H2 Ready

Steam production **350 ÷ 5000 Kg/h**

Design pressure **12 ÷ 15 bar**

Sixen N

High efficiency steam generation system

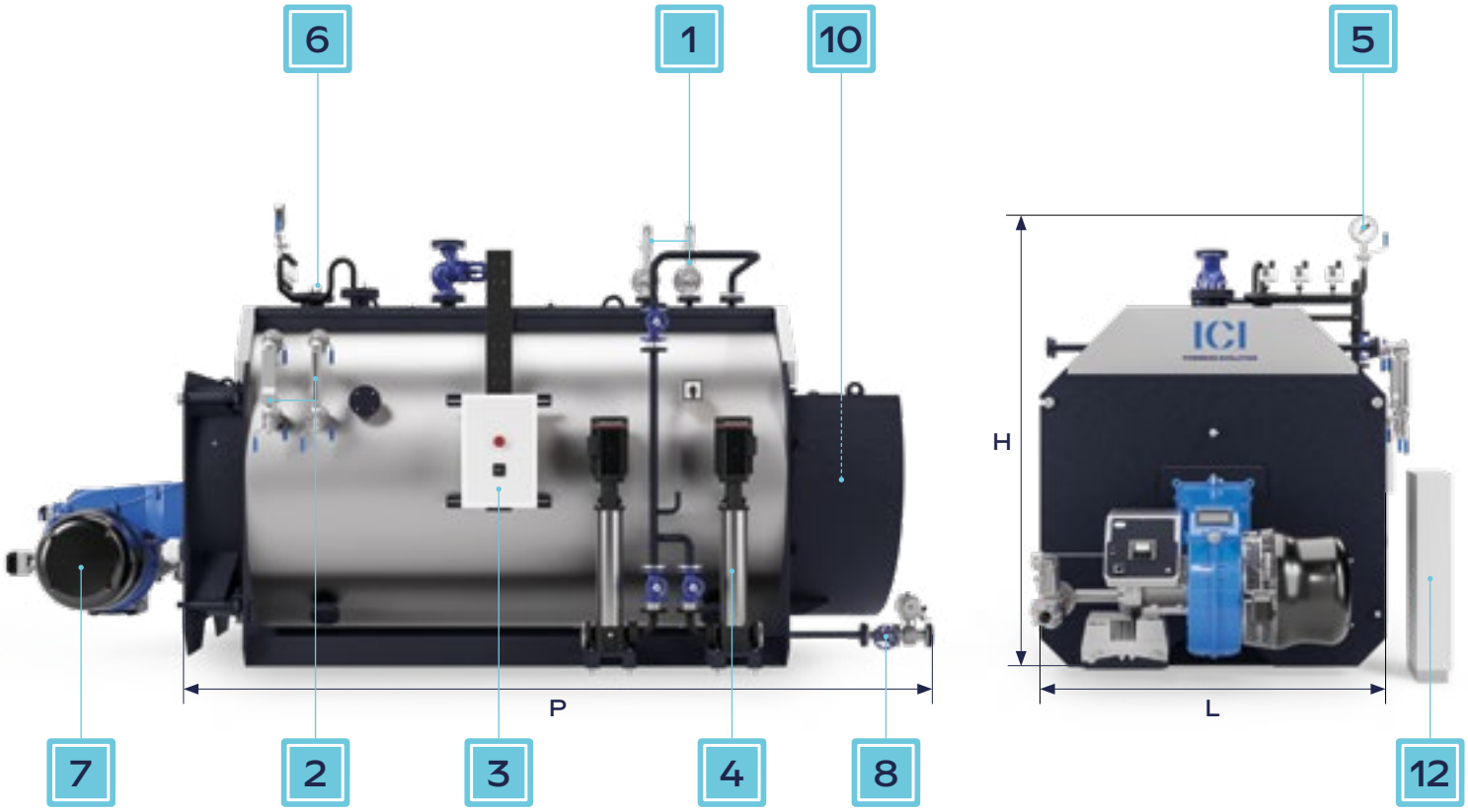
ICI

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).

TECHNICAL DATA

Sixen	Steam production	Design pressure	100% Productivity (ref. P.C.I.)	Heat output	Flow thermal
	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



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

DIMENSION

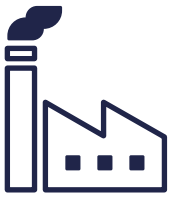
SIXEN	H	L	P	Total weight				Total volume
	mm	mm	mm	12 bar		15 bar		l
				1 pump	2 pumps	1 pump	2 pumps	
350	1825	1720	2717	1600	1660	1760	1800	915
500	1825	1720	2717	1600	1660	1760	1800	915
650	1943	1840	3102	2160	2200	2360	2400	1230
800	1943	1840	3102	2160	2200	2360	2400	1230
1000	2150	2050	3086	2720	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.

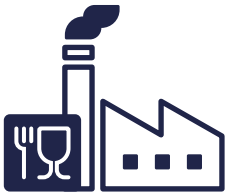
ADVANTAGES

- **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
- **H_2 Ready:**
  Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**

MAIN APPLICATIONS



Industry



Food&Beverage

Oil&Gas

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.

Activity

The support services activities are grouped into 4 categories:

- Web Access Pack
- LVL 1 - Basic Support
- LVL 2 - Advanced Support
- LVL 3 - Advanced Support Plus

ACCESSORIES AVAILABLE

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
11 managed services, 4 levels of offering

DEG
Atmospheric degasser

DEG/P
Pressurized degasser

POWERING EVOLUTION

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