antoniolupi

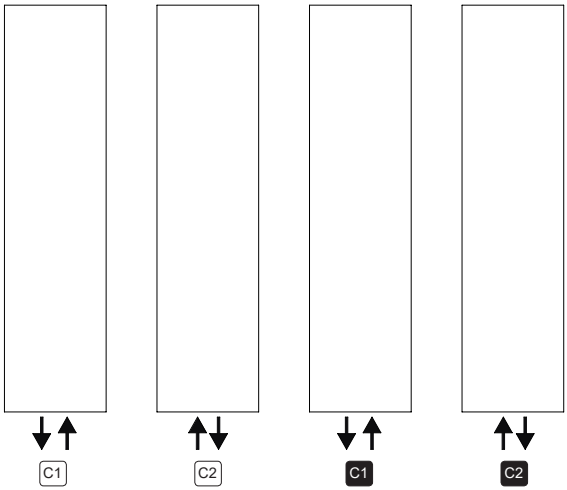
DESIGNER RADIATOR BIT – WATER VERSION
USAGE AND INSTALLATION MANUAL

WARNING!!!

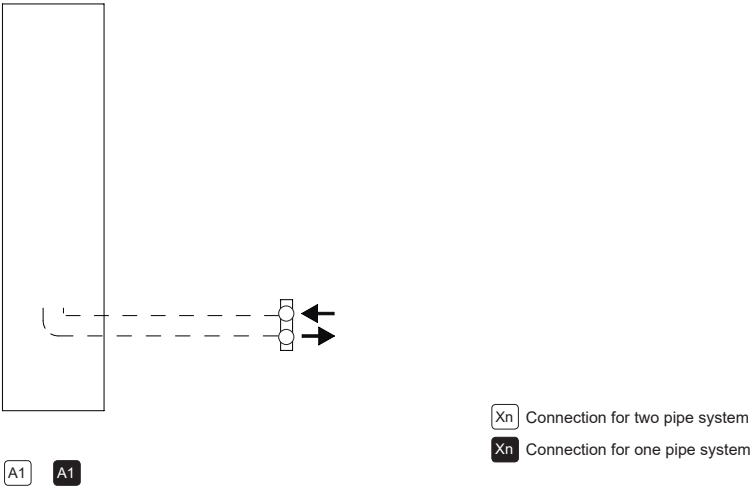
We decline any and all responsibilities relative to eventual inaccuracies contained in this manual due to transcription error.

We invite all our clientele to control the items received prior to installation.

Standard external connection – distance 50 mm

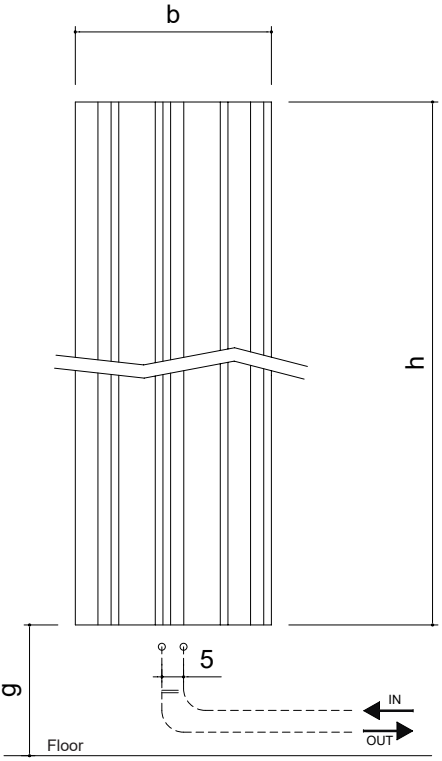


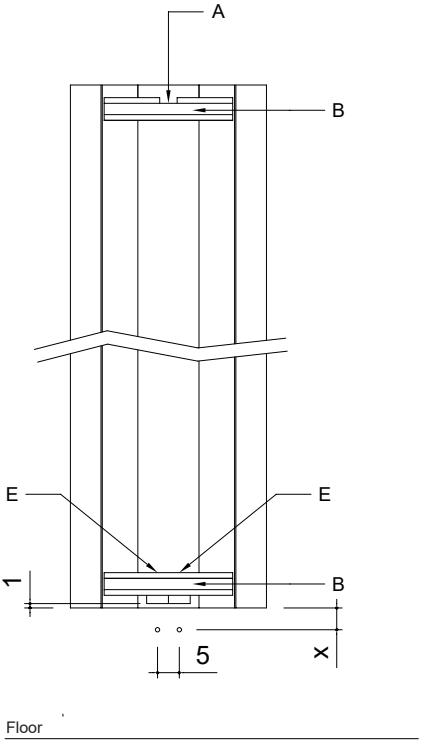
Connection requests – distance 50 mm and remote valve assembly



