number of circuits:
1
DHW from 1 to 3 circuits possible (please contact us for more)



HOT WATER for industrial / food processing applications



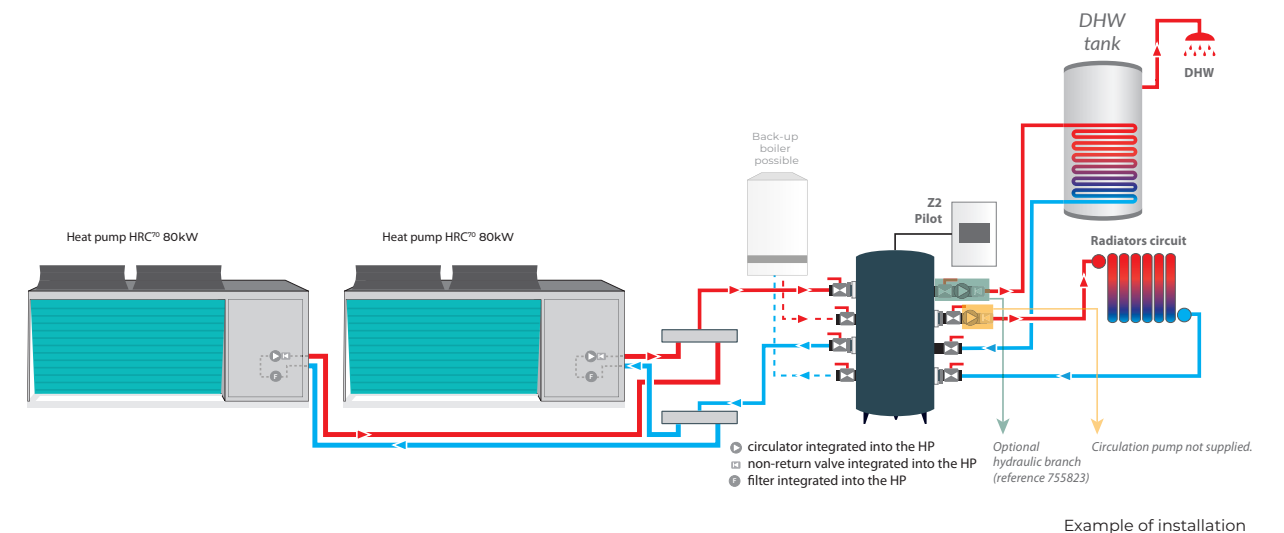
Heat pump:
Battery HRC⁷⁰ 80kW (2 x 40kW)
Pilot:
Z2 BATTERY
Number of circuits:
2
DHW from 1 to 3 circuits possible (please contact us for more)



HEATING AND DOMESTIC HOT WATER for collective residential



Heat pump:
Battery HRC⁷⁰ 160kW (2 x 80kW)
Pilot:
Z2 BATTERY
Number of circuits:
2
Heating + DHW from 1 to 3 circuits possible (contact us for more)





