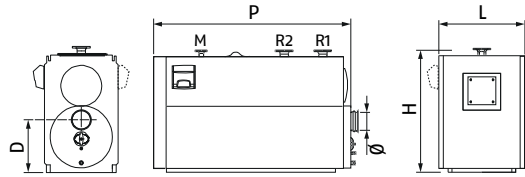


Condensing three flue gas passes stainless steel jet burners boilers

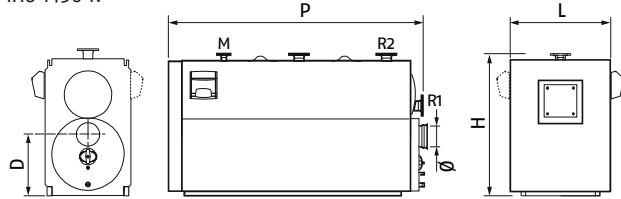
Tau N



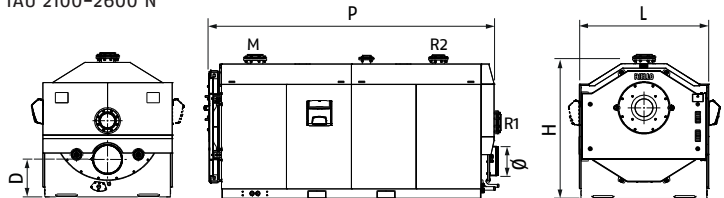
TAU 115÷1250 N



TAU 1450 N



TAU 2100-2600 N



- In conformity with Directive 2009/125/EC
- Condensing boilers made of stainless steel with three flue gas passes, with a high water content, suitable for the operation with gas jet burners

Description	H mm	L mm	P mm	D mm	Ø mm	M DN	R1 DN	R2 DN	Net weight kg
TAU 115 N	1315	740	1455	505	160	65	65	50	545
TAU 150 N	1315	740	1455	505	200	65	65	50	545
TAU 210 N	1315	740	1455	505	200	65	65	50	580
TAU 270 N	1450	850	1630	545	250	65	65	50	737
TAU 350 N	1450	850	1830	545	250	80	80	65	823
TAU 450 N	1630	900	2035	645	300	100	100	80	1185
TAU 600 N	1630	900	2235	645	300	100	100	80	1370
TAU 800 N	1910	1060	2560	680	350	125	125	80	2010
TAU 1000 N	1910	1060	2810	680	350	125	125	80	2245
TAU 1150 N	2030	1180	3010	720	400	150	150	100	2730
TAU 1250 N	2030	1180	3010	720	400	150	150	100	2730
TAU 1450 N	2180	1225	3175	805	450	150	150	100	3280
TAU 1750 N	1945	1750	3620	521	400	200	200	150	4265
TAU 2100 N	1945	1750	4020	521	400	200	200	150	4750
TAU 2600 N	2128	1850	4425	552	450	200	200	150	5550
TAU 3000 N	2170	1950	4640	600	450	200	200	150	6750

M Delivery.

R1 Low temperature return system.

R2 High temperature return system.

TAU N is a condensing floor standing boiler, with high water content for heating room installation; suitable for heating and domestic hot water production in combination with a proper water tank .

Three-pass boiler, in which all the components in contact with the flue gas smokes are in titanium-stabilized stainless steel, designed on the principle of heat stratification: the combustion chamber at the top and the tube bundle at the bottom (smooth pipes with removable turbulators), allow to optimize heat exchange and energy efficiency, so as to obtain high efficiency, thanks to the condensation technique. The generator has been designed with a structure capable of containing thermal expansions; particular attention has been paid to the thermal insulation of the boiler body, the painted steel panels and the door, with the use of high density glass wool mats.

Some models are also available in a modular version. The models up to 1450 kW are developed with a vertical structure with overlapping planes, to facilitate handling and make easier the introduction into the heating room.

The new 1750÷3000 models are developed on a "square" structure with a single planking, to maintain the high water content and, at the same time, guarantee maximum efficiency.

To make easier the inspections, maintenance and cleaning of the internal parts, the front door and the closing of the smoke chamber can be fully opened.

- Reduced average temperature of the body and quick start-up time
- Several solutions thanks to the combination with RIELLOtech control panels
- Built-in drain condensate
- Maximum operating pressure 6 bar.