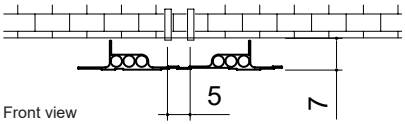
VERTICAL INSTALLATION

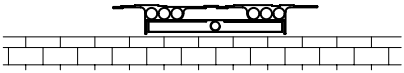
Standard installation with connection C1 C2 **C1** **C2**





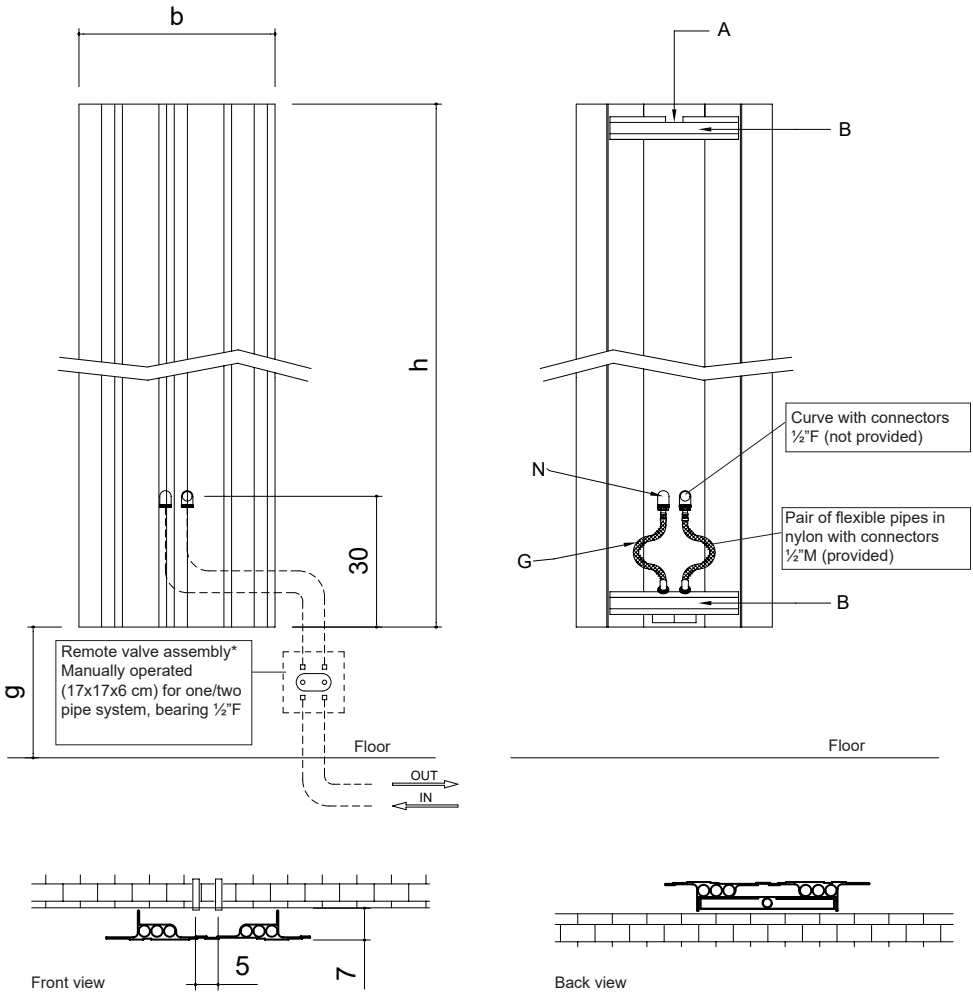
X= from technical spec sheet of valves used





G= optional height from floor (minimum 10 cm)