Heat pump and pilot characteristics

Heat pump characteristics
17, 20, 25, 32, 40 and 80kW



Heat pump		HRC ⁷⁰ 17kW/m	HRC ⁷⁰ 17kW/t	HRC ⁷⁰ 20kW/t	HRC ⁷⁰ 25kW/t	HRC ⁷⁰ 32kW/t	HRC ⁷⁰ 40kW/t	HRC ⁷⁰ 80kW/t
References		151433	151439	151449	151459	151461	151476	151330
Energy class 35°C/55°C		A++/A++	A++/A++	A++/A++	A++/A+	A++ / A+	A++ / A++	A+ / A+
SCOP 35/55°C		3,85/3,2	4,2/3,19	4,18/3,3	3,83/3,04	3,85/3,09	3,9/3,25	3,52 / 2,96
Seasonal efficiency 35°C/55°C - ETAS (η _s)	%	151%/125%	165%/125%	164%/129%	150%/119%	151% / 121%	153% / 127%	138% / 115%
Maximum heating capacity at -7°C/35°C	kW	14	14	15,5	18,5	23	30	54
Maximum heating capacity at -7°C/65°C	kW	12	12	14,5	17,5	20,5	27,5	51,5
Maximum heating capacity at +7°C / 35°C	kW	17	17	20	23,5	30	36,5	76
Nominal heating capacity at +7°C/35°C (EN14511)	kW	7,8	7,9	10,9	10,9	13,54	20,25	45,92
COP at +7°C/35°C nominal (EN14511)	-	4,4	4,9	4,6	4,6	4,57	4,64	4,24
Nominal sound pressure level (at 5m directivity 2)	dB(A)	37,3	37,3	39,2	38,8	41,8	38,4	39,5
Power level (ERP +7°C/55°C)	dB(A)	66	66	67	72	70	60,5	71
Outside air range	°C	-20 à +40	-20 à +40	-20 à +40	-20 à +40	-20 à +40	-20 à +40	-20 à +40
Power supply	V	230	400	400	400	400	400	400
Protective circuit breaker	A	40 single-phase	16 tetrapolar	16 tetrapolar	20 tetrapolar	32 tetrapolar	32 tetrapolar	63 tetrapolar*
Circuit-breaker curve	-	D	D	D	D	D	D	D
Maximum electrical power	kVA	7,5	7,5	9,5	11,5	14,5	17,6*	43,1*
Power regulation mode	-	Stepped fixed speed 2 compressors						
Power stages	-	3	3	2	3	3	2	2
Smart starter	-	Yes	No	No	Yes	Yes	Yes	Yes
Minimum power cable cross-section	mm²	3G 10 mm²	5G 4 mm²	5G 4 mm²	5G 6 mm²	5G 6 mm²	5G 6 mm²	5G 16 mm²
Dimensions (HxWxD)	mm	1713 x 1035 x 561	1713 x 1035 x 561	1713 x 1035 x 561	1713 x 1035 x 561	1713 x 1235 x 561	1545 x 1630 x 1200	1545 x 2700 x 1200
Weight without water	kg	219	214	226	228	270	425	645
Nominal water flow	L/h	2000	2000	2450	3000	3750	4700	11000
Refrigerant	kg	R290 / 0,9	R290 / 0,9	R290 / 0,9	R290 / 0,9	R290 / 1,4	R290 / 3,2	R290 / 4,5
Hydraulic connection	mm	26/34 male	26/34 male	26/34 male	26/34 male	33/42 male	40/49 male	40/49 male
Associated pilot	-	Z1	Z1	Z1	Z1	Z1	Z1	Z2
Heat pump circulating pump		included as standard	included as standard	included as standard	included as standard	included as standard	included as standard	included as standard
Heating and DHW circulating pump		included as standard	included as standard	included as standard	included as standard	included as standard	included as standard	optional

The hydraulic branch ref. 755823 for 1 heating circuit (or DHW circuit) is supplied as standard for all references fitted with a Z1 single HP pilot. This hydraulic branch delivers a flow rate of 5m3/hr for a pressure difference of 5 m of water column, corresponding to an equivalent power of 40kW. Beyond this, the heating circulation pump and/or DHW storage tank must be sized according to requirements (flow rate and pressure drop).

Heat Pump Battery characteristics



Heat pump		HRC ⁷⁰ 40kW Battery (2x20)	HRC ⁷⁰ 50kW Battery (2x25)	HRC ⁷⁰ 64kW Battery (2x32)	HRC ⁷⁰ 75kW Battery (3x25)	HRC ⁷⁰ 96kW Battery (3x32)
References		151448	151453	151462	151456	151463
Energy class 35°C/55°C		A++ / A++	A++ / A+	A++ / A+	A++ / A+	A++ / A+
SCOP 35°C/55°C		4,18/3,3	3,83/3,04	3,85/3,09	3,83/3,04	3,85/3,09
Seasonal efficiency 35°C/55°C - ETAS (η _s)	%	164% / 129%	150% / 119%	151% / 121%	150% / 119%	151% / 121%
Maximum heating capacity at -7°C/35°C	kW	31	37	46	55,5	69
Maximum heating capacity at -7°C/65°C	kW	29	35	41	52,5	61,5
Maximum heating capacity at +7°C / 35°C	kW	40	47	60	70,5	90
Max. total installed electrical power	kVA	19	23	29	34,5	43,5
Total power stages		4	6	6	9	9
Associated pilot	-	Z1	Z1	Z1	Z1	Z1
Heat pump circulating pump	-	Hydraulic branch supplied as standard				
Heating and DHW circulating pump	-	optional ref. 755823 or other not supplied				

