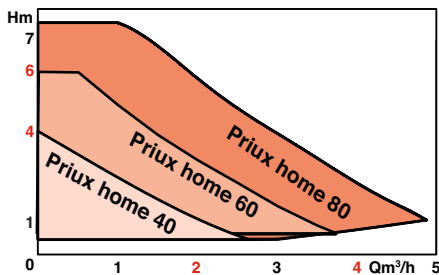


OPERATING RANGE

Flow rate of up to	5 m ³ /h
Manometric head of up to	8 mWC
Max. operating pressure	6 bar
Min. suction pressure	0,3 bar at 95°C
Temperature range	-10°C at 95°C
Max. ambient temperature	+40°C
EEl-Part 2	≤0,20

The reference criterion for the most efficient circulating pumps is $EEl \leq 0,20$



BENEFITS

- Completely interchangeable with existing models
- Simplified settings
- Easy replacement
- Installation and maintenance
- Energy savings
- Noise control

PRIUX HOME

High-efficiency circulating pumps Heating – Air conditioning 50 Hz

APPLICATIONS

For the accelerated circulation of hot water and iced water in the heating and air-conditioning circuits of single-family houses.

- New and old systems (renovation – extension)

- Installations with and without thermostatically controlled valves
- Installations with radiators and underfloor heating systems
- Thermosiphon-type installations



• Salmson connector

PRIUX HOME

DESIGN

• Hydraulic part

-Single housing with threaded port for direct fitting onto pipework.

• Motor

-Single-phase, glandless, shaft bearings lubricated by the pumped fluid.

-Synchronous motor with ECM (Electronically Commuted Motor) technology, equipped with a permanent magnet rotor. The magnetic field rotating around the stator is created by the electronic commutation of the coils.

Protection class:	IP X2D
Max. temperature of the conveyed fluid:	TF 95
EMC compliance:	- 61000-6-1 - 61000-6-2 - 61000-6-3 - 61000-6-4

IDENTIFICATION

Priux home 4 0 - 25 / 180

High-efficiency pump

Residential application

TDH at 0 m³/h

DN (nominal diameter) of ports:

Port-to-port distance of pump housing

BASIC CONSTRUCTION

Main parts	Material
Pump housing	Cast iron
Impeller	Composite material
Shaft, jacket and air gap	Stainless steel
Suction ring	Stainless steel
Shaft bearings	Graphite
Gasket	Ethylene-propylene

BENEFITS

• Energy savings

-Conforms to the European Directive: E rP 2013 and ErP 2015.

-Energy savings of up to 90% compared to old-generation circulating pumps.

-Minimum consumption: 4 watts.

-Display of current consumption.

• Noise control

-Elimination of whistling and hydraulic noises thanks to electronic speed variation.

• Completely interchangeable with existing models

-3 sizes of motors: 4 m, 6 m and 8 m.

-Two types of port-to-port distances: 130 and 180 mm.

-All types of connections: 1", 1 1/2" and 2".

• Simplified settings

-Just one setting dial.

-LED display of the manometric head.

-Choice of regulation mode according to the installation.

• Easy replacement

-Markings for selecting the manometric head.

• Installation and maintenance

-Requires less space.

-Salmson connector: no tools required

-Automatic degumming.

LED display



- On installation, accurate setting of the manometric head in increments of 0.1 m.
- Then display of current electric consumption to inform the user.

Electronic switching, permanent magnet motor

Activation of venting function



- 10 min cycle to protect the system.

Automatic degumming

Just one setting dial



- Markers showing equivalence with the old 3-speed circulating pumps.
- Easy replacement.

Selection of setting mode



- Δ pv (variable pressure) for systems with radiators



- Δ pc (constant pressure) for systems with underfloor heating.

Salmson connector

- Tool-free connection.
- Separation of electrical and hydraulic connections for greater safety.

SETTINGS

Setting the Manometric Head

La rotation du bouton blanc permet d'afficher sur l'indicateur à LED la hauteur manométrique en m.

For easier settings, the white dial may be set to the symbols I, II or III on the Δp_c scale, which are marker points showing equivalence with the old 3-speed circulating pumps.

4.3_m Factory setting: ½ max. manometric head - Δp_v .

Electricity consumption

4_w

In operating mode, the current power consumption is displayed in W.



Regulation function:



With this regulation mode, the differential pressure (manometric head) can be reduced electronically in the event

of a reduction in the flow rate, according to the predefined differential pressure setpoint value.

