

# Serie S

## Gas - Oil Fired, Cryolite Glass Finished Industrial Duty Water Heaters Gas - Oil Fired Burner



Industrial duty gas fired water heater designed to provide a highly cost effective water boiler for high users (SPORT CENTRES, HOSPITALS, LARGE PREMISES, CAMP SITES, HOTELS, REST HOMES, GYMS, SAUNAS ETC.).

**BOILER:** made of top quality and very thick steel casing, featuring a carefully applied cryolite glass finish, which ensures a higher resistance to scaling.

**CASING:** pre-painted sheet metal.

**BURNER:** with blown air; not included in the boiler. The burner must be installed by the customer.

**INSULATION:** made from fibreglass rolls, which ensure an even insulation.

MODEL	SERIE S - gas				
	UM	S 60	S 75	S 90	S 115
BURNER MODEL RIELLO	mod.	BS 2	BS 2	BS 3	BS 3
BURNER TYPE RIELLO	tipo	912 T1	912 T1	913 T1	913 T1
CAPACITY	Litri	320	320	317	280
NOMINAL THERMAL CAPACITY	kW	60	75	90	115
WORKING THERMAL POWER	kW	51	64	76	96
FUME EVACUATION DUCT Ø	mm	220	220	220	220
MAX WATER PRESSURE	bar	8	8	8	8
HEATING TIME AT 60° C	min.	20	15	14	9
CONSTANT DRAWING AT 60° C (ΔT 45°C)	l/h	975	1224	1455	1847
CONSTANT DRAWING AT 45° C (ΔT 30°C)	l/h	1462	1835	2180	2755
CONSTANT DRAWING AT 40° C (ΔT 25°C)	l/h	1754	2203	2615	3305
<b>METHANE G20 - 20 mbar PRESSURE valve inlet</b>					
GAS INLET PRESSURE	mbar	20	20	20	20
PRESSURE TO BURNER	mbar	4	6	3	4,3
GAS CONSUMPTION (15° C e 1013 mbar)	m³/h	6,35	7,94	9,53	12,17
<b>GAS PROPANO G31 - 30/37/50 mbar PRESSURE valve inlet</b>					
GAS INLET PRESSURE	mbar	30/37/50	30/37/50	30/37/50	30/37/50
PRESSURE TO BURNER	mbar	4,4	6,5	2,6	3,7
GAS CONSUMPTION (15° C e 1013 mbar)	Kg/h	4,9	6	7,4	9,1
<b>GAS BUTANO G30 - 30/50 mbar PRESSURE valve inlet</b>					
GAS INLET PRESSURE	mbar	30/50	30/50	30/50	30/50
PRESSURE TO BURNER	mbar	6,3	8,7	3,35	4,9
GAS CONSUMPTION (15° C e 1013 mbar)	Kg/h	4,81	5,97	7,31	9,01

MODEL	SERIE S - gas oil				
	UM	S 60	S 75	S 90	S 115
BURNER MODEL RIELLO	mod.	RG 2	RG 2	RG 3	RG 3
BURNER TYPE RIELLO	tipo	377 T1	377 T1	393 T1	393 T1
GAS OIL NOZZLE	tipo	1,25x80B	1,5x80B	1,75x80B	2,25x80B
CAPACITY	Litri	320	320	317	280
NOMINAL THERMAL CAPACITY	kW	63	76	88	114
WORKING THERMAL POWER	kW	54	64	74	96
FUME EVACUATION DUCT Ø	mm	220	220	220	220
MAX WATER PRESSURE	bar	8	8	8	8
HEATING TIME AT 60° C	min.	20	15	14	9
OIL CAPACITY	Kg/h	5,4	6,4	7,5	9,6
PUMP PRESSURE	bar	12	12	12	12
CONSTANT DRAWING AT 60° C (ΔT 45°C)	l/h	975	1224	1455	1847
CONSTANT DRAWING AT 45° C (ΔT 30°C)	l/h	1462	1835	2180	2755
CONSTANT DRAWING AT 40° C (ΔT 25°C)	l/h	1754	2203	2615	3305
<b>DIMENSIONAL FEATURES</b>					
COLD WATER INLET		1" ½	1" ½	1" ½	1" ½
HOT WATER OUTLET		1" ½	1" ½	1" ½	1" ½
DRAIN		¾	¾	¾	¾
ANODE CONNECTION		¾	¾	¾	¾
NUMBER OF ANODES		2	2	2	2
PRESSURE VALVE CONNECTOR		1"	1"	1"	1"
MAX. OPERATING PRESSURE	bar	8	8	8	8
EMPTY APPLIANCE WEIGHT	Kg	261	261	289	289

