

**LUNA** HT



**Model:**

- **Luna HT 1.280**  
28 kW – Doar incalzire -  
Condensare

**BAXI ROMANIA**

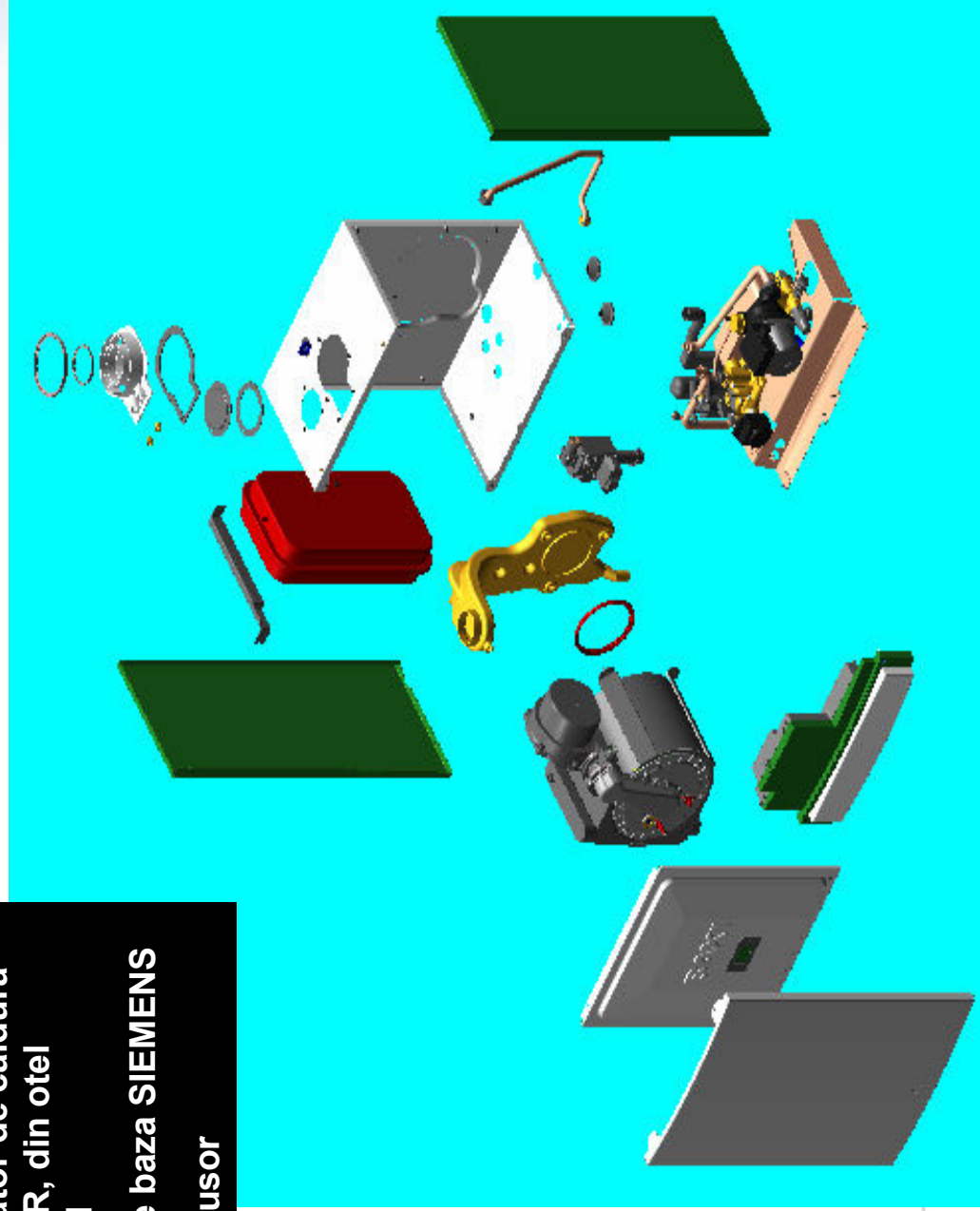
LUNA HT

Efficienta: 109,8%

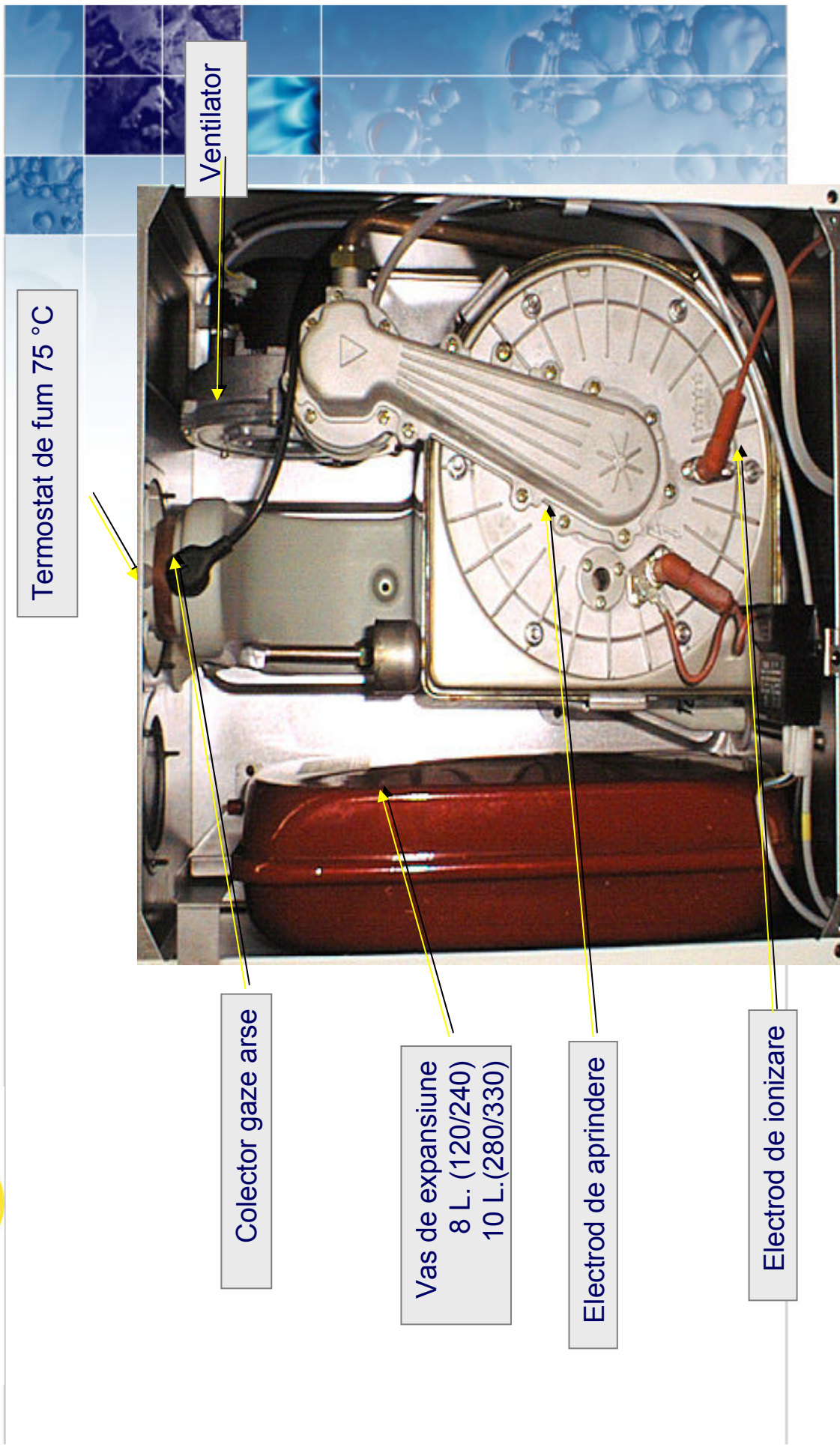


BAXI ROMANIA

- Schimbator de caldura MODULAR, din otel inoxidabil
- Placa de baza SIEMENS
- Service usor







Termostat de fum 75 °C

Ventilator

Colector gaze arse

Vas de expansiune  
8 L. (120/240)  
10 L.(280/330)

Electrod de aprindere

Electrod de ionizare

## PERFORMANTE

### **Suprafata mare de schimb termic**

In ciuda faptului ca este foarte compacta, fiecare serpentina are o suprafata de schimb termic de 0.15 m<sup>2</sup>., ideal pentru centralele in condensatie

### **Inertie termica redusa**

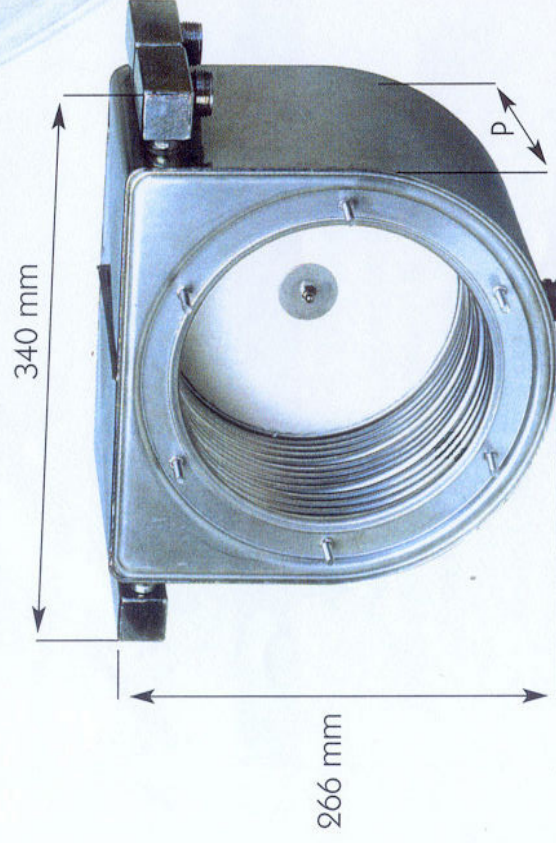
Datorita continutului redus de apa (0,35 litri) fiecare serpentina se incalzeste foarte rapid.