Recommended regulation mode for heating systems with thermostatically controlled valves



With this regulation mode, the differential pressure of the circulating pump is kept at a constant level electronically,

regardless of the flow rate, according to the predefined pressure setpoint value.

Recommended regulation mode for installations with an underfloor heating system and for Thermosiphon-type installations.

Venting function:



Primary purpose:

When first started up, this function allows for the venting of air bubbles contained within the Priux home rotor chamber.

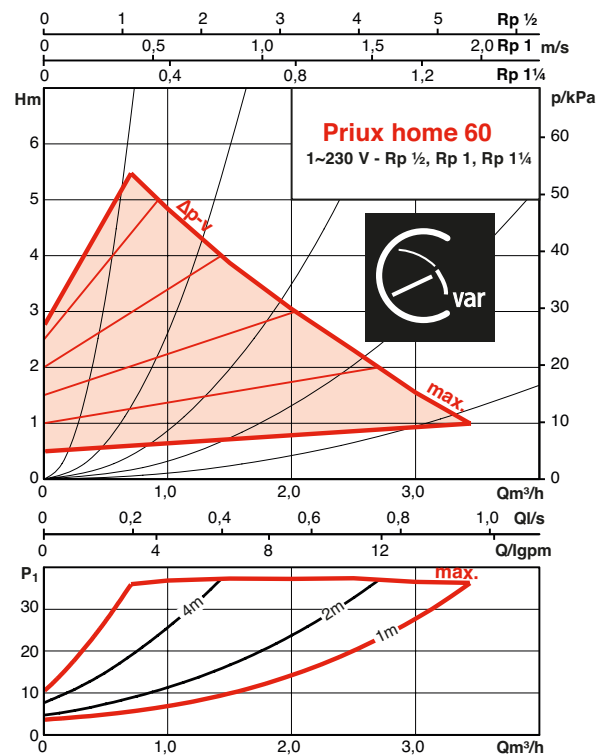
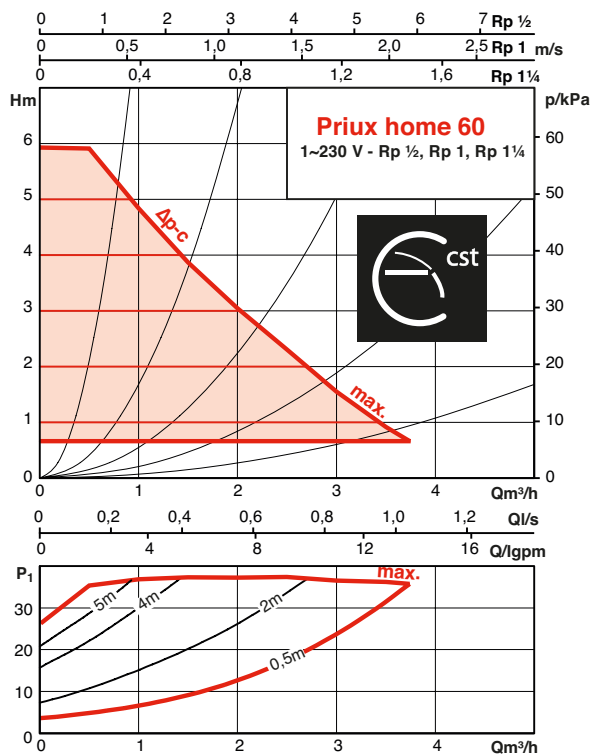
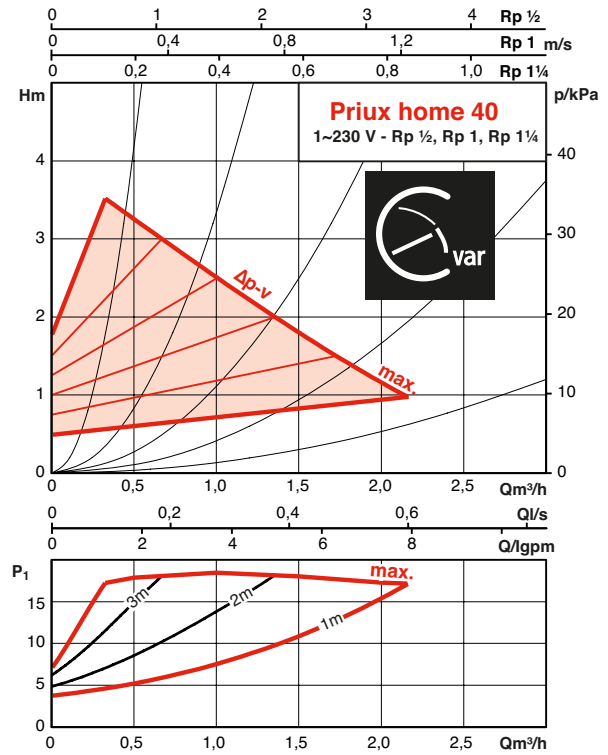
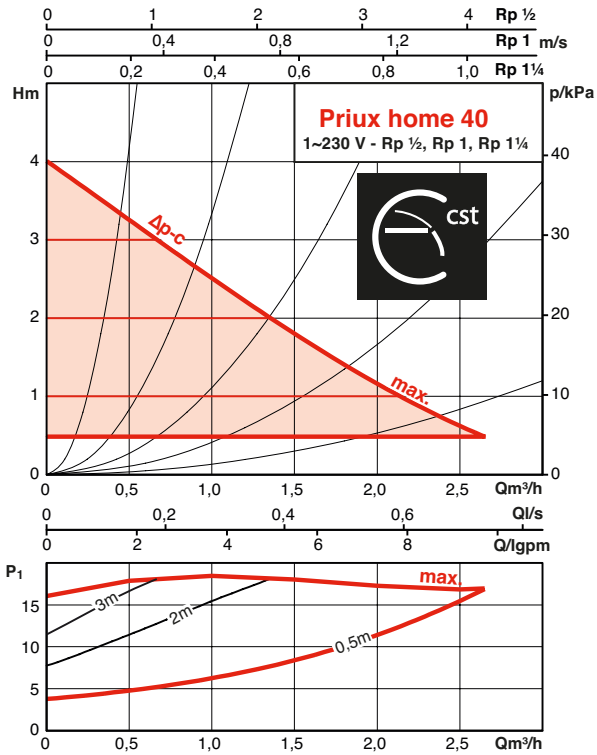
Secondary purpose:

This function also supports the venting of the heating system. As it operates, air bubbles trapped within the system are released and then conveyed to the highest point of the system (deaerator).

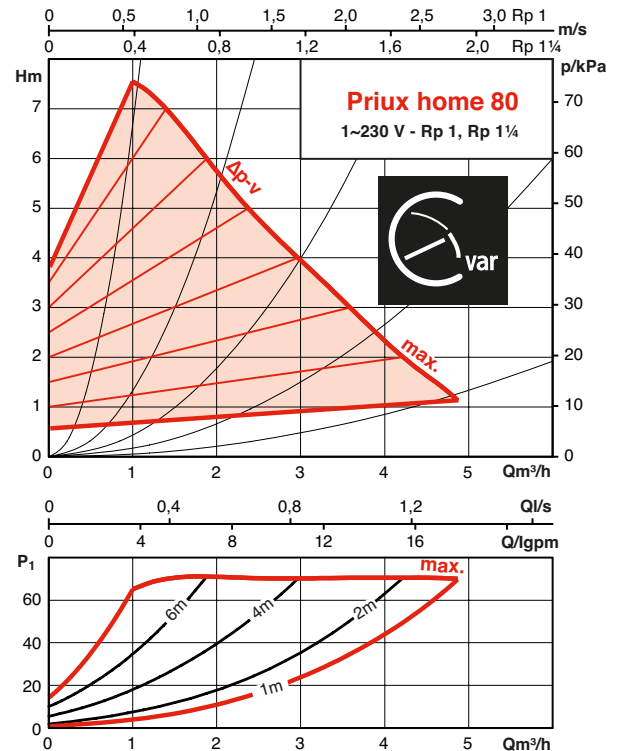
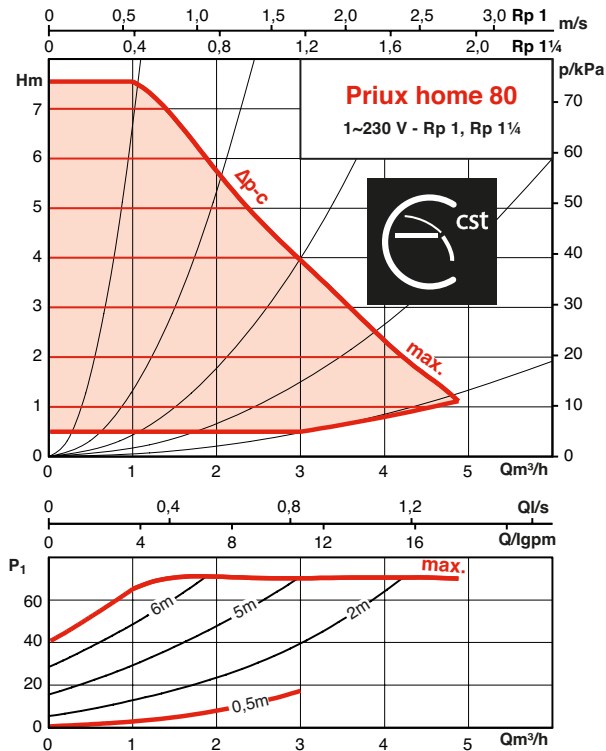
The "venting" function lasts for 10 minutes. After these 10 minutes, the manometric head must be reset, otherwise the circulating pump will return to the factory setting.