Heat Pump Battery characteristics



Heat pump		HRC ⁷⁰ 80kW Battery (2x40)	HRC ⁷⁰ 120kW Battery (3x40)	HRC ⁷⁰ 160kW Battery (2x80)
References		151310	151312	151331
Energy class 35°C/55°C		A++ / A++	A++ / A++	A+ / A+
SCOP 35°C/55°C		3,9/3,25	3,9/3,25	3,52 / 2,96
Seasonal efficiency 35°C/55°C - ETAS (η _s)	%	153% / 127%	153% / 127%	138% / 115%
Maximum heating capacity at -7°C/35°C	kW	60	90	108
Maximum heating capacity at -7°C/65°C		55	82,5	102
Maximum heating capacity at +7°C / 35°C	kW	73	109,5	152
Max. total installed electrical power	kVA	35*	52,8*	86,2*
Total power stages	-	4	6	4
Associated pilot	-	Z2	Z2	Z2
Heat pump circulating pump	-	Hydraulic branch supplied as standard		
Heating and DHW circulating pump	-	optional ref. 755823 + 755843 or other not supplied		

Pilots characteristics



Pilots		Z1	Z2
Minimum power cable cross-section	mm²	3G 2.5 (mono)	3G 1,5 (mono)
Power protection circuit breaker	A	10 (mono)	2 (mono)
Circuit-breaker curve	-	C	C
Power supply	V	230 (mono)	230 (mono)
Multifunction tank	L	78	200
Pilot dimensions (HxWxD) / Pilot empty weight	mm/kg	1512 x 410 x 526 / 50	Wall box: 629 x 455 x 171 / 9 Cuve : 1422 x 775 x 600 / 81
Hydraulic connections	mm	10 x 40/49 male**	4 x 66/76 and 4 x 40/49
Auxiliary boiler connection	-		
Electric heater (optional)	kW	0/2/4/6kW (mono or tri)	-
Decoupling circuits	-		

* Without jacketed heat pump.

* Without jacketed heat pump. ** taking into account the hydraulic branch.

Technical drawings of the ECH 10000 unit showing front, top, and side views with dimensions.

- Front View:** Shows a square unit with a width of 490 mm and a height of 1713 mm. The base has a width of 561 mm.
- Top View:** Shows a square unit with a width of 1035 mm and a height of 875 mm. The base has a width of 80 mm.
- Side View:** Shows the unit's profile with a height of 1713 mm. The base has a width of 190 mm. The unit is shown with a grid pattern on the front panel. Labels indicate "Outlet heating" and "Inlet heating" ports. The distance from the bottom to the heating ports is 329 mm. The distance from the bottom to the heating ports is 251 mm. The distance from the bottom to the heating ports is 155 mm. The distance from the bottom to the heating ports is 190 mm.

[illegible]

Technical drawings of the Z1 pilot stand showing front, top, and side views with dimensions:

- Front View:** Dimensions include a total width of 566, a main body width of 421.2, and a side panel width of 175. The height is divided into three sections: 175, 350, and 175.
- Top View:** Shows a square footprint with a side length of 410.
- Side View:** Shows a total height of 1400. The distance between the five horizontal mounting slots is 175. A label '10x 1" 1/2 Gaz cyl' points to the top connection. The base height is 508 +25 -0.
- Front View (Right):** Shows a total height of 1234. The distance between the five horizontal mounting slots is 1885 +25 -0. The base height is 508 +25 -0.

