

COMPONENTS COMPATIBLE



ECO-G
Vertical economiser



VEX
Steam accumulator



ECXV KOND
Stainless steel vertical condensing economiser



MODULATING WATER SUPPLY GROUP
(Optional with Inverter on board pumps)



VRC-V
Condensation collection vessel



GSS 72H-L
Steam safety system for exemption from operation for up to a maximum of 72 hours



ADD
Feed water treatment for steam generators



GSS 24 PLUS
Steam safety system for exemption from operation for up to a maximum of 24 hours



BDV
Drain collection tank



SERVICE LEVEL AGREEMENT
19 managed services, 3 levels of offering



DEG
Atmospheric degasser



DEG/P
Pressurized degasser

ICI
POWERING EVOLUTION

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THERMAL

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Steam production **350 ÷ 5000 Kg/h**
Design pressure **12 ÷ 15 bar**

H₂
Ready

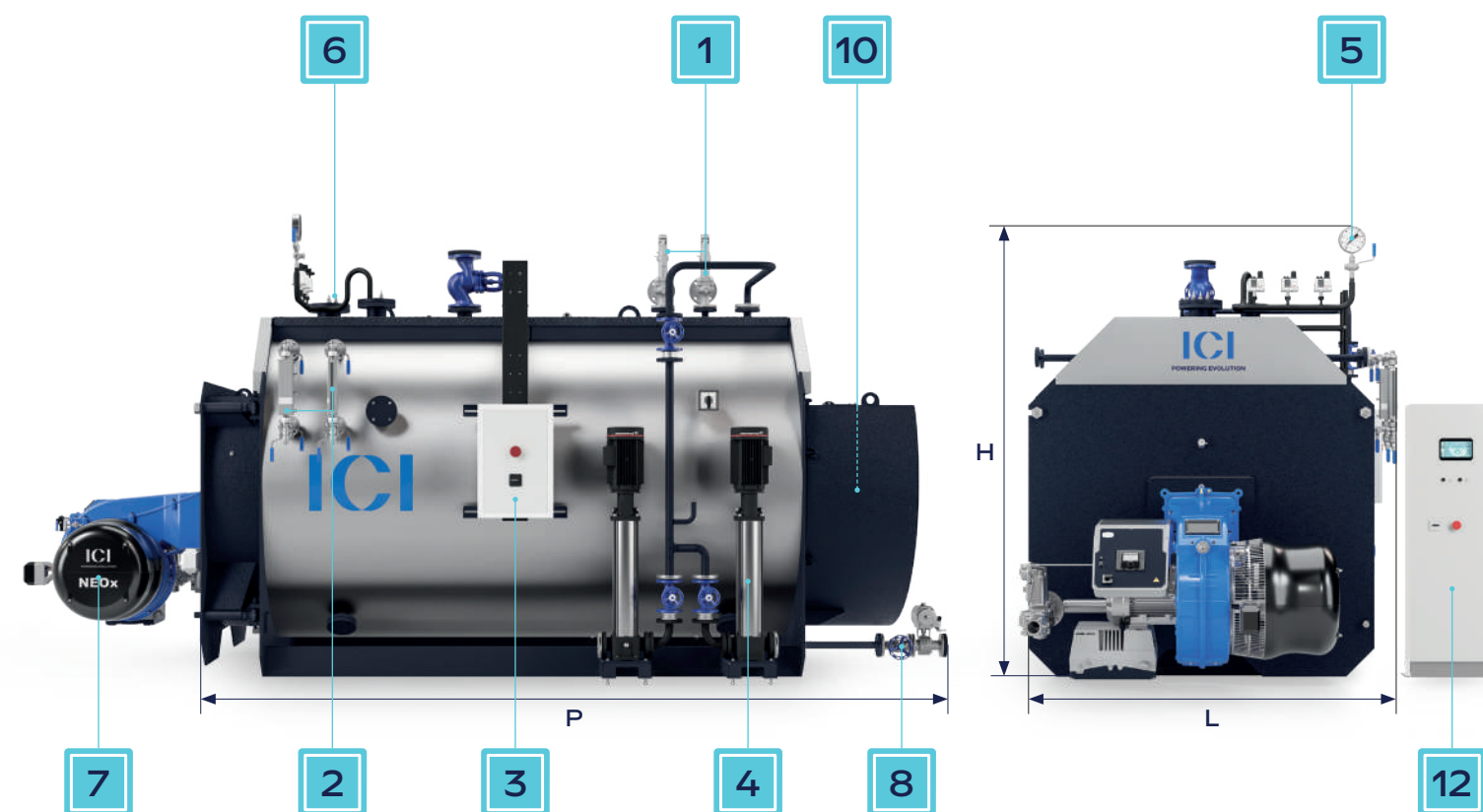


Sixen N
High efficiency
steam generation system

ICI
POWERING EVOLUTION



The SIXEN N range consists of monobloc reverse flame wet back fire tube steam boilers. This range is extremely versatile and suitable for use in different industrial processes, from food & beverage to the manufacturing industry., It is also available as built-in and complete system (SIXEN STX).