**COMPACT**

Schimbatorul de caldura, camera de ardere si zona de condensatie

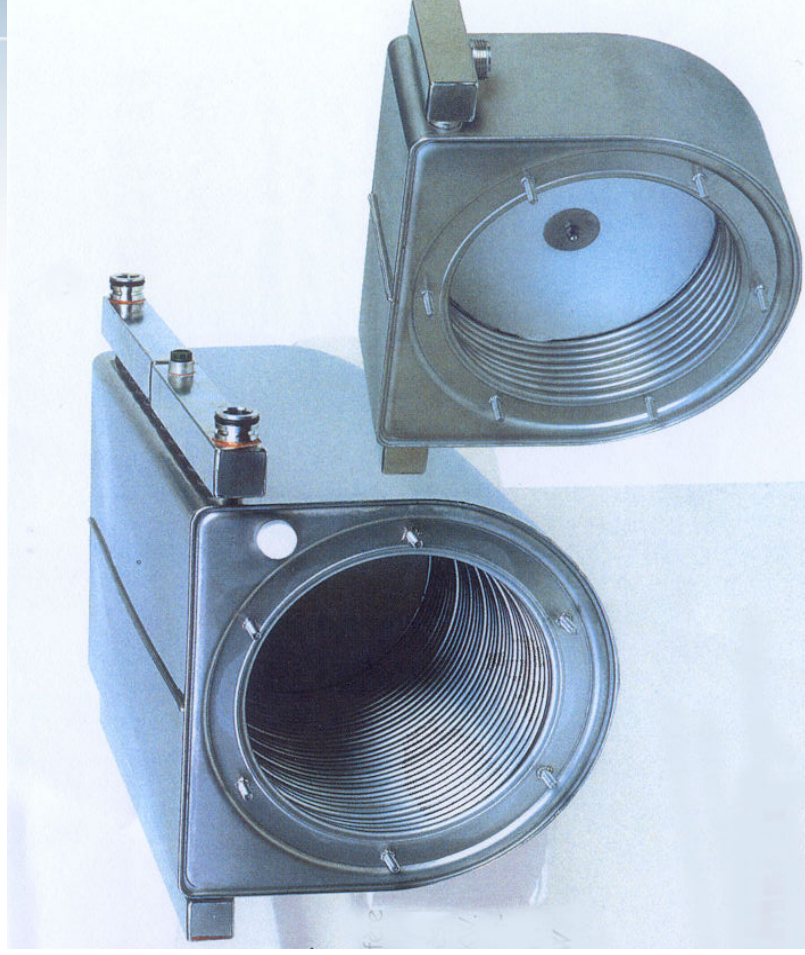


Nombre de tubes <i>coils number</i>	P (mm)	Puissance output (kw)
4	142	12/20
5	174	24/28
6	206	28/33

**MODULAR****Gama larga de puteri**

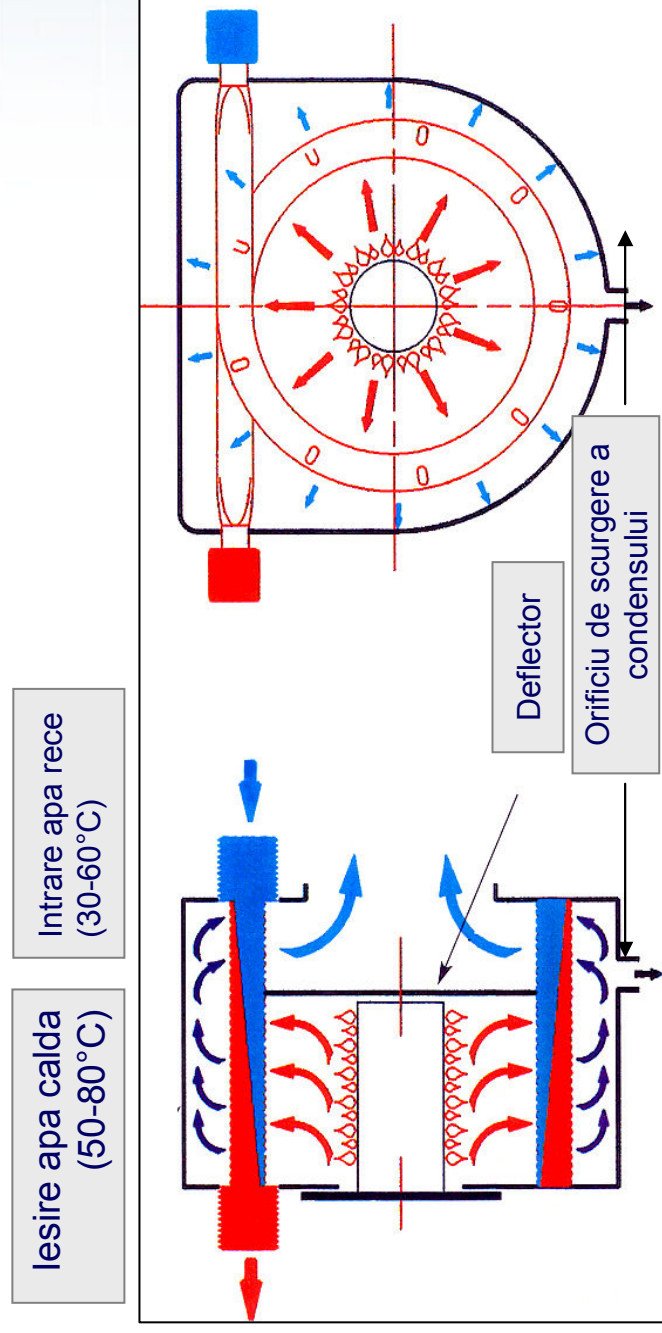
Fiecare serpentina produce 5 KW.

Schimbatoarele sunt disponibile in puteri de pana la 60 KW.



Q (kW)	Nr de serpentine	Mq.	Volum de apa (l.)
12 - 20	4	0,60	1,4
24/28	5	0,75	1,75
28/33	6	0,90	2,1

DESCRIERE FUNCTIONALA





LUNA HT

ARZATORUL

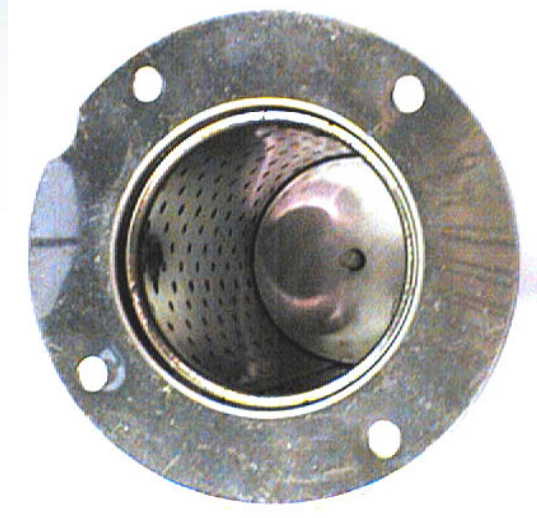
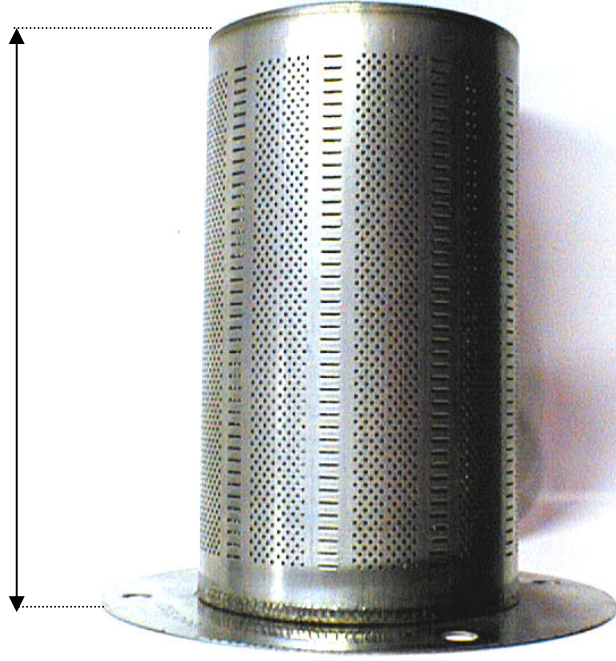


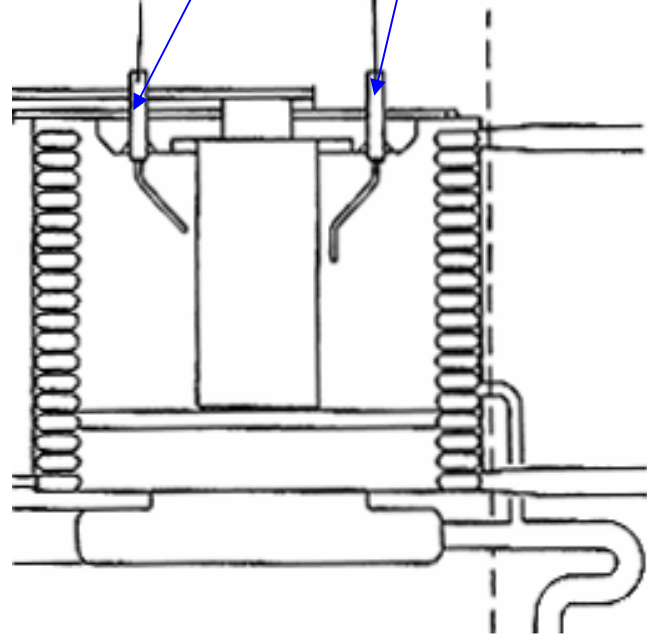
BAXI ROMANIA

**Arzator: FURIGAS**

- **Material: INOX AISI 316 L**
- **Functioneaza atat cu N.G. cat si cu G31**

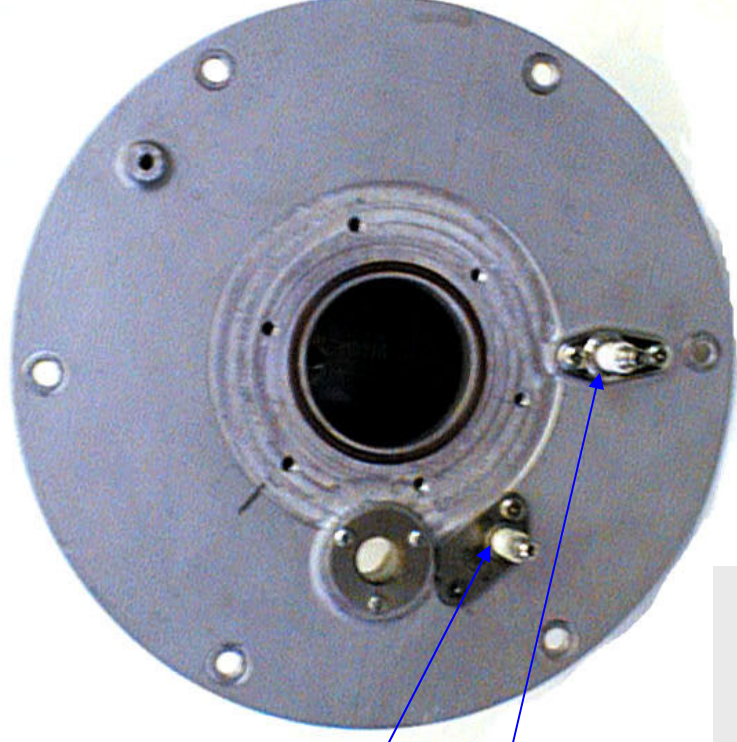
Lc





Electrod de  
aprindere

Electrod de  
ionizare



Electrozi:

SAPCO

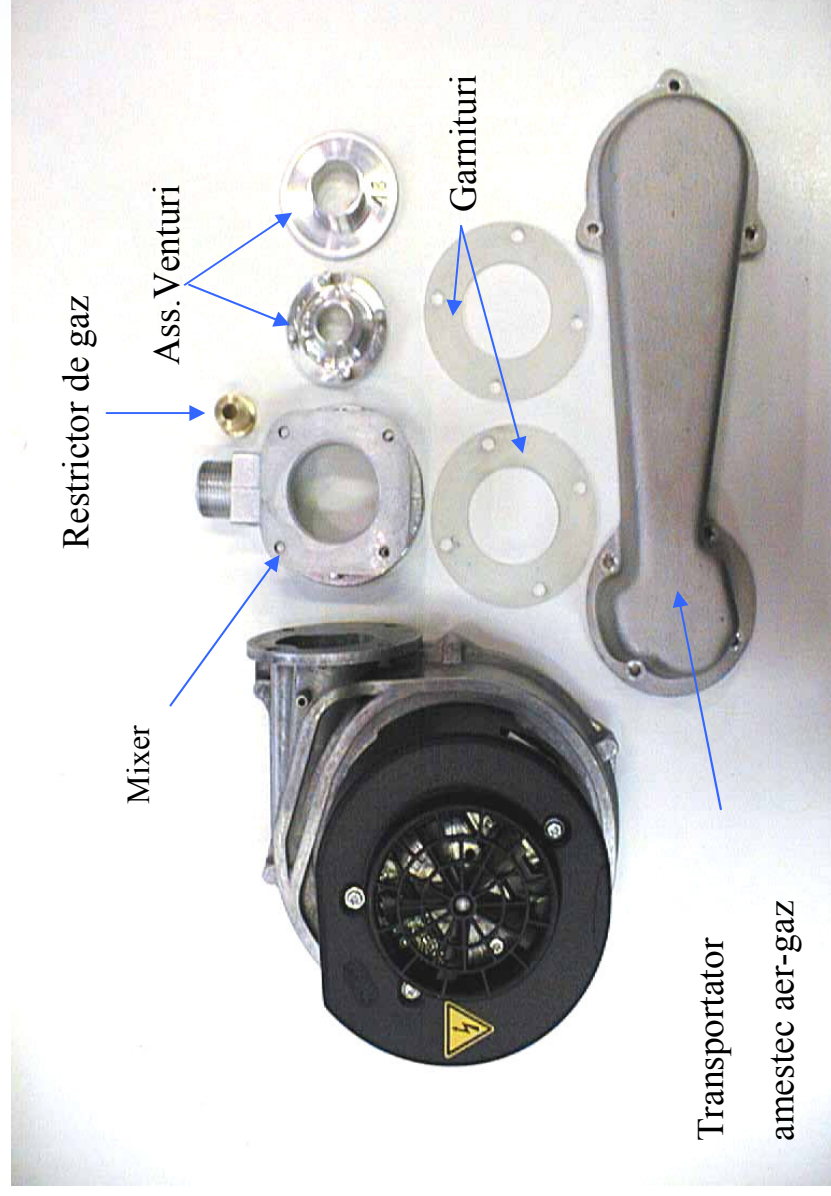
Electrod de aprindere:

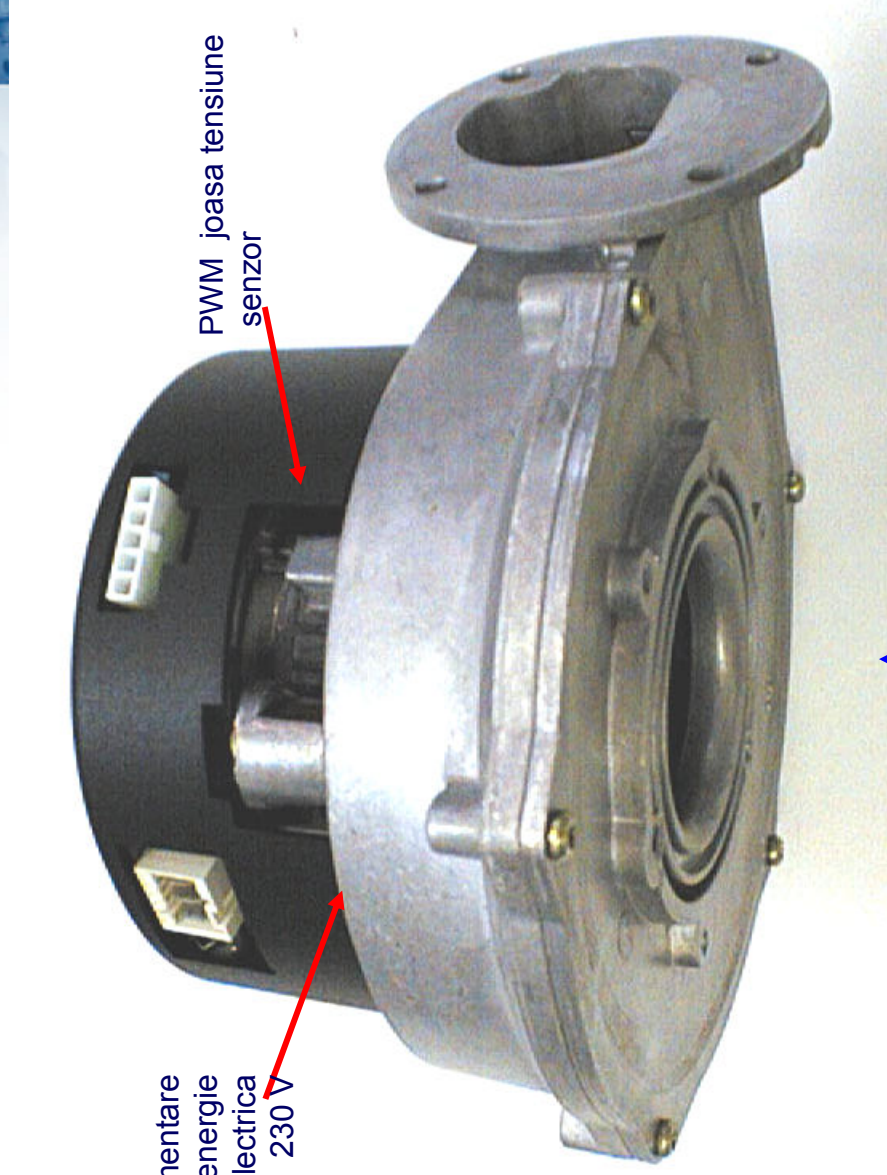
ANSTOSS



## Asamblarea

### Ventilator - mixer – elemente





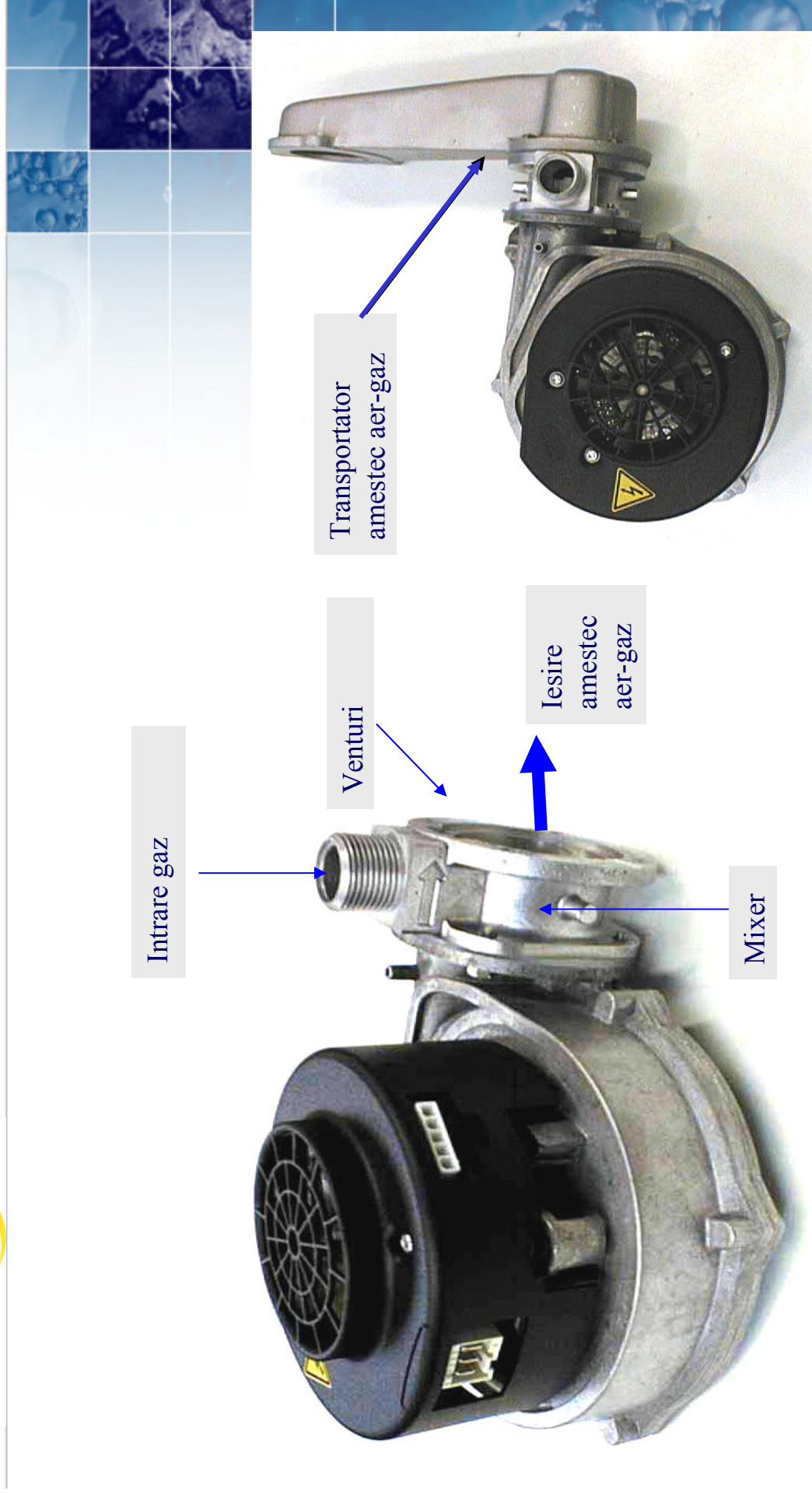
**Caracteristicile ventilatorului:**

**-Voltaj : 230V AC**

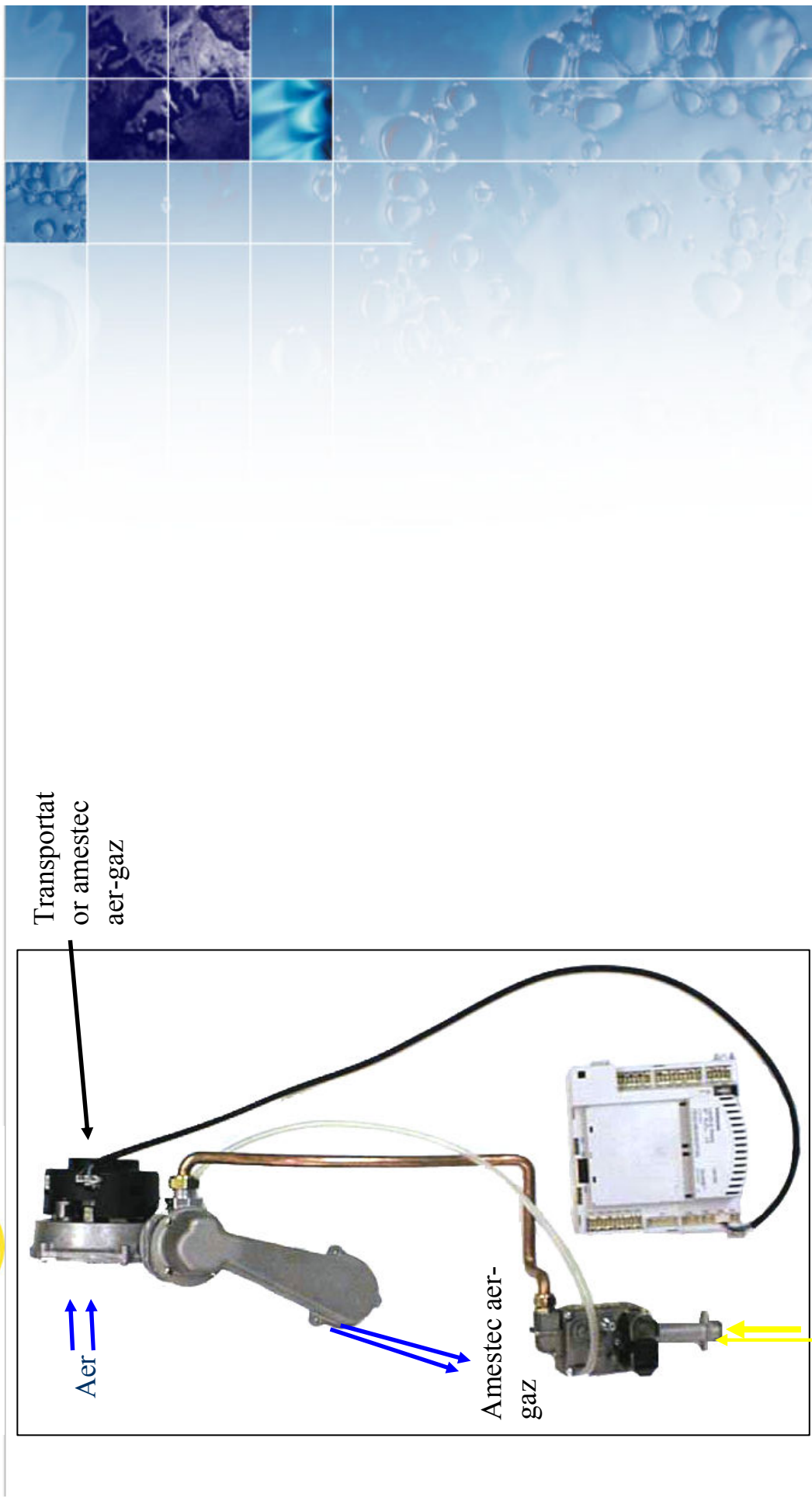
**-Putere: 70 W**

**-Clasa energetica: B**

Intrare aer







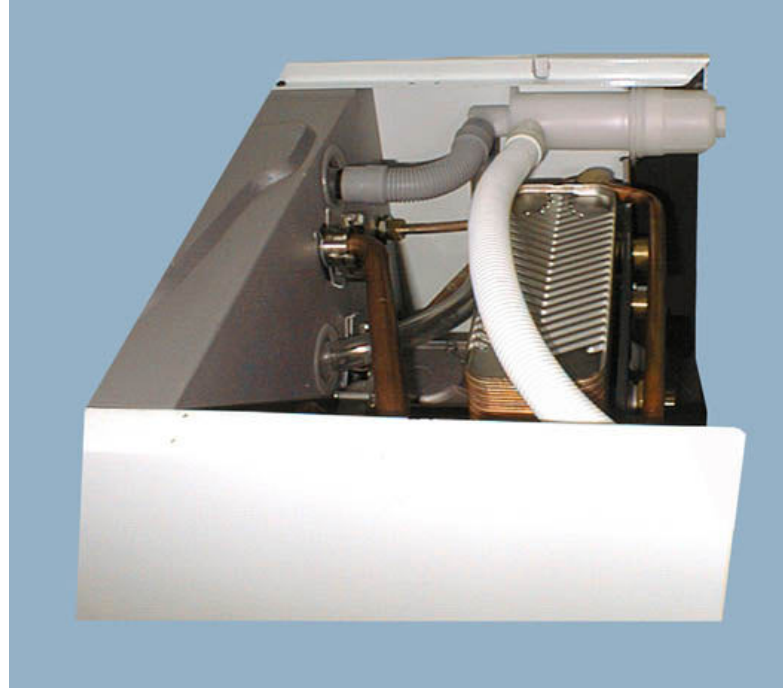
## Caracteristicile grupului de gaz:

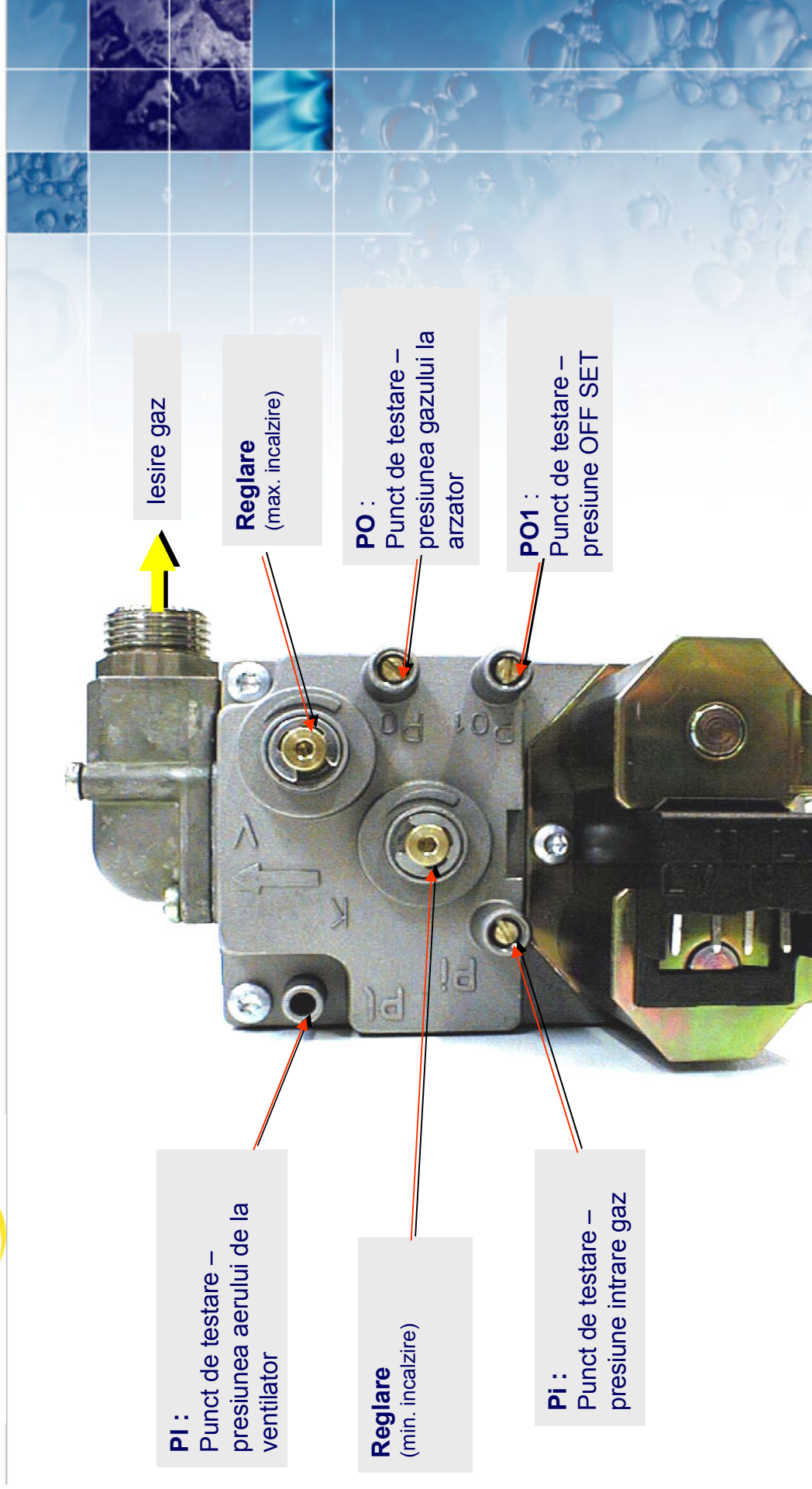
Model	Putere nominala (kW)	Nr de elemente ale schimbatorului	VENTURI (mm)	Injectoare de gaz (mm.)
HT 1.280	28	6	24	12,0