TECHNICAL DATA

Description	Output kW			Useful efficiency			Back-pressure in combustion chamber mbar	Notes	Code
	Useful max 80°/60°	Useful max 40°/30°	Furnace heat output	Pn max (80°/60°) %	Pn max (40°/30°) %	Reduced load 30% of Pn (30 °C)			
TAU 115 N	112,1	123,1	115	97,5	107	108	2,2		20120144
TAU 150 N	146,3	159,7	150	97,5	106,5	108,5	2,0		4031860.0
TAU 210 N	205,2	223,6	210	97,7	106,5	109,3	2,7		4031861.0
TAU 270 N	265,1	290,2	270	98,2	107,5	109,2	3,2		4031862.0
TAU 350 N	344,1	375,2	349	98,3	107,5	108,5	4,6		4031863.0
TAU 450 N	442,4	481,5	450	98,3	107	108,5	5,0		4031864.0
TAU 600 N	589,8	642	600	98,3	107	108,5	5,5		4031865.0
TAU 800 N	786,4	860	800	98,3	107	108,5	5,7	(D)(T)	4031866.0
TAU 1000 N	983	1070	1000	98,3	107	108,5	6,3	(D)(T)	4031867.0
TAU 1150 N	1129,3	1230,5	1150	98,3	107	108,5	6,6	(D)(T)	20136528
TAU 1250 N	1229,7	1337,5	1250	98,3	107	108,5	6,8	(D)(T)	4031868.0
TAU 1450 N	1425,6	1551,5	1450	98,3	107	108,5	7,4	(D)(T)	4031869.0
TAU 1750 N	1718,5	1881,2	1750	98,3	107,5	108,7	8,4	(D)(T)	20162157
TAU 2100 N	2062,2	2258,7	2100	98,3	107,5	108,7	9,6	(D)(T)	20162158
TAU 2600 N	2553,2	2796,5	2600	98,3	107,5	108,7	11,5	(D)(T)	20162159
TAU 3000 N	2946,0	3226,8	3000	98,3	107,5	108,7	11,6	(D)(T)	20162160

(D) Availability of the material at our warehouse: 25 working days from the date of the order's validation.

(T) Product not subject to standard transport rates. For transport enhancement contact the Order Management Office.
Maximum operating pressure 6 bar.

ACCESSORIES

Description	Notes	Code
HYDRAULIC ACCESSORIES		
N2 neutralisation kit up to 450 kW		4031810
N3 neutraliser kit from 450 to 1500 kW		4031812
HN2 neutralisation kit up to 270 kW	(1)	4031811
HN3 neutraliser kit from 280 to 750 kW	(1)(D)	4031813
MECHANICAL ACCESSORIES		
Burner flange		4031196
Burner flange		20178775
Burner flange		20163867

(1) Equipped with extraction pumps.

(D) Availability of the material at our warehouse: 30 working days from the date of the order's validation.

CONTROL PANELS

Description	Installation	Code
RIELLOtech CLIMA COMFORT	Vertical	4031069

NOTE: for specific accessories, connection MODBUS and more details on control panels, please refer to page 325.

Description	Back-pressure in combustion chamber (mbar)	Gas burner										Burner accessory	Burner flange	Control panels		
		Blue flame (Low NOx)														
		Mechanical cam					Electronic cam									
							O ₂ control		O ₂ control + Inverter							
		BS3/M														
		3762350														
		3897606	RS 120/M BLU TC													
		3788006	RS 160/M BLU TC													
		3910510	RS 25/M BLU TC													
		3910610	RS 35/M BLU TC													
		3897406	RS 68/M BLU TC													
		20038484	RS 55/M BLU TC													
		3899711	RS 200/M BLU TL													
		20068219	RS 310/M BLU FS1													
		20068270	RS 440/M BLU FS1													
		3897632	RS 120/E BLU													
		3788032	RS 160/E BLU													
		3899810	RS 200/E BLU													
		3910710	RS 25/E BLU													
		3910810	RS 35/E BLU													
		3897432	RS 68/E BLU													
		20038491	RS 55/E BLU													
		20068217	RS 310/E BLU FS1													
		20068279	RS 440/E BLU FS1													
		20165996	RS 120/E 02 BLU TC													
		20164535	RS 160/E 02 BLU TL													
		20166368	RS 200/E 02 BLU TL													
		20166002	RS 310/E 02 BLU TC													
		20158157	RS 440/E 02 BLU TL													
		20154943	RS 120/EV 02 BLU TC													
		20158956	RS 160/EV 02 BLU TC													
		20156077	RS 200/EV 02 BLU TL													
		20166004	RS 310/EV 02 BLU TC													
		20174935	RS 440/EV 02 BLU TC													
		20045187	Oxygen Control kit													
		20163064	Variable speed drive 3,0 kW													
		20163071	Variable speed drive 5,5 kW													
		20163074	Variable speed drive 7,5 kW													
		20163093	Variable speed drive 11 kW													
		4031196	Burner flange													
		20178775	Burner flange													
		20163867	Burner flange													
		4031069	Riellotech Clima Comfort													
		20013035	3-point modulation kit													
TAU 2600 N	11,5															
	11,5															
	11,6															
TAU 3000 N	11,6															
	11,6															
	11,6															
	11,6															

NOTE: the gas burners must be completed with the gas train.
 NOTE: for specific accessories, connection MODBUS and more details on control panels, please refer to page 325.