Standard accessories

1. Safety valves
2. Level indicator
3. Electrical panel
4. Water supply pumps
5. Pressure switch and manometer group
6. Level regulation probes

Optional accessories

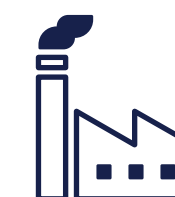
7. Burner
8. Automatic bottom purge
9. TDS salinity control
10. First and second stage economisers
11. Modulating power supply group
12. Electrical panel

ADVANTAGES

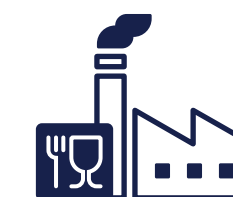
- **Control and regulation:** connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:** remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:** Methane - LPG - Naphtha - Diesel
- **Clean fuels:** Biogas - Biomethane - Biodiesel - Syngas
- **H₂ Ready:** Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**



MAIN APPLICATIONS



Industry



Food & Beverage



Oil & Gas

TECHNICAL DATA

| SIXEN N | Steam production | Design pressure | 100% Productivity (ref. P.C.I.) | Heat output | Thermal capacity |
|---------|------------------|-----------------|---------------------------------|-------------|------------------|
| | kg/h | bar | % | kW | kW |
| 350 | 350 | 12-15 | fino a 98 | 238 | 265 |
| 500 | 500 | 12-15 | fino a 98 | 341 | 379 |
| 650 | 650 | 12-15 | fino a 98 | 443 | 492 |
| 800 | 800 | 12-15 | fino a 98 | 545 | 606 |
| 1000 | 1000 | 12-15 | fino a 98 | 681 | 757 |
| 1300 | 1300 | 12-15 | fino a 98 | 886 | 984 |
| 1700 | 1700 | 12-15 | fino a 98 | 1158 | 1287 |
| 2000 | 2000 | 12-15 | fino a 98 | 1363 | 1514 |
| 2500 | 2500 | 12-15 | fino a 98 | 1703 | 1893 |
| 3000 | 3000 | 12-15 | fino a 98 | 2044 | 2271 |
| 3500 | 3500 | 12-15 | fino a 98 | 2385 | 2650 |
| 4000 | 4000 | 12-15 | fino a 98 | 2726 | 3028 |
| 5000 | 5000 | 12-15 | fino a 98 | 3407 | 3786 |

DIMENSION

| SIXEN N | H | L | P | Total weight | | | | Total volume |
|---------|------|------|------|--------------|---------|--------|---------|--------------|
| | | | | 12 bar | | 15 bar | | |
| | | | | 1 pump | 2 pumps | 1 pump | 2 pumps | |
| 350 | 1825 | 1720 | 2717 | 1600 | 1660 | 1760 | 1800 | 915 |
| 500 | 1825 | 1720 | 2717 | 1600 | 1660 | 1760 | 1800 | 915 |
| 650 | 1943 | 1840 | 3102 | 2160 | 2200 | 2360 | 2400 | 1230 |
| 800 | 1943 | 1840 | 3102 | 2160 | 2200 | 2360 | 2400 | 1230 |
| 1000 | 2150 | 2050 | 3086 | 2720 | 2780 | 2980 | 3020 | 1810 |
| 1300 | 2150 | 2050 | 3496 | 3020 | 3080 | 3240 | 3300 | 2150 |
| 1700 | 2300 | 2180 | 3678 | 4200 | 4260 | 4480 | 4540 | 2470 |
| 2000 | 2300 | 2180 | 4038 | 4600 | 4660 | 4960 | 5020 | 2840 |
| 2500 | 2460 | 2340 | 4145 | 5460 | 5500 | 5960 | 6020 | 3350 |
| 3000 | 2540 | 2340 | 4527 | 5660 | 5700 | 6080 | 6140 | 3970 |
| 3500 | 2710 | 2490 | 4720 | 7460 | 7500 | 7860 | 7920 | 5000 |
| 4000 | 2850 | 2610 | 5323 | 9160 | 9200 | 9640 | 9680 | 6950 |
| 5000 | 2970 | 2730 | 5490 | 10160 | 10200 | 10860 | 10920 | 7400 |

*ICI Caldaie S.p.a. reserves the right to make changes to the technical/dimensional information of the products in order to continue to improve their quality.

SUPPORT SERVICES

With the new Assistance Services specific to the different types of generators and the impact they have on productivity, ICI Powering Evolution customers can maintain the high efficiency status of their thermal power plants.

Activities

Each package offers a unique level of service, designed to guarantee:

- A wide range of included services
- Tailored support for specific needs
- Performance analysis and monitoring

Support service activities are grouped into 3 categories:



Basic Support



Active Support



Active Support Plus