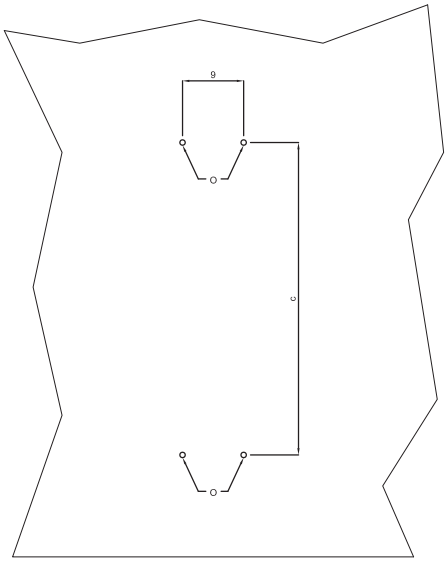
Installation with connection A1 **A1** **(upon request)**



G= optional height from floor (minimum 10 cm)
*The encased valve can be positioned distant from the radiator; it should be positioned lower than the water intake to the radiator. The four fittings ½"M for the connecting pipes are not provided

TAB.1 - FIG.3

Model	Version	h x w (cm)	A center to center distance	C (cm)	Weight (kg)	Volume of water (kg)	Q Δt 50 (watt)	Q Δt 30 (watt)
BITLIGHT 120		120x45		109	11,6	1,18	588,5	311,13
BITLIGHT 150		150x45	5	139	14,5	1,47	726,9	385,09
BITLIGHT 180		180x45		169	17,4	1,76	860,9	462,28



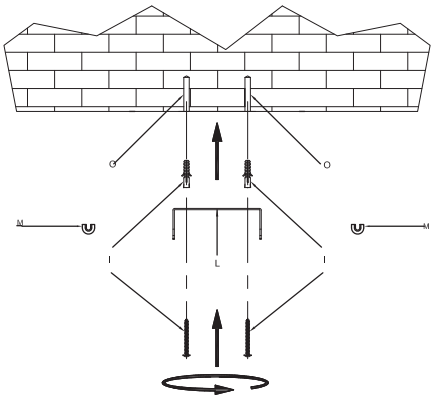
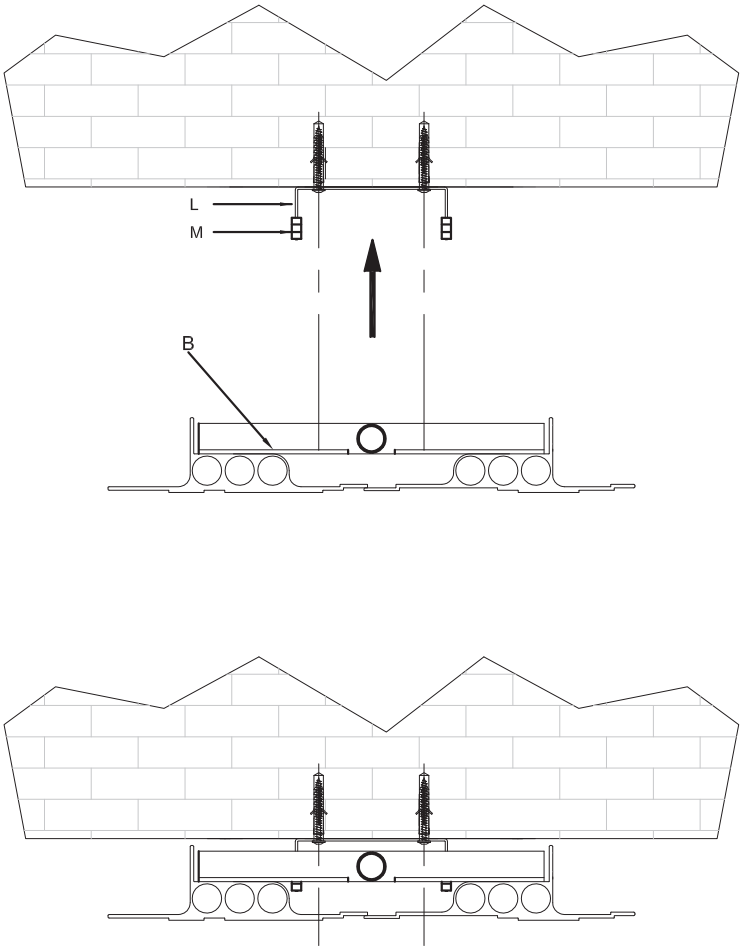


