R.Br	Naziv	Kota	Par	Opis
0	Par000	**25**	Heat Up Timeout (Phase2) Ignition Timeout (in minutes):	Maximum wait time for successful firing in the Ignition phase
1	Par001		Ignition Test Timeout	Test Fire Timeout(in minutes): Maximum wait time for flame detection with igniter off in the Test Fire sequence.
2	Par002	**20**	Fuel Type Select Fuel Mode:	1-Auto – default pellets related feeder and fan parameters are used 2=User – Pellets quality can be selected with PAR92. Based on this selection different feeder and/or fan 1 settings are calculated relatively to the default parameters, set with hidden parameters 53-58 3=Wood – switch to wood mode. Based on PAR93 one of
3	Par003	**10**	Heat Up Feeder OFF Time Heat Up sequence feeder OFF time:	Defines the feeder pause (no dosing) during the Heat Up sequence.
4	Par004	**200**	Heat Up Feeder ON Time Heat Up sequence feeder ON time:	Defines the feeder dosing time during the Heat Up sequence
5	Par005	**180**	Fuel Ignition Feeder 1 OFF **Time**	Fuel Ignition sequence feeder OFF time: Defines the feeder pause during the Fuel Ignition sequence.
6	Par006	**25**	Fuel Ignition Feeder 1 ON Time	Fuel Ignition sequence feeder ON time: Defines the feeder dosing time during the Fuel Ignition
7	Par007	**180**	Ignition Test Feeder 1 OFF Time	Ignition Test sequence feeder OFF time: Defines the feeder pause during the Ignition Test
8	Par008	**30**	Ignition Test Feeder 1 ON Time	Ignition Test sequence feeder ON time: Defines the feeder dosing time during the Ignition Test
9	Par009	**120**	Power 1 Feeder 1 OFFTime	Power 1 feeder OFF time: Defines the feeder pause at power level 1 in the Burning
10	Par010	**40**	Power 1 Feeder 1 ONTime	Power 1 feeder ON time: Normal regulation - defines the feeder dosing time at power level 1. Advanced regulation - defines the MINIMUM dosing time for the PID regulator. Controller calculates the feeder
11	Par011	**120**	Power 2 Feeder 1 OFF Time	Power 2 feeder OFF time: Defines the feeder pause at power level 2 in the Burning phase.
12	Par012	**50**	Power 2 Feeder 1 ON Time	Power 2 feeder ON time: Defines the feeder dosing time at power level 2 in the Burning phase.
13	Par013	**120**	Power 3 Feeder 1 OFF Time	Power 3 feeder OFF time: Defines the feeder pause at power level 3 in the Burning phase.
14	Par014	**60**	Power 3 Feeder 1 ON Time	Power 3 feeder ON time: Defines the feeder dosing time at power level 3 in the Burning phase.
15	Par015	**120**	Power 4 Feeder 1 OFF Time	Power 4 feeder OFF time: Defines the feeder pause at power level 3 in the Burning phase.
16	Par016	**70**	Power 4 Feeder 1 ON Time	Power 4 feeder ON time: Defines the feeder dosing time at power level 3 in the Burning phase.
17	Par017	**100**	Power 5 Feeder 1 OFF Time	Power5 feeder OFF time: Defines the feeder pause at power level 3 in the Burning phase.
18	Par018	**100**	Power 5 Feeder 1 ON Time	Power5feeder ON time: Defines the feeder dosing time at power level 3 in the Burning phase.

19	Par019	**200**	Stop Fire Fan 1 Speed	Defines the fan 1 speed during the Stop Fire sequence. Stop Fire is active when the heating device is turned OFF and flue gases are not cooled below PAR56. In BURNER configuration the Stop Fire runs until the Flam+E25e Sensor gives the NO FLAME signal (set with PAR79 and PAR80). Options: OPEN LOOP mode (settings 0-255 are 0-100% applied voltage to the motor. Exact speed of the motor is not measured) CLOSED SPEED LOOP mode (settings 0-255 are 0-2900 rpm of
20	Par020	**200**	Test Fire Fan 1 Speed	Test Fire is executed when the heating device is switched ON and30 seconds after the temperature of flue gases is higher than PAR54 or the Flame Sensor reports the FLAME condition (in Burner mode). In this sequence, the controller starts the fan with the set speed. At the end of the sequence it checks
21	Par021	**100**	Heat Up Fan 1 Speed	FAN1 speed in Heat Up sequence: Defines the fan speed in the Heat Up sequence.
22	Par022	**175**	Fuel Ignition Fan 1 Speed	FAN1 speed in Fuel Ignition sequence: Defines the fan speed in the Fuel Ignition sequence.
23	Par023	**200**	Ignition Test Fan 1 Speed	FAN1 speed in Ignition Test sequence: Defines the fan speed in the Ignition Test sequence.
24	Par024	**200**	Power 1 Fan 1 Speed	FAN1 speed at power 1: Normal regulation - defines the FAN1 speed at power 1 (depends on the selected fan mode - open loop, closed speed loop or closed pressure loop). Advanced regulation – defines the MINIMUM allowed FAN1 speed for the PID regulator. Controller calculates the
25	Par025	**210**	Power 2 Fan 1 Speed	FAN1 speed at power 2: Defines the FAN1 speed at power 2 (depends on the selected fan mode - open loop, closed speed loop or closed pressure
26	Par026	**215**	Power 3 Fan 1 Speed	FAN1 speed at power 3: Defines the FAN1 speed at power 3 (depends on the selected fan
27	Par027	**220**	Power 4 Fan 1 Speed	FAN1 speed at power 4: Defines the FAN1 speed at power 4 (depends on the selected fan mode - open loop, closed speed loop or closed pressure
28	Par028	**230**	Power 5 Fan1 Speed	FAN1 speed at power 5: Normal regulation – defines the FAN1 speed at power 5 (depends on the selected fan mode – open loop, closed speed loop or closed pressure loop). Advanced regulation – defines the MAXIMUM allowed FAN1