The heating pump hydraulic branch is supplied as standard with the Z1 pilot only for the single-pump reference

Z1 pilot stand for floor mounting optional
ref: 754650



Heater tanks

Domestic Hot Water tank

PEJ



PEJ 200

PEJ 270

Vertical and floor-mounted DHW heating tank

- ▶ Stainless steel tank
- ▶ Coil heat exchanger in stainless steel
- ▶ 2-year parts and 3-year tank warranty



DHW



100% Stainless Steel



Warranty
2 years parts
and 3 years tank



VS range DHW cylinders

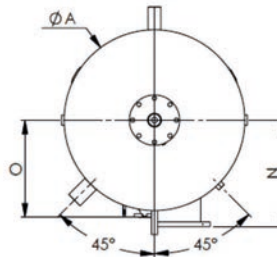
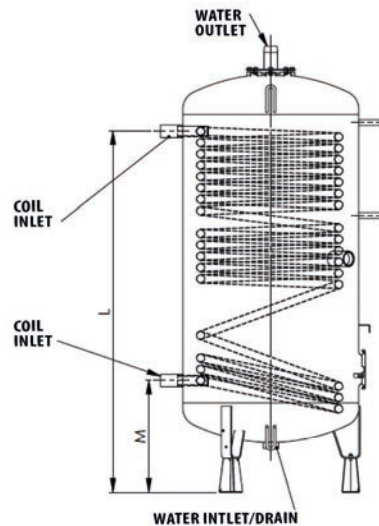
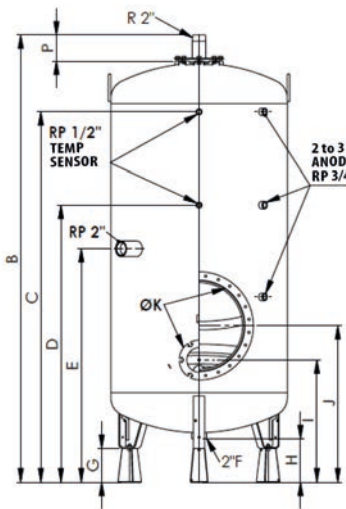
RM1 range - TP single coil



Warranty
2 years parts
and 3 years tank

Vertical and floor-mounted DHW heating tank

- ▶ Wide range from 300 to 3000L
- ▶ Its oversized heat exchanger improves the performance of the heat pump
- ▶ Reinforced M1 insulation at the cup of the tank
- ▶ Also available in a low size version with M4 insulation (consult your intuis contact)



Domestic Water Tank

Designation	Energy class & ETAS 35°/55°C	Dimensions	Heating capacity (kW)*	Volume (L)	Reference
Floor-standing or wall-mounted vertical - stainless steel tank					
PEJ 200 (floor - stainless steel)	C	Ø 630 x 1040	29/21	200	341111
PEJ 270 (floor - stainless steel)	C	Ø 630 x 1382	41/29	270	341106

*Primary 80°C/65°C (80°C: boiler application; 65°C: high-temperature heat pump application) - Secondary 10-40°C

Water tank accessories

Designation	Reference
3/4" DHW thermostatic mixing valve	769003
DHW / pool / cascade sensor	710029

	References	Designation	Volume	Class energy class	Heating capacity kW	Ø A (mm)	Elevation (mm)														Heat exchanger surface (m²)	Weight with insulation (kg)
							B	C	D	E	G	H	I	J	K	M	N	O	P			
Water loop heating tank and storage tanks	342148	VS 300L RM1 TP - with 150mm raised feet (floor - enamelled)	300 L	C	45/33	630	1498	1155	807	807	150	206	525	-	110	472	-	330	114	1,6	147	
	342149	VS 500L RM1 TP - with 150mm raised feet (floor - enamelled)	500 L	C	85/62	630	2095	1752	1332	1108	150	206	525	-	110	472	-	330	114	3	177	
Tanks preparers	342150	VS 750 RM1 TP - with 150mm raised feet	750 L	NS	114/83	790	2007	1662	1246	1050	150	196	551	704	110 or 400	501	465	425	114	4	256/295	
	342151	VS 1000 RM1 TP - with 150mm raised feet	1000 L	NS	141/103	790	2356	1981	1245	1245	150	196	551	704	110 or 400	502	465	425	114	5,2	326/362	
	342152	VS 1500 RM1 TP - with 200mm raised feet	1500 L	NS	148/108	1100	2187	1745	1380	1150	200	212	650	803	110 ou or	605	620	580	113	5,6	458/500	
	342153	VS 2000 RM1 TP - with 200mm raised feet	2000 L	NS	165/120	1100	2371	1888	1380	1244	200	212	650	803	110 or 400	605	620	580	113	5,6	489/531	
	342154	VS 2500 RM1 TP - with 200mm raised feet	2500 L	NS	190/139	1400	2243	1730	1208	1208	200	212	730	883	110 ou 400	685	730	730	110	7	636/678	
	342155	VS 3000 RM1 TP - with 200mm raised feet	3000 L	NS	190/139	1400	2372	1808	1208	1208	200	212	730	883	110 or 400	650	730	730	110	7	658/700	