Sifonul





**PI :**  
Punct de testare –  
presiunea aerului de la  
ventilator

**Reglare**  
(min. incalzire)

**Pi :**  
Punct de testare –  
presiune intrare gaz

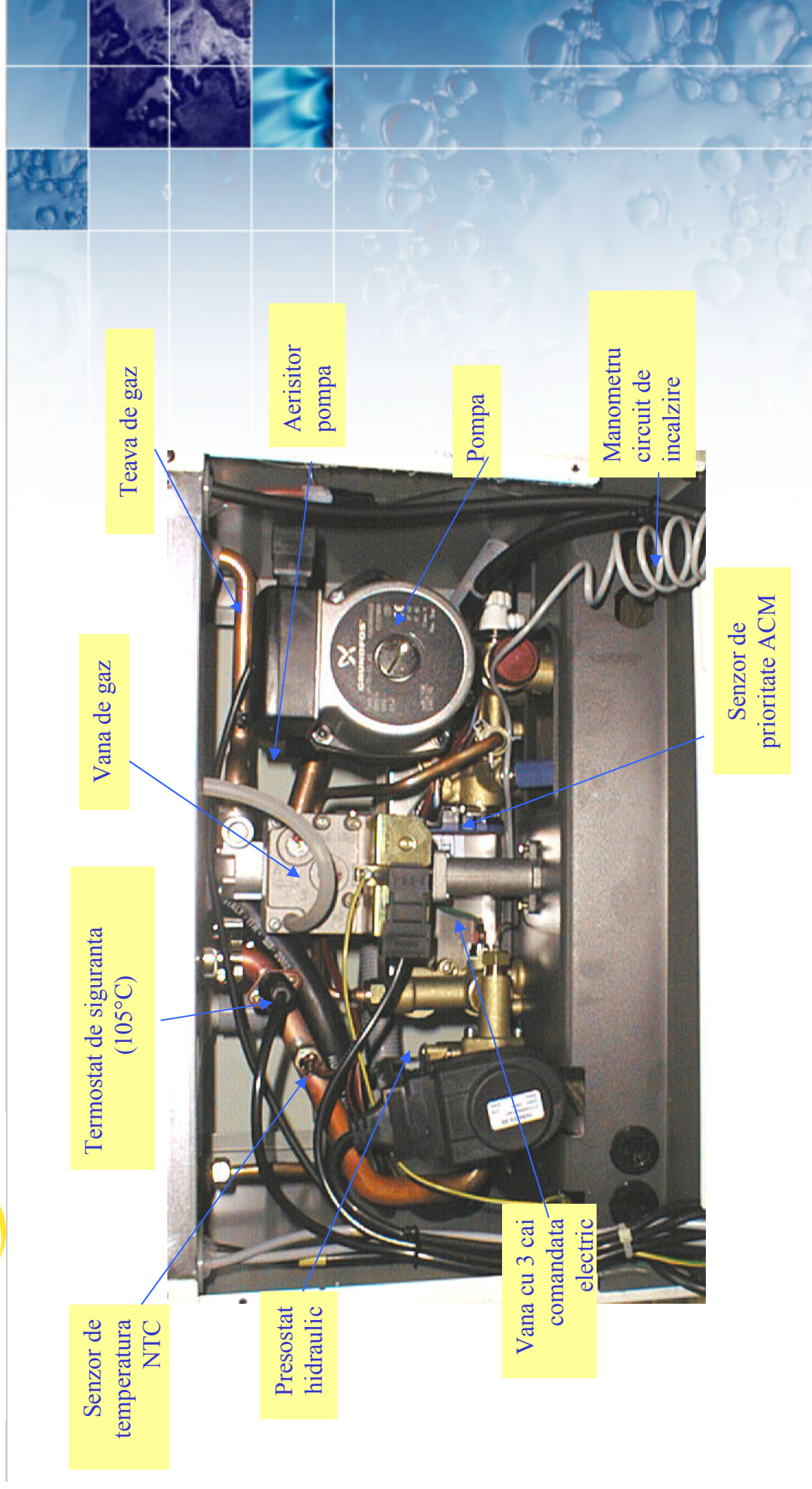
iesire gaz

**Reglare**  
(max. incalzire)

**PO :**  
Punct de testare –  
presiunea gazului la  
arzator

**PO1 :**  
Punct de testare –  
presiune OFF SET

Intrare gaz

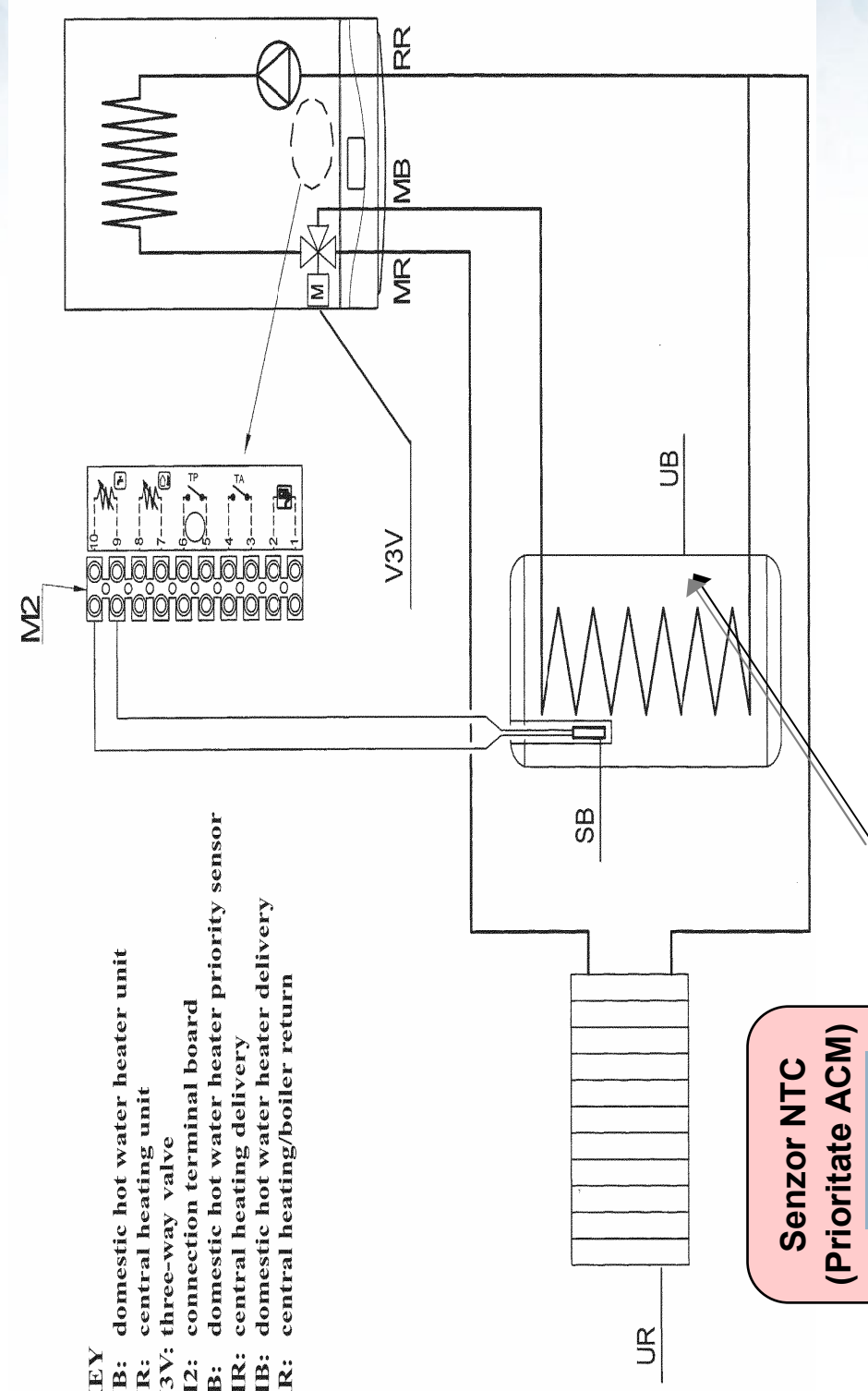




- Termostat de supraincalzire (pentru protectia schimbatorului primar)
- Electrode de control al ionizarii (semnaleaza prezenta flacarii)
- Postcirculare a pompei : \_cele 3 min. de postcirculare ale pompei sunt controlate de placa de comanda si sunt active dupa ce termostatul intrerupe prepararea apei pentru circuitul de incalzire.
- Termostat de evacuare gaze (75°C)
- Antiblocare pompa : opereaza la fiecare 24 de ore de nefunctionare (pompa va functiona pentru 10 secunde la fiecare 24 de ore)
- Presostat de minim: parte a grupului hidraulic care protejeaza centrala in cazul lipsei de apa sau a blocajelor pompei.
- Valva de siguranta 3 bar - pentru circuitul de incalzire
- Functia anti-inghet: **porneste automat la 5°C si incalzeste apa pana la 30°C.**
- Sistem antiblocare vana cu 3 cai:

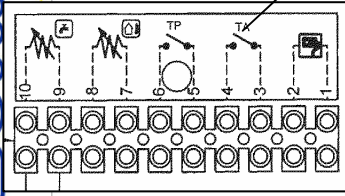
Daca nu este necesara prepararea agentului termic timp de 24 de ore, vana cu 3 cai va efectua automat un ciclu de comutare.

- KEY**
- UB: domestic hot water heater unit
  - UR: central heating unit
  - V3V: three-way valve
  - M2: connection terminal board
  - SB: domestic hot water heater priority sensor
  - MR: central heating delivery
  - MB: domestic hot water heater delivery
  - RR: central heating/boiler return



**Senzor NTC  
(Prioritate ACM)**

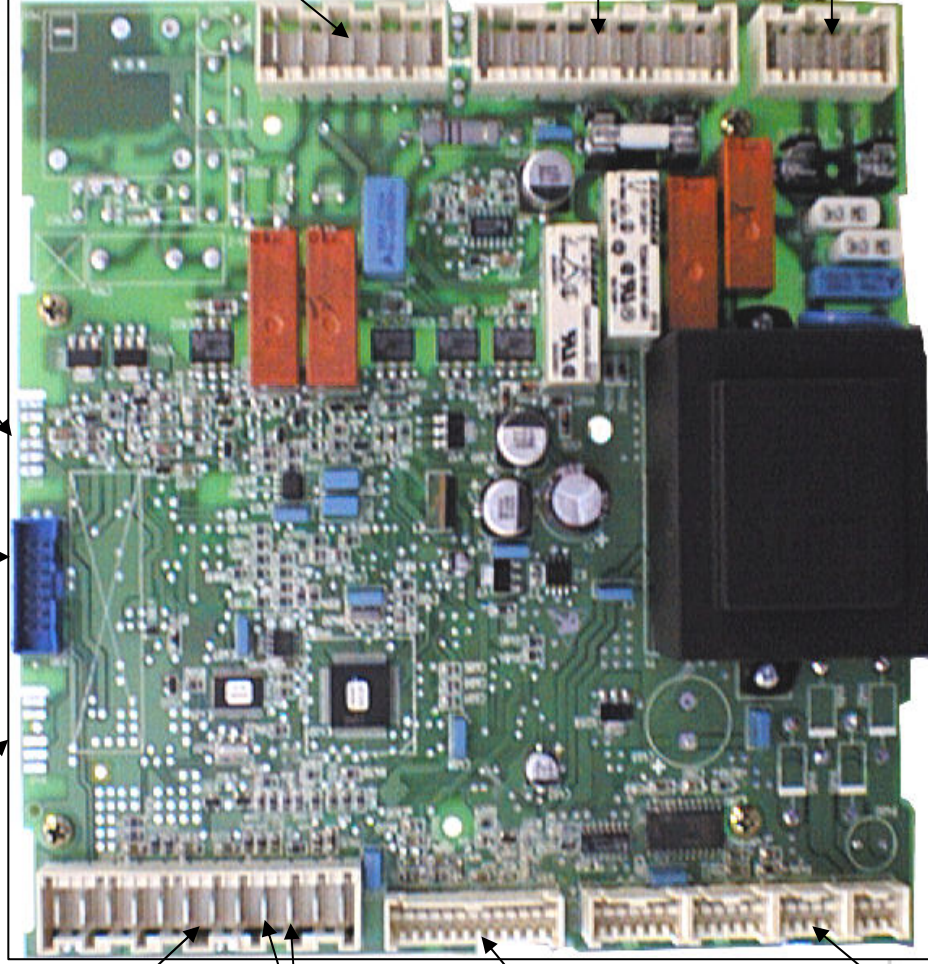




**OCI 420**

**Afisaj**

**AGU 2.500**



- Electrod de aprindere
- Vana de gaz
- Termostat de evacuare
- Termostat de sigranta

- Electrod de ionizare
- Vana cu 3 cai
- Pompa
- Alimentare ventilator

- Alimentare energie electrica

- Senzor NTC pentru circuitul ACM

- Senzor NTC pentru circuitul de incalzire
- Presostat hidraulic cu microinteruptor
- Senzor prioritate ACM

- Controlul ventilatorului





Senzor pentru tancul de acumulare:

**SO10038**

$\beta = 3977 \pm 0,75\%$     10 kW  $\pm 3\%$ @ 25°C

- 1 robinet tur încălzire
- 2 robinet gaz
- 4 robinet de încărcare centrală
- 5 robinet retur încălzire
- 10 micropresostat diferențial hidrolic
- 11 manometru
- 12 valvă de siguranță
- 13 robinet golire centrală
- 14 pompă cu separator de aer
- 15 valvă automată evacuare aer
- 17 valvă gaz
- 18 schimbător apă-fum
- 19 electrod de detectare a flăcării
- 20 arzător
- 21 electrod de aprindere
- 22 colector amestec aer - gaz
- 23 mixer cu venturi
- 24 dia fragmă gaz
- 25 ventilator
- 26 termostat fum
- 27 racord coaxial
- 28 valvă automată evacuare aer
- 29 vas de expansiune
- 30 colector fum
- 31 sifon
- 32 termostat de siguranță 105°C
- 33 sondă NTC circuit de încălzire
- 34 motor valvă cu trei căi
- 35 valvă cu trei căi
- 36 presostat diferențial hidrolic
- 37 by-pass automat

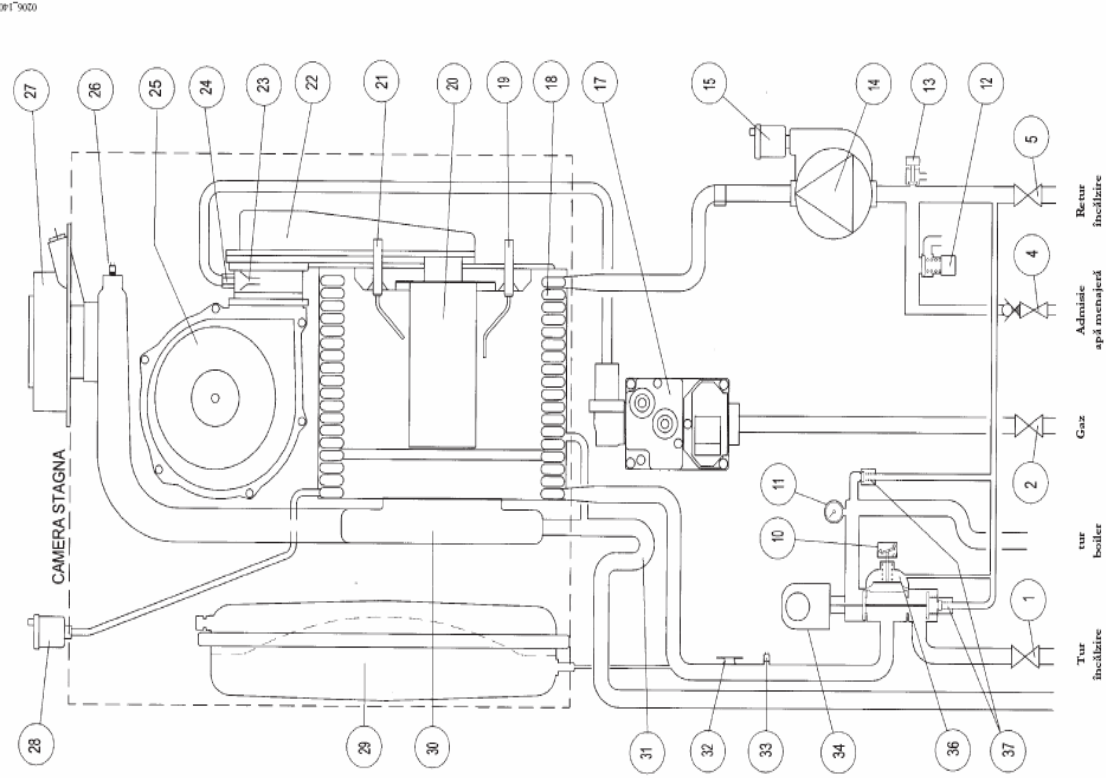
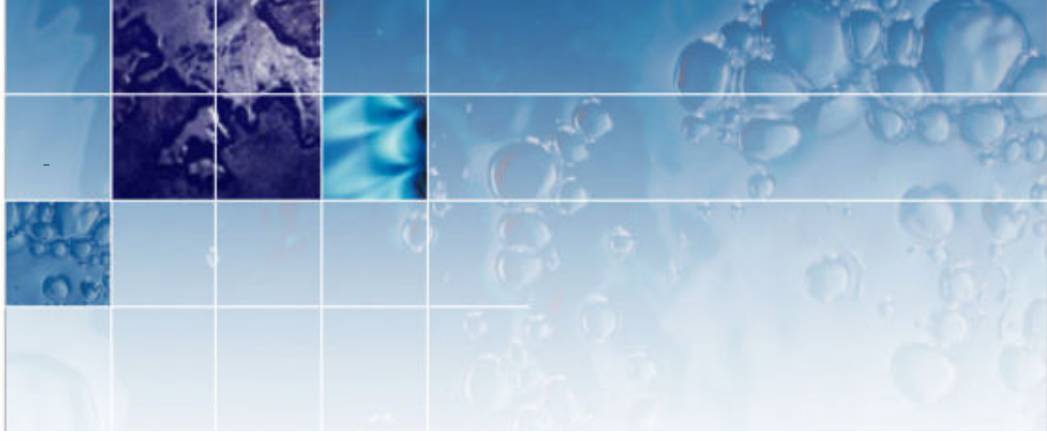


Figura 21

10x17900



## **Sistemul de modulare a flacarii**

- Aprindere electronica
- Vana de gaz cu modulare continua in regim de incalzire si ACM
- Arzator din otel inoxidabil AISI 316L
- Aprindere graduala automata



## **Sistemul de reglare a temperaturii**

- **Functionare 25-80° C incalzire**
- **Optional telecomanda SIEMENS**
- **Sonda externa optional**
- **Reglare digitala a temperaturii atat in regim CI cat si ACM**

## **Sisteme de control si siguranta**

- Sonda NTC pentru controlul electronic al temperaturii
- Autodiagnoza electronica
- Termostat de supraincalzire pentru CI
- Control electronic al prezentei flacarii
- Presostat de fum
- Presostat de minim
- Sistem antiinghet pe ambele circuite de apa
- Filtru de interferente radio
- Programare si control digital

# Accesorii siemens: LMU5

**Telecomanda**



**QAA73**

**Dispozitive de control**



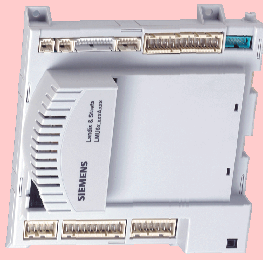
**RVA46 RVA47**

**Echipament Ext.**



**AGU2.500**

**BMU's**



**LMU54**

**Vana de gaz / Ventilator**



**VDU11 AGU3X**

**Echipamente pentru service de la distanta**



**ACS6x / OCI6x**

**Sonde de temperatura**




**HMI**



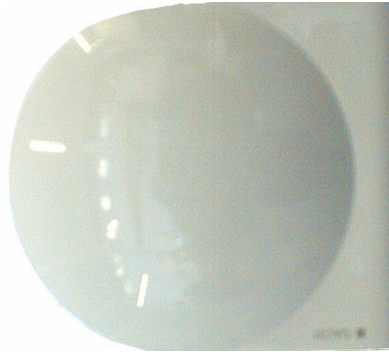
**AGU2.31**

**OCI420**

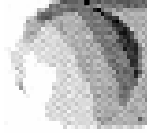




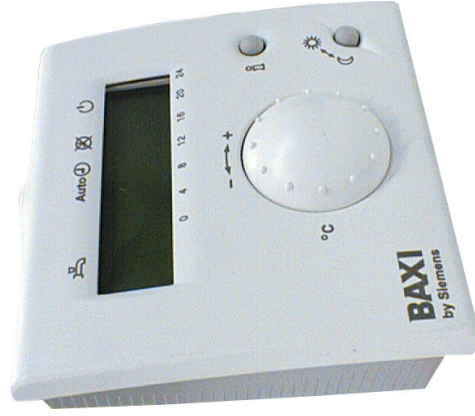
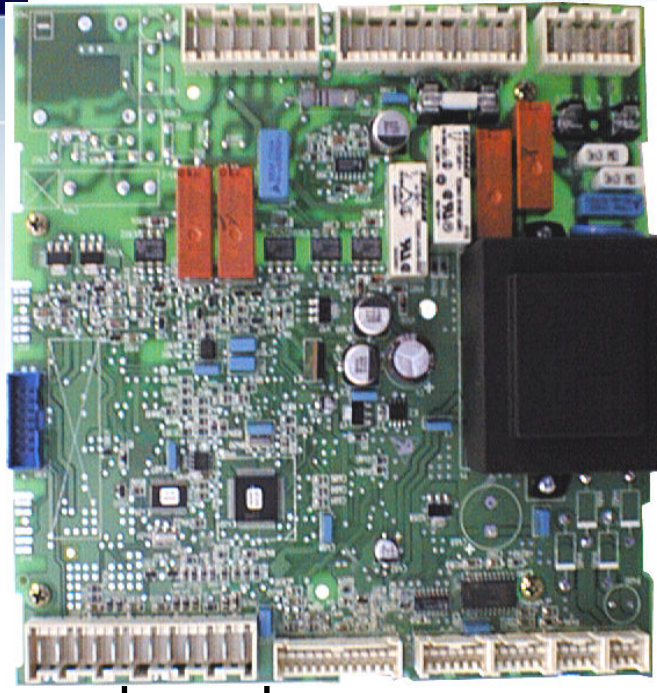
# Accesorii



