

Condensing gas-fired storage water heater



WHC 500

T usage 38°C - T inlet 10°C - T storage 80°C



100 min
recovery time
($\Delta T = 70^\circ\text{C}$)



x 31
N° showers
period: 5 min
flow: 8 l/min



x 69
N° sinks
period: 3 min
flow: 6 l/min



x 21
N° sinks
period: 10 min
flow: 6 l/min



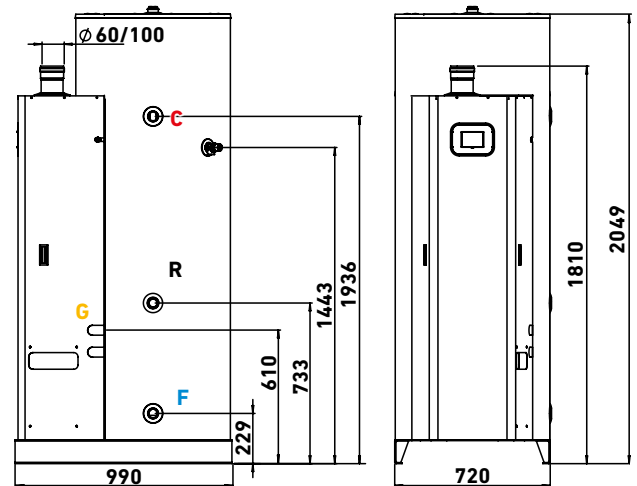
x 10
N° commercial sinks
period: 10 min
flow: 12 l/min



x 7
N° bathtubs
capacity: 170 l



Technical data			
Nominal storage capacity		L	500
Maximum working pressure		kPa (bar)	600 (6)
Rated heat input	Q _n	kW	25,0
Minimum heat input	Q _m	kW	5,0
Rated heat output	P _n	kW	24,5
Minimum heat output	P _m	kW	8,3
Gas consumption	G ₂₀	m ³ /h	2,7
Flue gas temperature	G ₂₀	°C	68
Efficiency (PCI)	G ₂₀	%	108
ERP specifications			
Energy efficiency class			B
Load profile			XXL
Efficiency	η_{wh}	%	78
Annual fuel consumption	AFC	GJ	25
Daily fuel consumption	Q _{fuel}	kWh	31,0
Annual electricity consumption	AEC	kWh	40
Daily electricity consumption	Q _{elec}	kWh	0,18
Nitrogen oxide emission	NO _x	mg/kWh	53
Noise level inside	LWA	dB	53
Mixed water 40°C	V ₄₀	L	806
Performance (T cold 15°C / T storage 80°C)			
Recovery time	$\Delta T = 25^\circ\text{C}$	min	36
Draw-off capacity - single withdrawal	$\Delta T = 25^\circ\text{C}$	L	1.300
Draw-off capacity 60 min	$\Delta T = 25^\circ\text{C}$	L	2.141
Continuous output	$\Delta T = 25^\circ\text{C}$	l/h	841
Recovery time	$\Delta T = 50^\circ\text{C}$	min	71
Draw-off capacity	$\Delta T = 50^\circ\text{C}$	L	650
Draw-off capacity - first hour	$\Delta T = 50^\circ\text{C}$	L	1.070
Continuous output	$\Delta T = 50^\circ\text{C}$	l/h	420
Electrical data			
Power consumption		W	51
Power supply		V/Hz	230V ~ 50Hz
IP-classification		IP	21
Weight and dimensions			
Empty weight		kg	207
Filled weight		kg	707
Dimensions (w x d x h)		mm	720x990x2049
Hydraulic connections			
Hot Water Outlet	C	in	1"¼
Cold Water Inlet	F	in	1"¼
Recirculation	R	in	1"¼
Gas Inlet	G	in	¾"



Package

weight Kg 229
Dimensions (L x p x h)
mm 820x1100x2100



Code
WHC500

Price
€ 5.665,00



Exhaust kit
from page 27