Back-up electric boilers

GIALIX

Modulating wall-mounted electric boiler with cast iron heating element.



Cast iron heating element
guaranteed for up to 20 years

Durability, simplicity, efficiency

► The judicious choice of components and its intelligent design make it a perfectly reliable boiler.



"Cast iron for the most efficient electric boiler".

Gialix 6 to 24kW electric boiler

Designation	Energy class	Adjustable power by setting parameters (kW)	Voltage	Minimum power cable cross-section (mm²)	Circuit breaker protection (A)	Outdoor sensor	DHW sensor	Reference
Wall-mounted electric boilers for new buildings and small homes								
Electronic control with outdoor sensor								
Gialix 6 MT mono	D	2-4-6	230V single phase	6	32	optional	optional	132632
Gialix 12 MT mono	D	2-4-6-8-10-12	230V single phase	16	63	optional	optional	132631
Gialix 12 MT tri	D	2-4-6-8-10-12	400V threephase	4	25	optional	optional	132636
Gialix 16 MT tri	D	2,7-5,3-8-10,7-13,3-16	400V threephase	6	32	optional	optional	132637
Gialix 24 MA tri	D	4, 8, 12, 16, 20, 24	400V threephase	10	50	optional	optional	132645

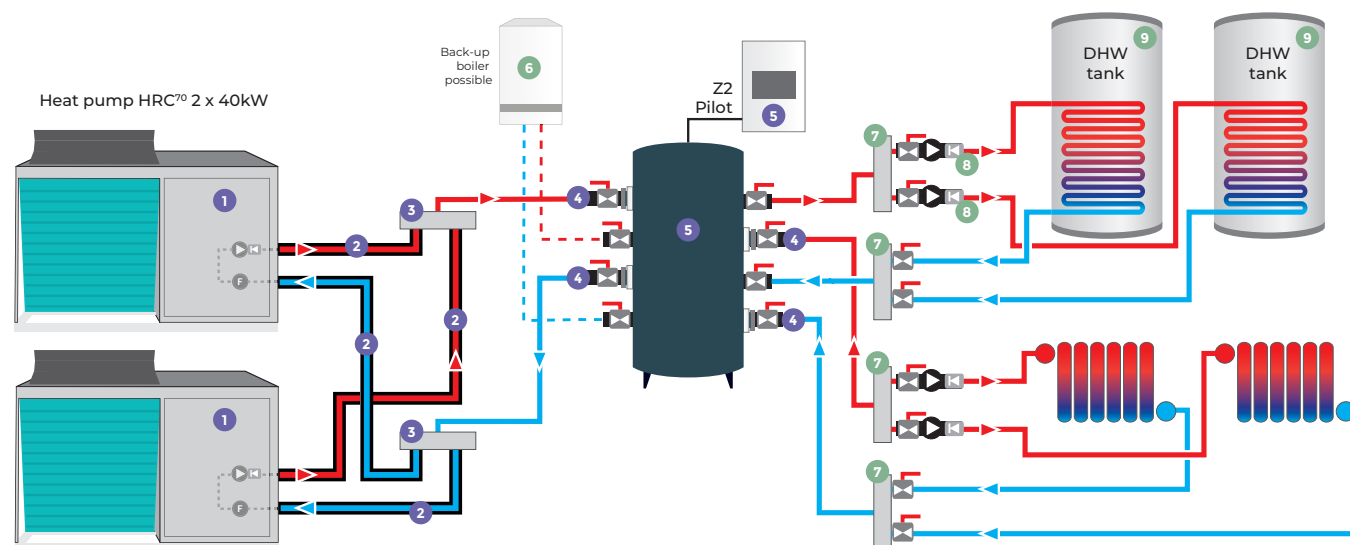
Gialix 36 to 196kW electric boiler

Designation	Energy class	Adjustable power by setting parameters (kW)	Voltage	Minimum power cable cross-section (mm²)	Circuit breaker protection (A)	Reference
Commercial wall-hung electric boilers - not hydraulically equipped (steel heating element)						
Electronic control with outdoor sensor						
Gialix 36 MA tri	D	24 - 36	400V-tri	16	80	131417
Gialix 48 MA tri	D	36 - 48	400V-tri	25	100	131418
Gialix 72 MA tri	NS	48 - 72	400V-tri	35	125	131419
Gialix 120 MA tri	NS	96 - 120	400V-tri	70	250	131420
Gialix 196 MA tri	NS	140 - 196	400V-tri	120	400	131423

(1) OFC: For Gialix 6 MT, 12 MT, 16 MT and 24 MA.

Composition of an installation

Element details



