

# Ferrol

## PEGASUS

Cast-iron gas heating boiler



# PEGASUS

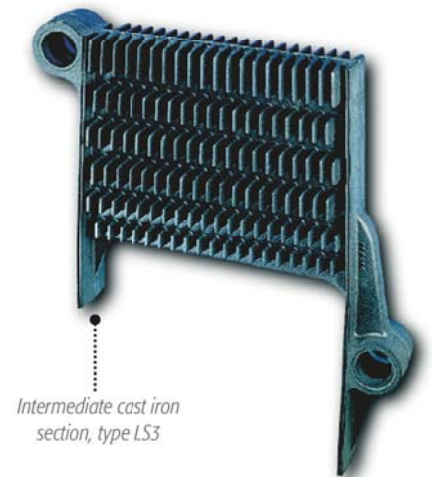
FERROLI GROUP designs and manufactures with success - since more than 50 years - cast iron boilers in its foundry and assembling lines located in northern Italy. A solid cast iron gas boiler like **PEGASUS** is a wise choice for a first installation but also in case a simple, trouble-free boiler replacement is required, thus improving system efficiency and continuing to enjoy a reliable operation that FERROLI can offer. This is possible thanks to its skilled research and its efficient and certified production process and premises (AD 2000, ISO 9001:2008) as well as products homologated and appreciated around the world.

## > BOILER BODY

**PEGASUS** is a floor standing gas boiler for heating only, natural draught, with semi-cooled combustion chamber. The boiler body is made in cast iron sections nipped together and generously insulated.

Two different cast iron sections are adopted, according to the boiler size.

For smaller boilers (56-107 kW), element with factory name "B.A.G. 21" is used, whereas for higher outputs (119-289 kW) section named as "LS3" is mounted.



Intermediate cast iron section, type LS3

## > BURNER

The burner is made of AISI 304 stainless steel heads. Electronic ignitions occurs through intermittent pilot flame, whose ionisation current is detected by a dedicated safety device. Pegasus burner group operates a steady and clean combustion.

It operates on natural gas G20/G25, or, through the specific transformation kit, on liquid gas G30/G31.



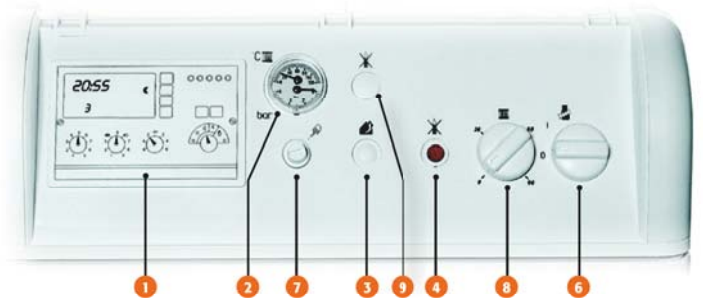
Burner set, Pegasus F3 N 119 2S

## > CONTROL BOARD

### PEGASUS 56



### PEGASUS 2S



1 Lodging for optional electronic controller 2 Hydrometer 3 Plug (for Pegasus F3) or flues thermostat cover (other models) 4 Flame controller reset button with shutdown light 5 Boiler control thermostat 6 On-Off-Test switch 7 Safety thermostat (with manual reset for 2S models, inside the panel with automatic reset for mod. 56) 8 2-stage boiler control thermostat 9 Plug

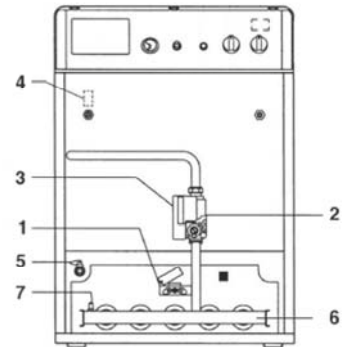
# PEGASUS

## > THE RANGE

The range, spreading from 56 to 289 kW features different characteristics, herebelow summarised:

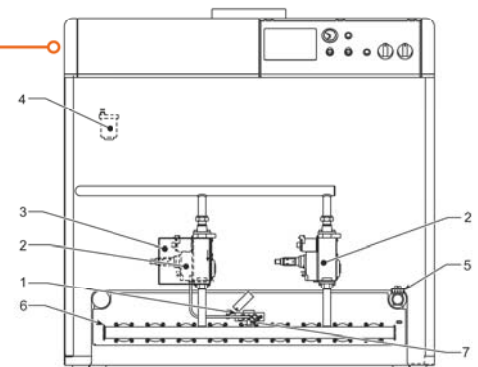
### ONE STAGE OPERATION

**Single gas valve:**  
PEGASUS 56



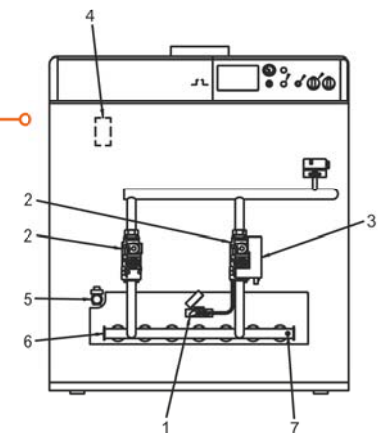
### TWO STAGES OPERATION

**Single gas valve:**  
PEGASUS 67 2S  
PEGASUS 77 2S  
PEGASUS 87 2S  
**Two gas valves:**  
PEGASUS 97 2S  
PEGASUS 107 2S



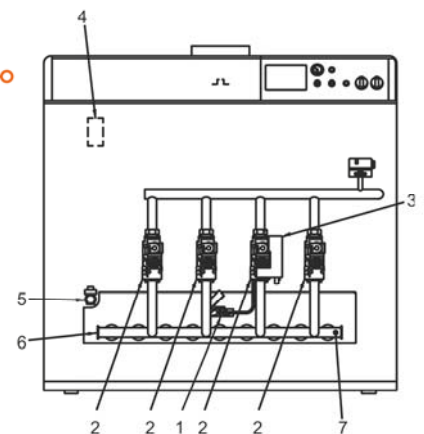
### TWO STAGES OPERATION

**Two gas valves:**  
PEGASUS F3 N 119 2S  
PEGASUS F3 N 136 2S



### TWO STAGES OPERATION

**Four gas valves:**  
PEGASUS F3 N 153 2S  
PEGASUS F3 N 170 2S  
PEGASUS F3 N 187 2S  
PEGASUS F3 N 221 2S  
PEGASUS F3 N 255 2S  
PEGASUS F3 N 289 2S

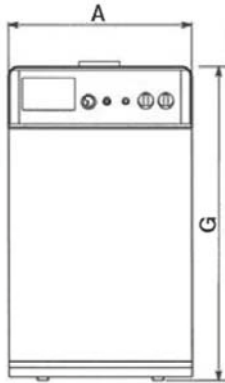


- 1 Pilot burner assembly 2 Gas valve for all models 3 Electronic flame controller
- 4 Automatic air vent 5 Boiler drain cock 6 Burner assembly 7 Burner pressure point