FIG.4



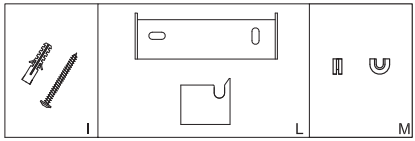
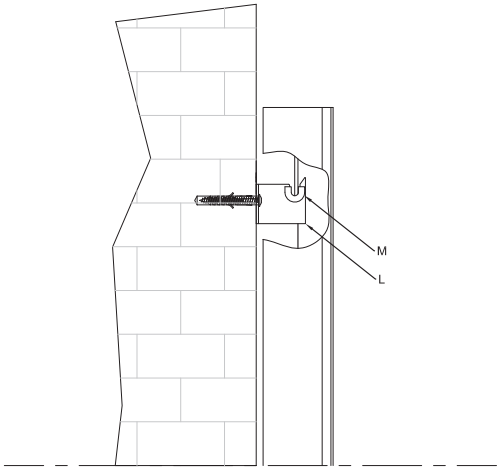


Fig.6



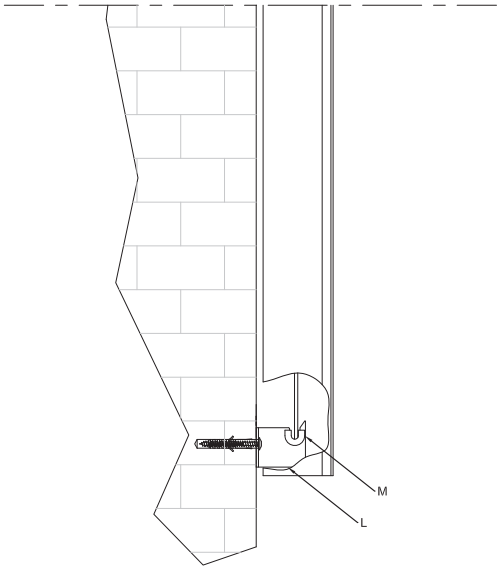
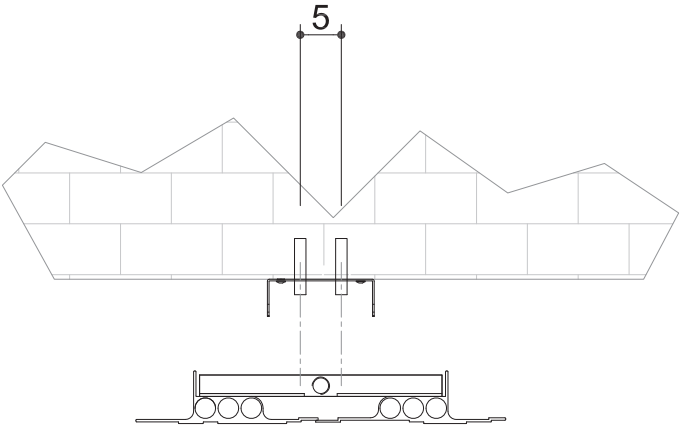
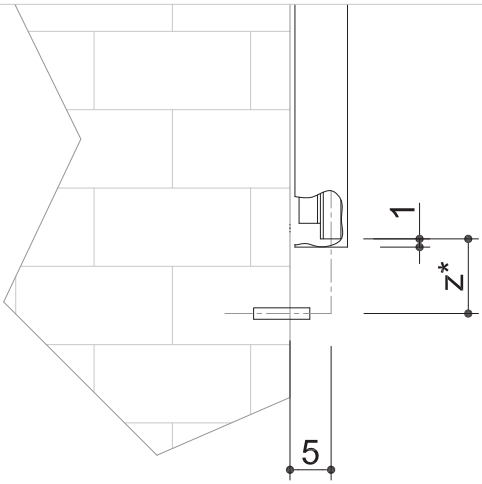


Fig.5

FIG.7- FIG.8





1	Information about the producer	Pag.
2	Warnings and precautions	Pag.
3	Necessary tools for installation	Pag.
4	Material provided in the package	Pag.
5	Installation instructions standard radiator with exposed valves at maximum 6 bar pressure	Pag.
6	Installation instructions radiator with remote valves at maximum 6 bar pressure	Pag.
8	Declaration of conformity	Pag.