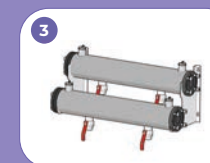
Included as standard in reference 151310



1
HRC⁷⁰ 2 x 40kW
with filter, non-return valve
and circulators



2
Hydraulic connection kit



3
Collectors
Flow cross-section 2"1/2
Tapping diameter 1"1/2



4
2"1/2" flanged valve
to isolate the tank from
the pilot

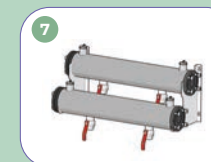


5
Z2 pilot, 200L tank,
remote control box

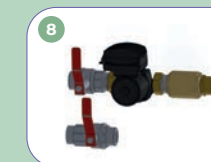
Optional accessories



6
Ref. 131417
Back-up boiler
Gialix 48 MA



7
Ref. 755815, 755816, 755817, 755818
Hydraulic accessory See
p. 27



8
Ref. 755823
Hydraulic branch
Valve assembly, non-return
valve, pump, only on 1"1/2 sleeve



9
Ref. 342153
DHW cylinder
VS 2000 RM1 TP

Commercial references including: Heat pump + Pilots + Hydraulic connection + Manifold + Valve, supplied with

Heat pump	HRC ⁷⁰ 17kW/m	HRC ⁷⁰ 17kW/t	HRC ⁷⁰ 20kW/t	HRC ⁷⁰ 25kW/t	HRC ⁷⁰ 32kW/t	HRC ⁷⁰ 40kW/t	HRC ⁷⁰ 80kW/t
Associated part numbers Z1 single HP	151433	151439	151449	151459	151461	151476	-
Associated part numbers Z2 single HP	-	-	-	-	-	-	151330
Associated part numbers Z1 battery	-	-	2x20 : 151448	2x25 : 151453 3x25 : 151456	2x32 : 151462 3x32 : 151463	-	-
Associated part numbers Z2 battery	-	-	-	-	-	2x40 : 151310 3x40 : 151312	2x80 : 151331

Good to know



The hydraulic branch Ref. 755823 is available as an option to ensure circulation in the circuit connected to the 1"1/2 sleeve and to the 2"1/2 flange (with the addition of Ref. 755843) if the flow/pressure characteristics of the circuits allow (max. 5m³/h over 5m of water column).

For a higher flow rate on the main 2"1/2 circuit, a pump (not supplied) must be selected according to the heating characteristics and flow rate requirements.

Check that these water circulators are powerful enough for the radiator circuits at the time of sizing.