HYBRID SYSTEMS

HEAT PUMPS

WALL-HUNG BOILERS

FLOOR-STANDING BOILERS

WATER-HEATERS

SOLAR THERMAL AND CYLINDERS

CENTRALIZED HEATING

AIR CONDITIONING

TERMINAL UNITS

SYSTEM COMPLEMENTARY ITEMS

HOT AIR GENERATORS

RECOMMENDED COMBINATIONS WITH BURNERS – EXTRA EU COUNTRIES

Description	Back-pressure in combustion chamber (mbar)	Gas burner																Burner flange	Control panels								
		Yellow flame (Standard)																									
		Two stage								Modulating																	
		Mechanical cam																									
		RS 44 MZ TC	RS 50 TC	RS 70 TC	RS 100 TC	RS 130 TC	RS5D	RS 310/M MZ F51	RS 410/M MZ F51	RS 250/M MZ TC	RS 190 TC	RS 34/M MZ TC	RS 44/M MZ TC	RS 50/M MZ TC	RS 70/M TC	RS 100/M TC	RS 130/M TC	RS 190/M TL	RS 190/M TC	RS 250/M MZ TL	RS 310/M MZ F51	RS 410/M MZ F51	Burner flange	Burner flange	RielloTech Klima Comfort	3-point modulation kit	
		3789110	3784702	3785102	3785302	3785502	3762016	20068351	20068361	3788410	3785813	3788710	3788810	3781622	3789610	3789710	3789810	20052616	3787623	3788411	20068351	20068361	20178757	20178775	4-031069	2-0013035	
TAU 270 N	3,2						•																			•	
	3,2											•														•	•
TAU 350 N	4,6	•																								•	
	4,6												•													•	•
TAU 450 N	5,0		•																							•	
	5,0														•											•	•
TAU 600 N	5,5			•																						•	
	5,5															•										•	•
TAU 800 N	5,7				•																					•	
	5,7																•									•	•
TAU 1000 N	6,3				•																					•	
	6,3																	•								•	•
TAU 1150 N	6,6					•																				•	
	6,6																		•							•	•
TAU 1250 N	6,8					•																				•	
	6,8																			•						•	•
TAU 1450 N	7,4										•															•	•
	7,4																		•							•	•
TAU 1750 N	8,4										•															•	
	8,4																			•						•	•
TAU 2100 N	9,6									•																•	
	9,6																				•					•	•
TAU 2600 N	11,5							•																		•	
	11,5																					•				•	•
TAU 3000 N	11,6								•																	•	
	11,6																						•			•	•

NOTE: the gas burners must be completed with the gas train.
 NOTE: for specific accessories, connection MODBUS and more details on control panels, please refer to page 325.

Description	Back-pressure in combustion chamber (mbar)	Gas burner										Burner accessory	Burner flange	Control panels			
		Blue flame (Low NOx)															
		Modulating															
		Mechanical cam					Electronic cam										
		-					O ₂ control		O ₂ control + Inverter								
		B53/M															
		3762350	RS 25/M BLU TC														
		3910510	RS 35/M BLU TC														
		3910610	RS 55/M BLU TC														
		20038484	RS 68/M BLU TC														
		3897406	RS 120/M BLU TC														
		3897606	RS 160/M BLU TC														
		3788006	RS 200/M BLU TL														
		3899711	RS 310/M BLU FS1														
		20068219	RS 410/M BLU FS1														
		20068270	RS 25/E BLU														
		3910710	RS 35/E BLU														
		3910810	RS 55/E BLU														
		20038491	RS 68/E BLU														
		3897432	RS 120/E BLU														
		3897632	RS 160/E BLU														
		3788032	RS 200/E BLU														
		3899810	RS 310/E BLU FS1														
		20068261	RS 410/E BLU FS1														
		20068294	RS 120/E 02 BLU TC														
		20165996	RS 160/E 02 BLU TL														
		20164535	RS 200/E 02 BLU TL														
		20166368	RS 310/E 02 BLU TL														
		20166002	RS 410/E 02 BLU TL														
		20158157	RS 120/EV 02 BLU TC														
		20154943	RS 160/EV 02 BLU TC														
		20158956	RS 200/EV 02 BLU TL														
		20156077	RS 310/EV 02 BLU TC														
		20166004	RS 410/EV 02 BLU TC														
		20174935	Oxygen Control kit														
		20045187	Variable speed drive 3,0 kW														
		20163064	Variable speed drive 5,5 kW														
		20163071	Variable speed drive 7,5 kW														
		20163074	Variable speed drive 11 kW														
		20163093	Burner flange														
		4031196	Burner flange														
		20178757	Burner flange														
		20178775	Burner flange														
		20163867	Riellotech Clima Comfort														
		4031069	3-point modulation kit														
		20013035															
TAU 2600 N	11,5																
	11,5																
	11,6																
TAU 3000 N	11,6																
	11,6																
	11,6																
	11,6																

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