1. INFORMATION ABOUT THE PRODUCER

The present radiator has been produced by:
Radiatori 2000 S.p.A. – Via Francesca 54/A 24040 Ciserano (BG) ITALY
P.IVA 03554100176

IMPORTANT!!
Antonio Lupi Design S.p.A. declines any and all responsibilities in case of accidents due to installations that do not comply to these instructions.
Before leaving the factory, all radiators are rigorously tested according to current standards. Antonio Lupi Design S.p.A. reserves the right to introduce technical and constructive modifications retained necessary without obligation of prior notice.
For any and all questions please consult your nearest dealer.

WARNING!!

Read carefully all warnings and precautions that follow

- The radiator is guaranteed for a maximum pressure of 6 bar; make sure your system is not more.
- The maximum temperature is 90°C.
- Make sure the PH of the water is between 6,5 and 8,0
- Make sure the hardness of the water is between 12,0 and 14,0 °f
- In case of failure contact your retailer. Do not tamper in any way with the product; eventual disassembly or opening compromise the safety of the product. We decline all responsibility for accidents derived from tampering the appliance.
- Children must be supervised and should not play with the appliance.
- Clean with a damp cloth without aggressive or abrasive detergents that could damage the lacquering of the appliance.
- In models provided with a towel bar do not load heavily since the maximum loading amount is 2 kg.
- This radiator should be installed to a centralized heating system that has been cleaned / washed and that contains filling water from a circuit with inhibitors in accordance with UNI-CTI 8065 or BS7593.
- The radiator has to be connected only by qualified personnel according to the current regulations using certified materials.
- When finished check the system to verify the connecting seals. **Verify that during filling the radiator vents through the valve or manually on the top part of the radiator before using.**

3. TOOLS NECESSARY FOR INSTALLATION

- Philips screw driver (if using the screws provided)
- Hex wrench 22 mm.
- Drill
- Wall tip 8 mm diam.(if using the dowels provided)

4. MATERIAL CONTAINED IN THE PACKAGE

Material contained in the accessory package

- 4 pads for wall supports **– Cod.M.**
- 4 complete anchors ø8 **– Cod. I**
- 2 wall supports – **Cod. L**

5. Installation instructions standard radiator with exposed valves at maximum 6 bar pressure

WARNING!!

Read carefully all the instructions and measurements for a correct installation in the present document in Fig.1, Fig.2, Fig.3, Fig.4, Fig.5 and Fig.6

5.1 PRE-ASSEMBLED RADIATOR INCLUDED IN THE PACKAGE

Before packaging the radiator it is equipped with some components to facilitate the various phases of installation. Specifically, the radiator has already installed (Fig.1):

- 1 manual vent in position A
- 2 caps in position E

5.2 PLUMBING VERIFICATION

The height from the floor for the out and return water connecotrs is an option. Make sure the distance between them is 5 cm(fig.7). The distance “Z” between the threaded hole ½”F behind the radiator and the center of the water connecting pipes will depend on the type of valves selected.

5.3 WALL FIXINGS

1. Take from the package the two supports “L”
2. Fix sockets according to your wall and are able to support the weight of the radiator. Included are “I” type dowels D.8 mm able to support the radiators in case of a reinforced concrete wall;
3. If you should have a reinforced concrete wall and are able to use the included “I” dowels make 4 “O” holes paying close attention to the fixing distance reported in Tab.1 and in Fig.2- 3. The distances depend on the model purchased;
4. Fix the 2 “L” sockets with the help of a Philips screwdriver

5.4 INSTALLING THE RADIATOR TO THE WALL

1. Lift the radiator and insert the four pins “B” already installed on the radiator within the 2 fixing sockets “L” (Fig. 4);

5.5 PLUMBING

1. The radiator is ready to be connected to the plumbing system applying the selected valves in position E(Fig.2) that should have a male threaded connector on the side of the radiator ½” and a connection suitable to the piping system used to make the heating syste

5.6 RADIATOR TESTING

1. Open the valve and the supply holder to the radiator;
2. Verify hearing the ventilation contained within the radiator through the manual valves A
3. The radiator is ready to be used.