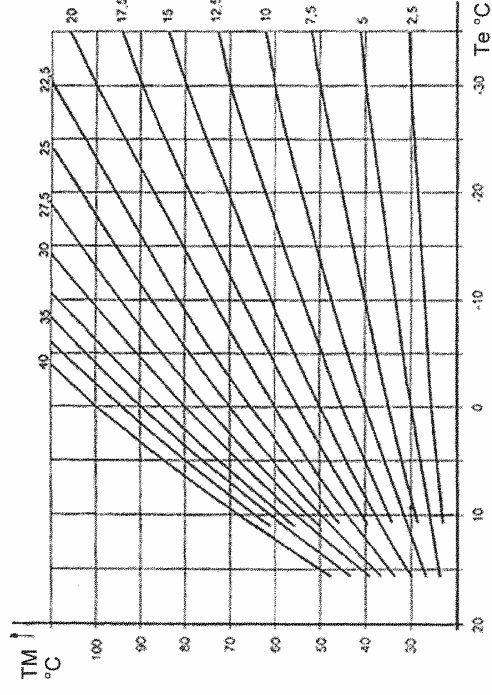
Cronotermosta  
t



Sonda externa

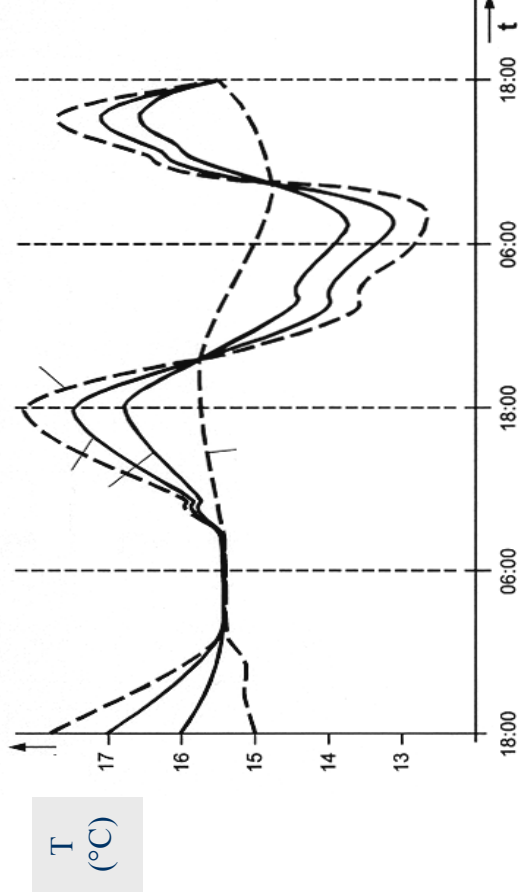


# Semnalele senzorului extern

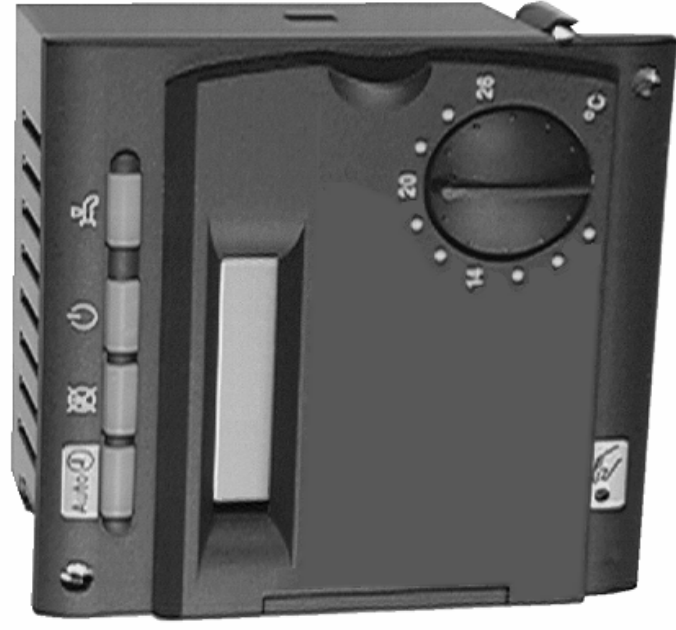


TM = Flow temperature

Te = Composite outside temperature



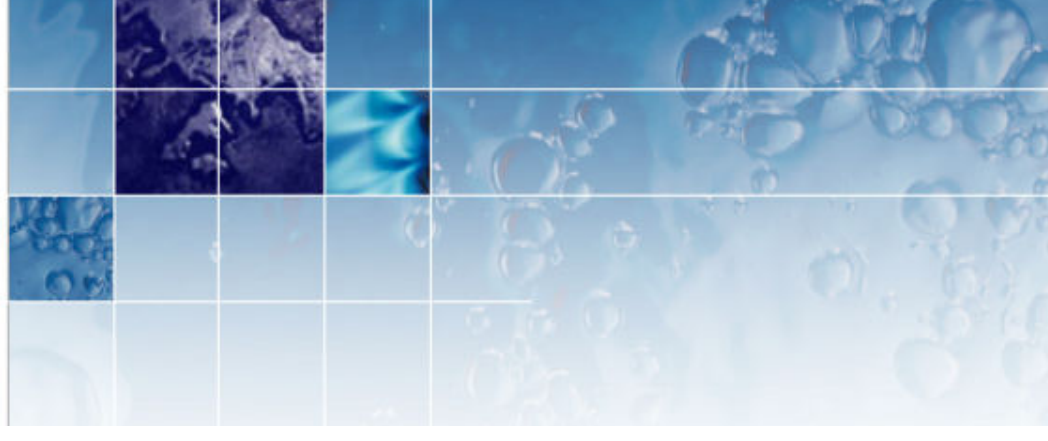
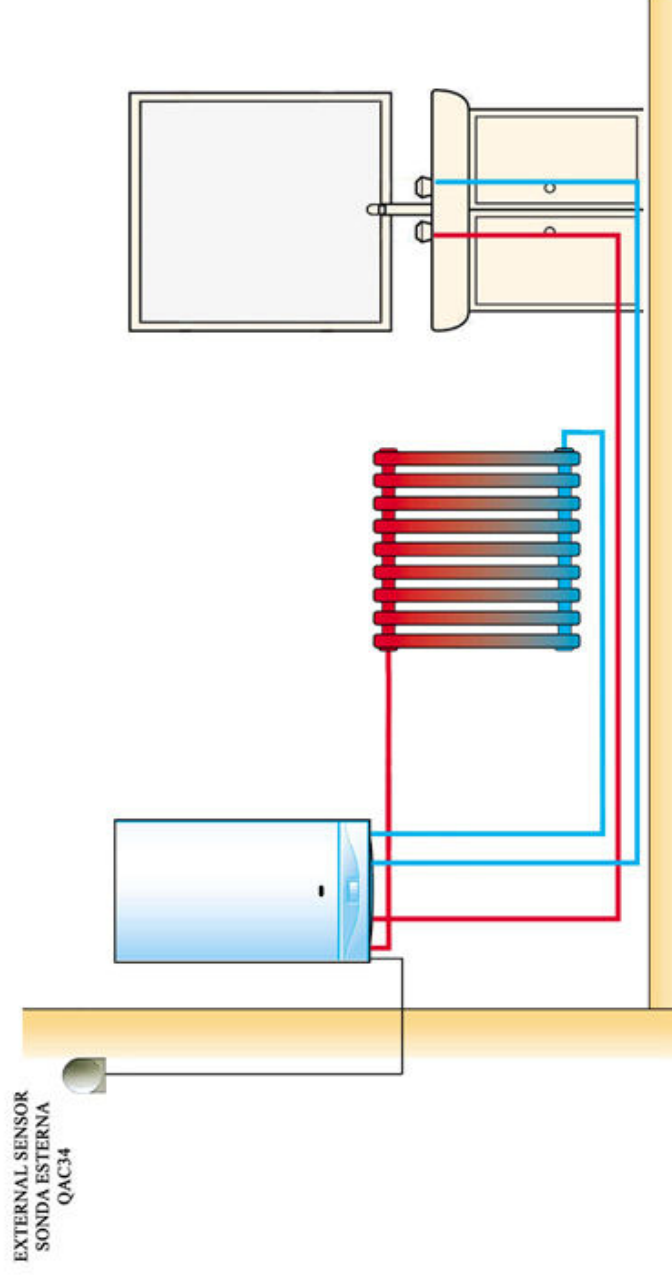
T<sub>cL</sub> : Temperatura compozita a mediului extern – cladire usoara  
 T<sub>cP</sub> : Temperatura compozita a mediului extern constructie solida



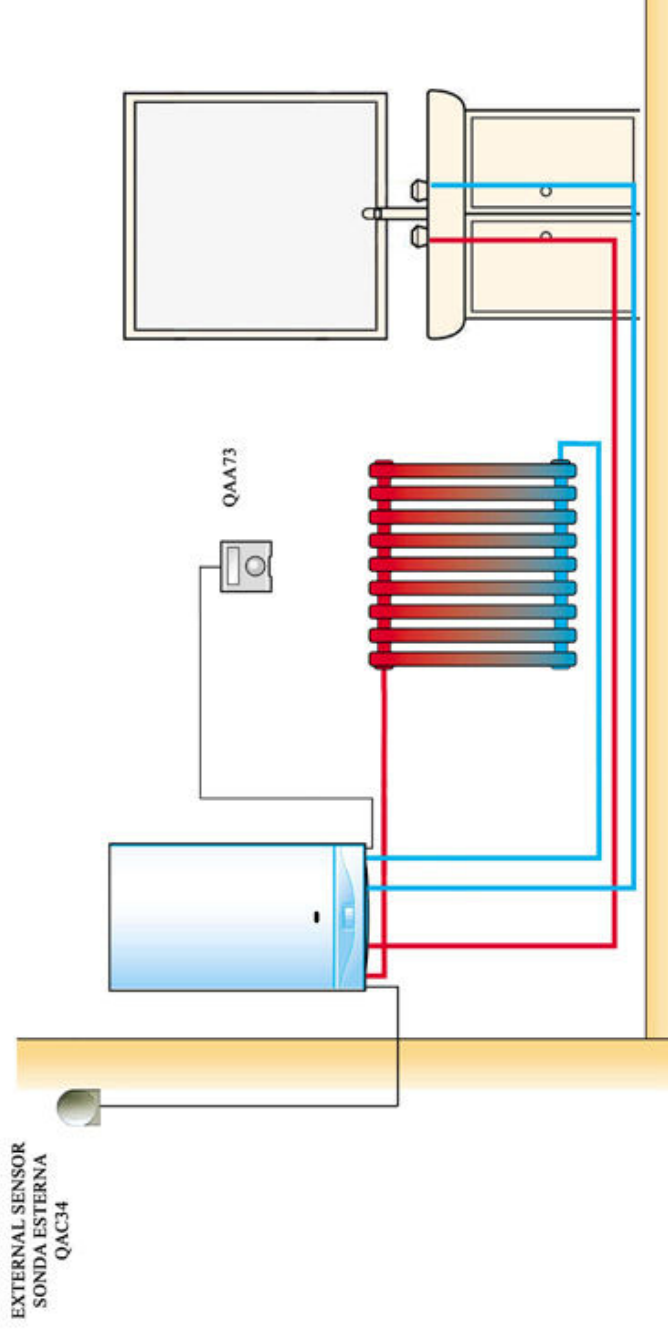
**Regulator de temperatura – in cazul legarii centralelor in cascada  
(maxim 12 centrale!)**