PRIUX HOME

HYDRAULIC PERFORMANCE






HYDRAULIC PERFORMANCE



QUICK SETTING HELP

values given for information only

Heating system	Regulation mode	Size of system	Priux home
With thermostatically controlled valves		Up to 15 radiators	Priux home 40
		Up to 20 radiators	Priux home 60
		Up to 25 radiators	Priux home 80
Underfloor heating system		Up to 120 m²	Priux home 40
		Up to 220 m²	Priux home 60
		> 220 m²	Priux home 80
Thermosiphon type		-	Priux home 40

PRIUX HOME

QUICK SETTING HELP

For systems with radiators

Outward and inward length of the least favourable loop	Setpoint value setting								
	0,5	1	1,5	2	2,5	3	3,5	4	4,5
30 m	1,3	1,3	1,0	1,0	1,2	1,1	1,3	1,2	1,2
40 m	1,5	1,3	1,3	1,0	1,4	1,3	1,5	1,3	1,3
50 m	1,8	1,5	1,5	1,3	1,8	1,7	1,7	1,4	1,4
60 m	2,3	2,0	1,8	2,2	2,0	1,8	2	1,8	1,5
80 m	2,5	2,3	2,9	2,6	2,4	2,5	2,4	2,1	
100 m	2,8	2,5	3,2	3,0	2,8	2,9	2,7		
120 m	3,0	4,0	3,5	3,2	3,4	3,3	3	Sirix Master	
140 m	5,6	4,8	4,4	4	3,8	3,6			
160 m	5,9	5,4	4,8	4,4	4,2	4			
180 m	6,6	5,8	5,4	4,8	4,6				
Débit (m³/h)	0,5	1	1,5	2	2,5	3	3,5	4	4,5

Priux home 40 Priux home 60 Priux home 80

For systems with underfloor heating

Outward and inward length of the 16 x 20 CLP loop	Setpoint value setting								
	0,5	1	1,5	2	2,5	3	3,5	4	4,5
20 m		1,0		1,0		1,0			
40 m		2,0		2,0		2,0			
60 m		3,0		3,0		3,0			
80 m		4,0		4,0					
100 m		5,0		5,0					
120 m		6,0							Sirix Master
140 m		7,0							
Flow rate (m³/h)	0,5	1	1,5	2	2,5	3	3,5	4	4,5

Outward and inward length of the 13 x 16 CLP loop	Setpoint value setting								
	0,5	1	1,5	2	2,5	3	3,5	4	4,5
20 m		1		1,5		1,5			
40 m		3,0		3,0		3,0			
60 m		4,5		4,5					
80 m		6,0							
100 m		7,5							
120 m									Sirix Master
140 m									
Flow rate (m³/h)	0,5	1	1,5	2	2,5	3	3,5	4	4,5