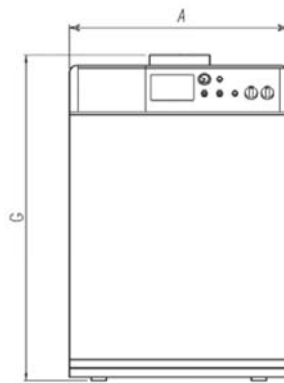
## > DIMENSIONS

FRONT  
VIEW

PEGASUS 56

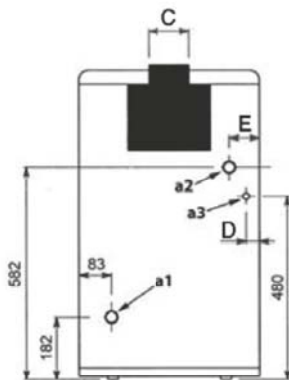


PEGASUS 67-289

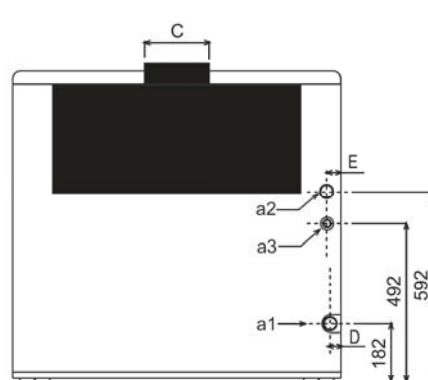


BACK  
VIEW

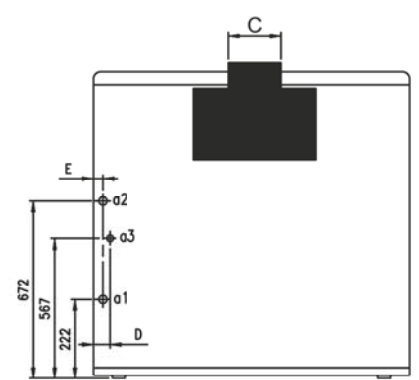
PEGASUS 56



PEGASUS 67-107

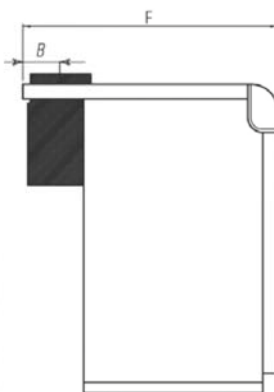


PEGASUS F3



SIDE  
VIEW

ALL MODELS



**KEY**

- a1** Central heating return
- a2** Central heating flow
- a3** Gas inlet

## > TECHNICAL DATA

MODEL			56	67	77	87	97	107	119	136	153	170	187	221	255	289	
Number of sections		no.	6	7	8	9	10	11	8	9	10	11	12	14	16	18	
Thermal input	max	kW	61,6	73,3	84,2	95,2	106,0	117,0	131,0	149,0	168,0	187,0	206,0	243,0	280,0	317,0	
	min	kW	24,5	31,0	35,7	40,3	45,0	49,0	77,0	89,0	100,0	110,0	122,0	144,0	166,0	188,0	
Thermal output	max	kW	56,0	67,0	77,0	87,0	97,0	107,0	119,0	136,0	153,0	170,0	187,0	221,0	255,0	289,0	
	min	kW	21,6	27,3	31,4	35,5	39,6	43,0	71,0	82,0	92,0	102,0	112,0	133,0	153,0	173,0	
Efficiency Pmax	80-60°C		90,9	91,4	91,5	91,4	91,5	91,5	91,2	91,3	91,4	91,5	91,6	91,7	91,9	92	
Efficiency class Directive 92/42 EEC			★★														
Operating pressure	max	bar	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Operating temperature	max	°C	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Boiler water content		lt	16,6	19,1	21,6	24,1	26,6	29,1	38	42	46	50	54	62	70	78	
Dimensions	A	mm	600	760	850	930	1.020	1.100	930	1.020	1.100	1.190	1.270	1.440	1.610	1.780	
	B	mm	95	100	110	110	110	120	133	148	148	173	173	173	198	198	
	C	mm	180	180	200	200	200	220	220	250	250	300	300	300	350	350	
	D	mm	40	32	32	32	32	32	50	53	58	60	58	57	62	66	
	E	mm	80	42	42	42	42	42	42	45	43	46	44	45	46	49	
	F	mm	83	760	760	760	760	760	760	1.050	1.050	1.050	1.050	1.050	1.100	1.100	
	G	mm	850	970	970	970	970	970	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	
	a1	ø	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	2"	2"	2"	2"	2"	2"	2"	2"
	a2	ø	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	2"	2"	2"	2"	2"	2"	2"	2"
a3	ø	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1" 1/2	1" 1/2	1" 1/2	1" 1/2	1" 1/2	1" 1/2	
Max electrical input		W	15	30	30	30	30	30	32	32	60	60	60	60	60	60	
Power supply voltage		V/Hz	230/50														
Protection rating		IP	X0D														

## > STANDARD DEVICES EQUIPMENT

- > Boiler safety thermostat (set to 110°C): automatic for Pegasus 56, once temperature has decreased of 10°C and malfunction been solved; for bigger models thermostat reset is manual.
- > Pilot flame detection device
- > Gas pressure switch (Pegasus N F3 2S)
- > Integrated safety and pilot gas valve
- > Gas pressure stabiliser
- > 60°C flues thermostat (Pegasus 56, 67-107 2S)
- > Central heating regulation thermostat
- > Water gauge (range 0-120°C, 0-8 bar)
- > Automatic air vent
- > Boiler drain valve
- > Flues test point
- > Electrical connection for central heating pump
- > Lodging and electrical presetting for an electronic controller
- > Water pressure switch (Pegasus 67-289 2S)
- > Auxiliary contact for connection of an external ON-OFF control device (Pegasus 56, 67-107 2S)

# ferroli



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