PAC accessories and Z1 & Z2 battery pilots

CIRCUIT CONTROL



Ref. 710158
Valve flow sensor
3-way for Z1



Ref. 752202
Sanitary aquastat



Ref. 751009
Room sensor
with display
(only for 1 circuit)



Ref. 770001
TH RNC/2 radio: non-
chronoproportional
wireless room thermostat



Ref. 710029
DHW / pool / cascade
sensor

CONNECTIVITY



Ref. 730078
PAC modbus kit



Ref. 770002
Thermo-Net Gateway

OUTDOOR UNIT



Ref. 753102
Shielded 2-wire
cable lg 20m



Ref. 754103
Shielded 2-wire
cable lg 50m

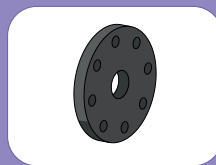


Ref. 751004
External defrost
for HRC

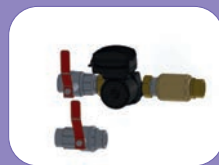


Ref. 754208
40m DN30 flex. pipe

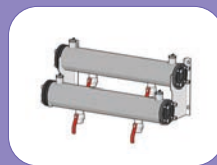
HYDRAULIC ACCESSORIES AND PILOTS



Ref. 755843
Flange DN65
tapped DN40



Ref. 755823
Hydraulic branch
auto 25-125-130



Ref. 755815
Flow cross-section 2 1/2
2 fittings 1 1/2



Ref. 755816
Flow cross-section 2 1/2
3 fittings 1 1/2



Ref. 754650
Z1 Pilot floor stand

FLOOR HEATING MANAGEMENT



Ref. 710111
Underfloor heating
temperature limiter 65°C
manual reset



Ref. 411002
Thorix evolution 1C -
1 mixed circuit + outdoor
sensor (integrated LTP)

Heat pump accessories

Designation	HRC	Reference
External defrost cable for HRC	✓	751004
2-wire shielded cable lg 20m PAC/pilot (replaces the 10m cable supplied as standard)	✓	753102
2-wire shielded cable lg 50m PAC/pilot (replaces the 10m cable supplied as standard)	✓	754103
Crown 40m DN 30 flexible pipe	✓	754208
4 fittings DN30	✓	754210
Rubber foot kit lg 600mm for HRC 40kW	✓	754603
Rubber foot kit lg 1000mm for HRC 80kW	✓	754604
Springs kit for HRC 40kW	✓	754605
Springs kit for HRC 80kW	✓	754606

Pilots accessories

Designation	Z1 PILOT	Z2 PILOT	Reference
Room sensor with display + 2% on ETAS value	Circuit 1 only	Circuit 1 only	751009
TH RNC/2 radio: Non-chrono-proportional wireless room thermostat* + 2% on ETAS value	✓	✓	770001
DHW / pool / battery sensor	✓	✓	710029
Sanitary aquastat	✓	✓	752202
Domestic hot water tanks	✓	✓	(See price list)
Manual reset 65°C underfloor heating temperature limiter with wiring harness	✓	✓	710111
Modbus kit - CET/PAC	✓	✓	730078
Check valve 1" F / F (only required for domestic boiler back-up)	✓	✓	710118
Thorix ÉVOLUTION 1C - 1 mixed circuit + outdoor sensor 2nd circuit at lower temperature	✓	-	411002
Flow sensor 3-way valve	✓	✓	710158
Electric booster 6kW (230/400V)	✓	-	754105
Z1 pilot stand for floor mounting	✓	-	754650
Hydro auto branch 25-125-130	✓	✓ Secondary circuit	755823
DN65 flange with DN40 thread for connecting the hydraulic branch ref 755823 to the Z2 main outlet	-	✓	755843

* Compatible with all commercially available non-chrono-proportional connectable thermostats.

⚠ The hydraulic branch ref. 755823 offered as an option has a flow rate of 5m³/hour for a pressure difference of 5 meters of the water column, corresponding to an equivalent power of 40kW. Above this, the heating circulation pump and/or DHW storage tank must be sized to meet the requirements (flow rate and pressure drop).

Hydraulic accessories

Designation	Cross-section	Number of stitches	Tapping diameter	Reference
Collector 2.2	2 1/2	2	1 1/2	755815
Collector 2.3	2 1/2	3	1 1/2	755816
Collector 4.2	4"	2	2"	755817
Collector 4.3	4"	3	2"	755818



MORE COMFORT, LESS ENERGY.

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Guarantees



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