Priux home 40 Priux home 60 Priux home 80

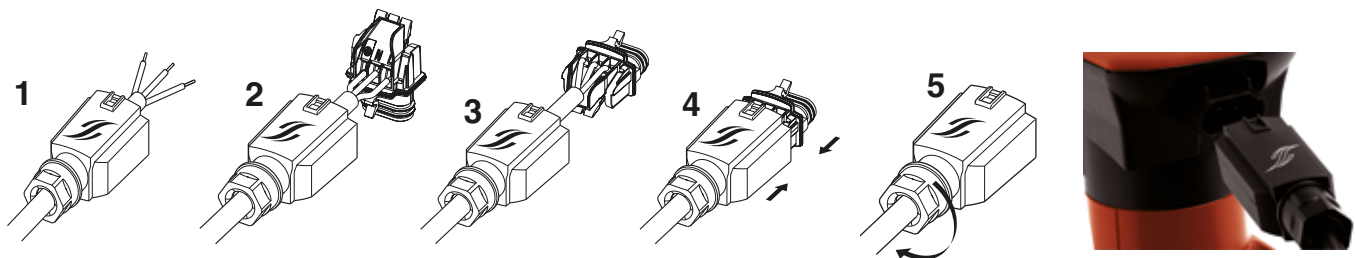
NB : These setpoint values are given for information only; the flow rate can be adjusted in the following manner:

Lowest setpoint value = reduction of flow rate

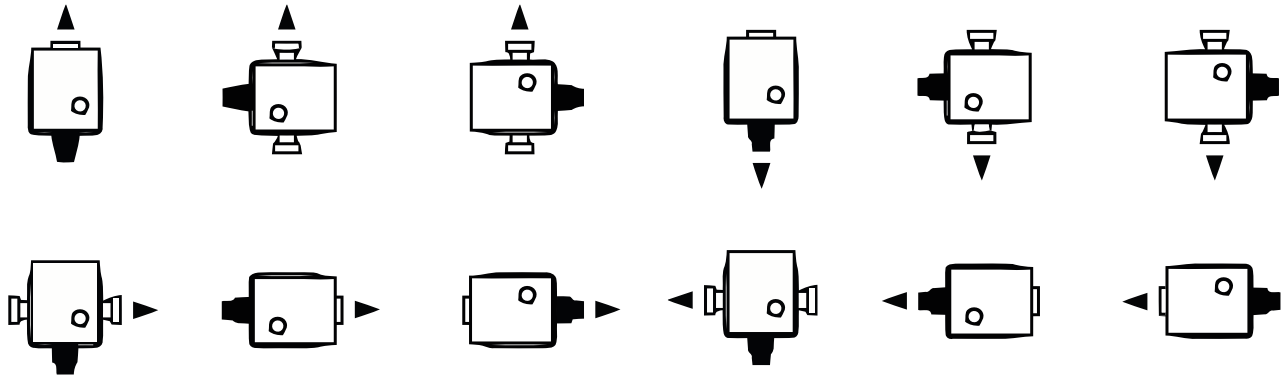
Highest setpoint value = increased flow rate, within the limits of the circulating pump's performance

ELECTRICAL CONNECTIONS

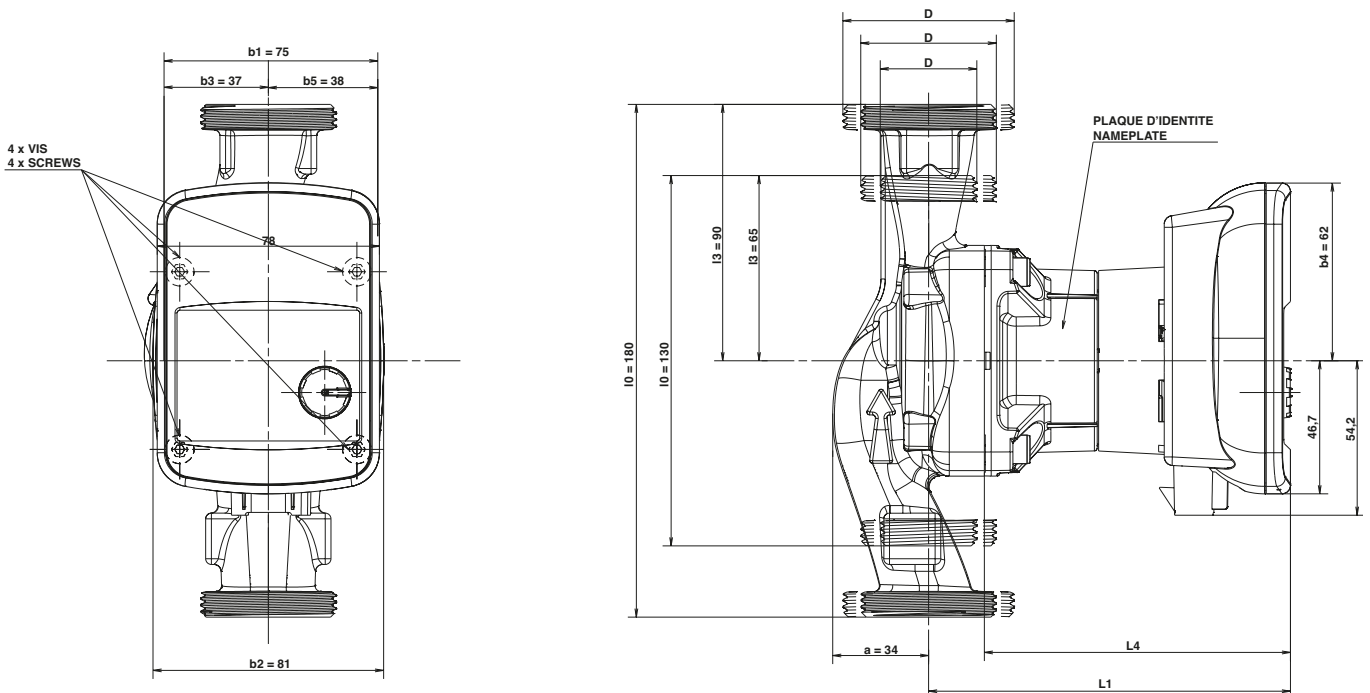
Quick electrical connections requiring no tools