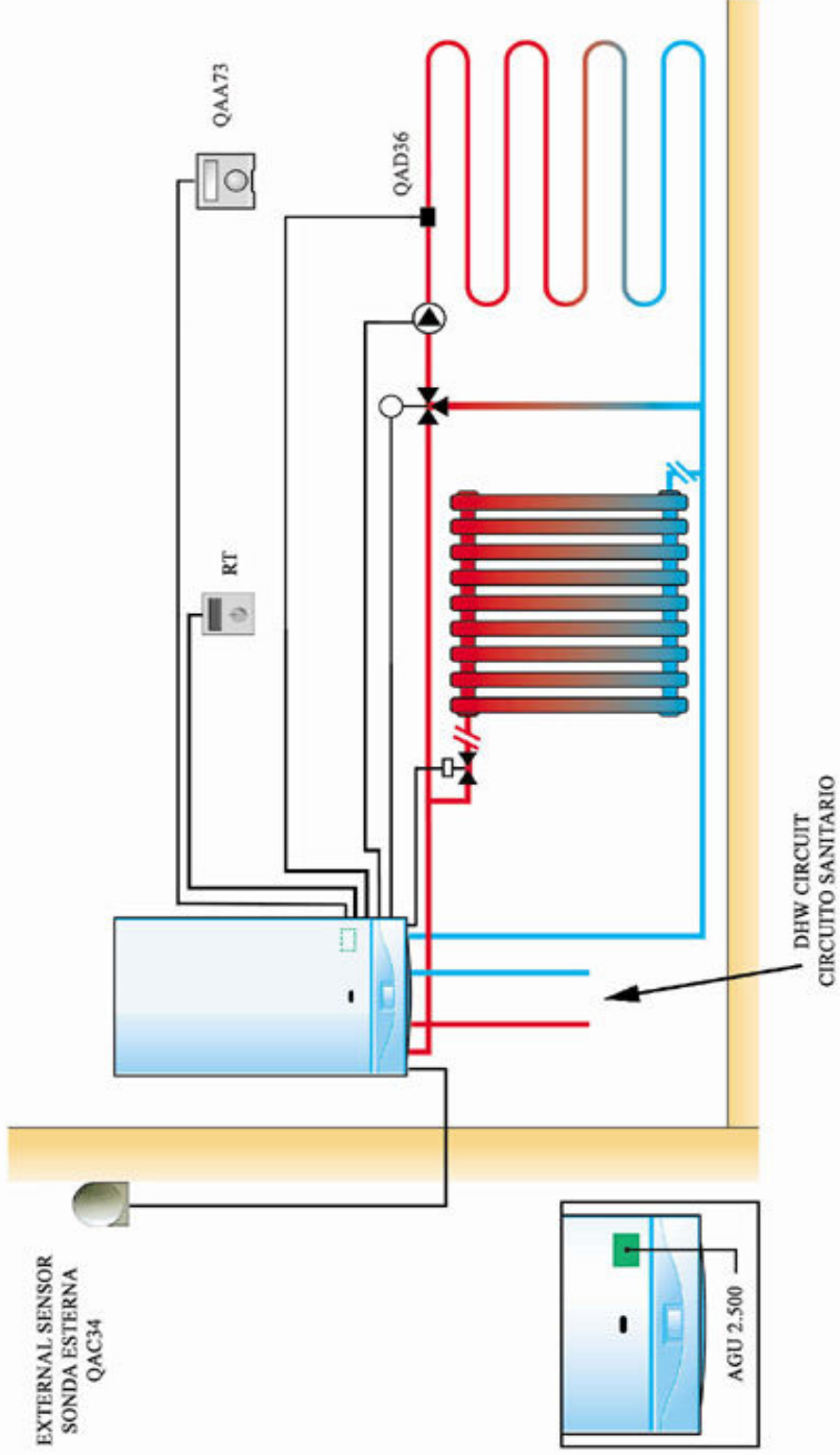
## Sonda externa - instalare



## Sonda externa si cronotermostat



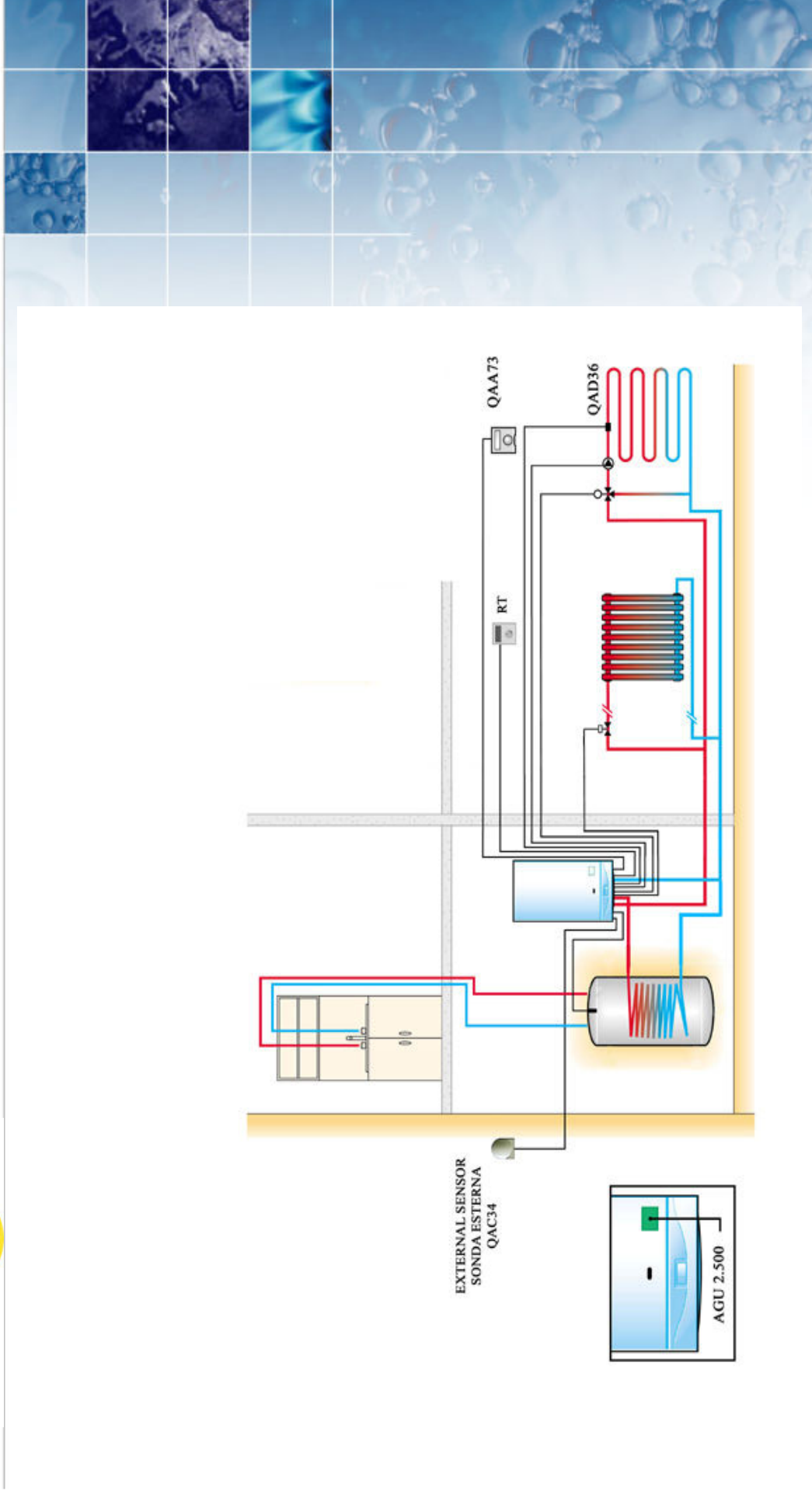
EXTERNAL SENSOR  
SONDA ESTERNA  
QAC34



BAXI ROMANIA

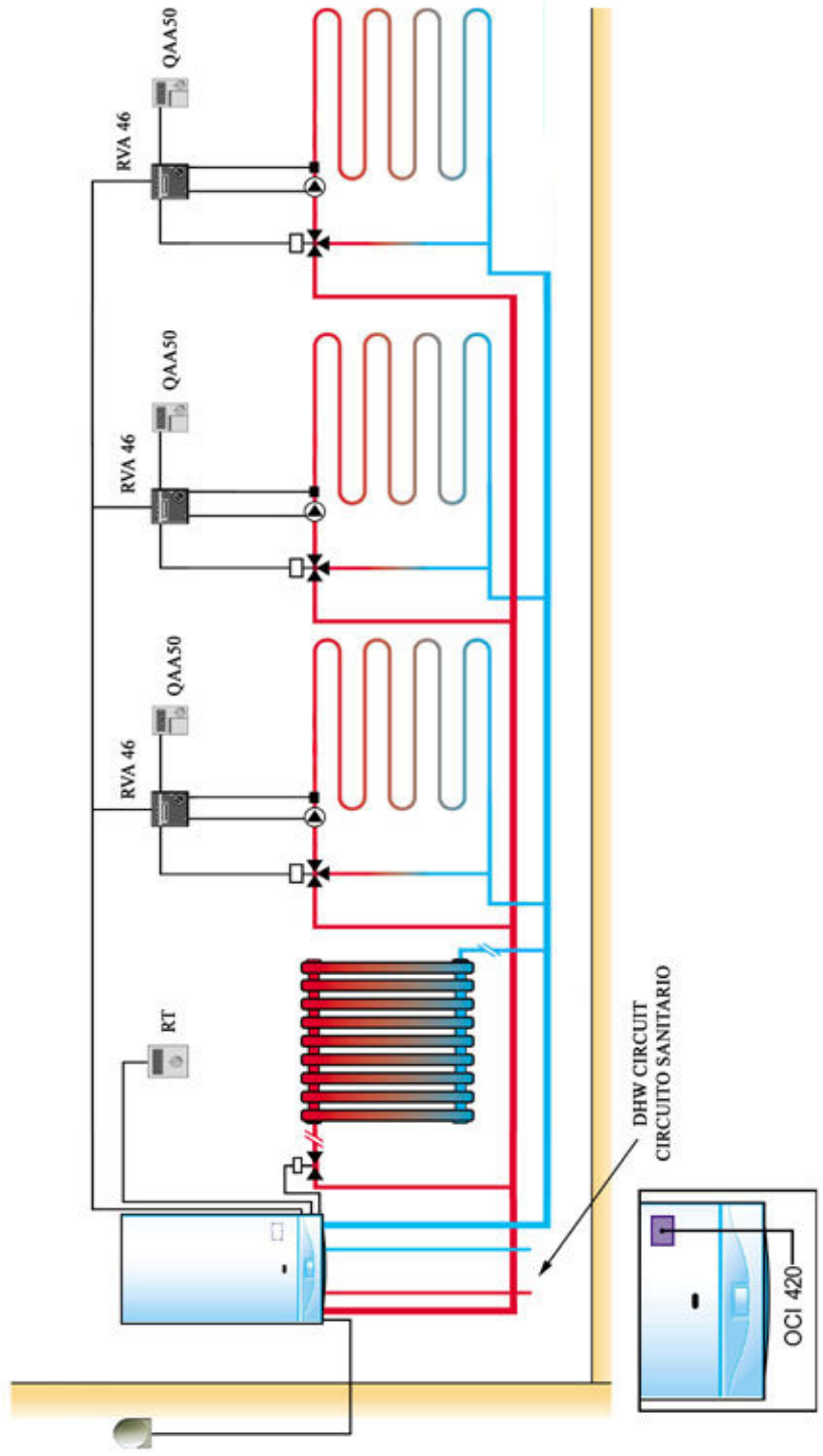








EXTERNAL SENSOR  
SONDA ESTERNA  
QAC34



BAXI ROMANIA

**Centralele Luna HT pot fi conectate in sistem cascada (pana la 12 centrale) obtinandu-se puteri termice mari, de peste 300 KW:**