6. INSTALLATION INSTRUCTIONS RADIATOR WITH REMOTE VALVES AT MAXIMUM 6 BAR PRESSURE

In the case you don't want to install the water version BIT radiator in the standard mode with a remote valve it's possible to install it with a valve at sight located under the radiator with the following modifications

ATTENTION!!

Read carefully all the instructions and measurements for a correct installation in the present document in Fig.1, Fig.2, Fig.3, Fig.4, Fig.5 and Fig.6

6.1 Pre-assembled radiator included in the package

Before packaging the radiator it is equipped with some components to facilitate the various phases of installation. Specifically, the radiator has already installed (Fig.1):

- 2 top caps in position "D"
- 2 automatic air vents in position "A"
- 4 pins to hang on the wall in position "B"
- 1 connecting tube "H" between endpoints "C"
- 2 flexible tubes "G" with ½" male swivel ends "N" connected to terminals "F"
- 2 bottom caps in position "E"

6.2 PLUMBING VERIFICATION

Verify that the water inlets have a distance of 32 cm (Fig.7). Distance "z" between the ½" F thread, located on the bottom of the radiator, and the center of the fixings of the water inlets depends on the type of valve selected.

6.3 PREDISPOSITION OF WALL BRACKETS

1. Withdraw from the accessory package the four fixing sockets "L"
2. Fix sockets according to your wall and are able to support the weight of the radiator. Included are "I" type dowels D.8 mm able to support the radiators in case of a reinforced concrete wall.
3. If you should have a reinforced concrete wall and are able to use the included "I" dowels make 4 "O" holes paying close attention to the fixing distance reported in Tab.1 and in Fig.2-3. The distances depend on the model purchased.
4. Fix the 4 "L" sockets with the help of a Philips screwdriver paying close attention to maintain the threaded holes M5, which are present on the cylindrical body of the support, upward for those relative to the top supports and downward for the bottom supports.

6.4 MODIFICATIONS TO MAKE

1. Unscrew the bottom two caps in position "E" with the help of an 8 mm Allen key (Fig.2)
2. Unscrew from the ends "F" the two flexible tubes "G" (Fig.2)
3. Withdraw from the accessory package the two O-Ring gaskets "R"
4. Remove the O-Ring gaskets pre-mounted on the two caps previously unscrewed in point 2 with the two new similar gaskets "R" from point 4.
5. Screw into the threaded holes of "F" the two caps uninstalled from point 2 and restored as in point 5 being careful as to not use force. Water tightness is guaranteed by the pre-mounted O-Ring gaskets.

6.5 MOUNTING THE RADIATOR ON THE WALL

1. Withdraw from the packaging the 4 grub screws "M" M5.
2. Lift the radiator and insert the four pins "B" already installed on the radiator within the 4 fixing sockets "L" (Fig.4)
3. Keeping the radiator pressed against the wall screw the four grub screws "M" in the four sockets "L" using the included 2,5 mm Allen key (Fig.5)

6.6 HYDRAULIC CONNECTIONS

1. At this point the radiator is ready to be installed hydraulically using the selected valves that should have one side ½" male thread and one side suitable for the pipes used for the heating system.

5.6 TESTING THE RADIATOR

1. Open the valve and lockshield of the radiator.
2. Pay close attention to the air in the radiator through the automatic air vents "**A**"
3. The radiator is ready to be used.

8. DECLARATION OF CONFORMITY

CE

The radiator model BIT, produced by the company Radiatori 2000 Spa is compliant to the essential requirements in rule book 305-2011 as per the performance declaration listed below

UNI EN 442-1-2-3

Heat emitting radiators designed for permanent installation in heating system of residential buildings, fed from a remote source with hot water or steam at a temperature < 120° C.

RADIATORI 2000 SPA via Francesca 54/A Ciserano 24040 BG ITALY P.IVA 03554100176				Characteristic equation: $\phi = Km*T^n$			
MODEL	**W/el (T=50K)**	**W/el (T=30K)**	**Km**	**n**	**CE**	**DoP**	**Maximum operating pressure**
BITLIGHT120A	588,50	311,13	4,461	1,248	CE16	0028	6 bar
BITLIGHT150A	726,90	385,09	5,611	1,244	CE16	0028	6 bar
BITLIGHT180A	860,90	462,28	7,358	1,217	CE16	0028	6 bar

NOTE

NOTE

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