INSTALLATION POSITIONS



ELECTRICAL AND DIMENSIONAL SPECIFICATIONS



Order reference	Motor						Pump					
	P1 (W)		I(A)		Speed (rpm)		L0 (mm)	L1 (mm)	L3 (mm)	L4 (mm)	Ø D	Weight (kg)
	Min	Max	Min	Max	Min	Max						
Priux home 40-25 / 180 mm							180	127	90	107	1"1/2	2
Priux home 40-32 / 180 mm										2"		
Priux home 40-15 / 130mm							130	127	65	107	1"	
Priux home 40-25 / 130mm										1"1/2	2	
Priux home 60-25 / 180 mm							180	127	90	107		1"1/2
Priux home 60-32 / 180 mm										2"		
Priux home 60-15 / 130mm	4W	40W	0,04	0,44	800	4700				1"	2,3	
Priux home 60-25 / 130mm							130	127	65	107		1"1/2
Priux home 80-25 / 180mm							180	135	90	115		1"1/2
Priux home 80-32 / 180mm	4W	75W	0,04	0,66	800	5000				2"	2,3	
Priux home 80-25 / 130mm							130	135	65	115		1"1/2

PRIUX HOME

ACCESSORIES

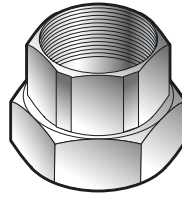
Order reference	Threaded tube connection				
	1/2"	3/4"	1"	1 1/4"	2"
Priux home 40-25 / 180 mm	-	RED 2027	RU 2634	-	-
Priux home 40-32 / 180 mm	-	-	RED 2634	RU 3342	RU 4049
Priux home 40-15 / 130mm	RU 1521	-	-	-	-
Priux home 40-25 / 130mm	-	RED 2027	RU 2634	-	-
Priux home 60-25 / 180 mm	-	RED 2027	RU 2634	-	-
Priux home 60-32 / 180 mm	-	-	RED 2634	RU 3342	RU 4049
Priux home 60-15 / 130mm	RU 1521	-	-	-	-
Priux home 60-25 / 130mm	-	RED 2027	RU 2634	-	-
Priux home 80-25/180 mm	-	RED 2027	RU 2634	-	-
Priux home 80-32/180 mm	-	-	RED 2634	RU 3342	RU 4049
Priux home 80-25/130 mm	-	RED 2027	RU 2634	-	-



• ØG 1 1/2 - 2" Adapter rings Ref. 4051850



• Shut-off ball valve RU 2634 - Ref. 4104734



• Pipe union



• Insulating housing Ref. 4160237



• 2 m cable with side connector (in sets of 10) Ref. 4164854

SPECIFICITIES

a) Electrical

- 230 V - 50 Hz single-phase (60Hz).
- Motor protection by a circuit breaker is not essential.

b) Installation

- Motor axis always horizontal.
- Connection to system by pipe unions.

c) Packaging

- Delivered with connector and gaskets, without pipe unions.

d) Maintenance

- Standard exchange of the appliance.