29	Par029	**0**	Test Fire Fan 2 Speed	FAN2 speed in Test Fire sequence NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2
30	Par030	**130**	Stop Fire Fan 2 Speed	FAN2 speed in Stop Fire sequence: NOTE: If the flue gases temperature is below PAR58 in FAN2AsAmbient mode, FAN2 is switched off.
31	Par031	**0**	Heat Up Fan 2 Speed	FAN2 speed in Heat Up sequence NOTE: If the flue gases temperature is below PAR58 in FAN2 for
32	Par032	**140**	Fuel Ignition Fan 2 Speed	NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2 for Room Heating mode, FAN2 is switched off.
33	Par033	**160**	Ignition Test Fan 2 Speed	FAN2 speed in Ignition Test sequence NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2
34	Par034	**120**	Power 1 Fan 2 Speed	Normal regulation – defines the FAN2 speed at power 1 (depends on the selected fan mode – Fan 2 for Room Heating, Fan 2 As Chimney, or Fan 2 As Chimney used in closed pressure loop). Advanced regulation – defines the MINIMUM allowed FAN2 speed for the PID regulator. Controller calculates the FAN2 speed **for each power PID regulator output.**
35	Par035	**130**	Power 2 Fan 2 Speed	FAN2 speed at power 2: NOTE: Not used when advanced regulation is selected. NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2
36	Par036	**140**	Power 3 Fan 2 Speed	FAN2 speed at power 3: NOTE: Not used when advanced regulation is selected. NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2
37	Par037	**150**	Power 4 Fan 2 Speed	FAN2 speed at power 4: NOTE: Not used when advanced regulation is selected. NOTE: If the flue gases temperature is below PAR58 [°C] in FAN2
38	Par038	**160**	Power 5 Fan 2 Speed	Normal regulation – defines the FAN2 speed at power 5 (depends on the selected fan mode – Fan 2 for Room Heating, Fan 2 As Chimney, or Fan 2 As Chimney used in closed pressure loop). Advanced regulation – defines the MAXIMUM allowed FAN2 speed for the PID regulator. Controller calculates the FAN2 speed
39	Par039	**180**	Quickheat Fan 2 Speed	FAN2 speed at Quickheat power: Defines the FAN2 speed at Quickheat power in FAN2 for Room Heating mode. NOTE: If the flue gases temperature is below PAR58 [°C]

40	Par040	**0**	Stop Fire Fan 3 Speed	FAN3 speed in Stop Fire sequence NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air temperature sensor (NTC) must be connected to I/O T02.
41	Par041	**0**	Test Fire Fan 3 Speed	FAN3 speed in Test Fire sequence NOTE: FAN3 does not operate in this sequence
42	Par042	**0**	Heat Up Fan 3 Speed	FAN3 speed in Heat Up sequence NOTE: FAN3 does not operate in this sequence.
43	Par043	**0**	Fuel Ignition Fan 3 Speed	FAN3 speed in Fuel Ignition sequence NOTE: FAN3 does not operate in this sequence
44	Par044	**100**	Ignition Test Fan 3 Speed	FAN3 speed in Ignition Test sequence NOTE: FAN3 does not operate in this sequence.
45	Par045	**110**	Power 1 Fan 3 Speed	FAN3 speed at power 1 NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air
46	Par046	**120**	Power 2 Fan 3 Speed	FAN3 speed at power 2 NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air temperature sensor (NTC) must be connected to I/O T02.
47	Par047	**130**	Power 3 Fan 3 Speed	FAN3 speed at power 3 NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air temperature sensor (NTC) must be connected to I/O T02.
48	Par048	**140**	Power 4 Fan 3 Speed	FAN3 speed at power 4 NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air temperature sensor (NTC) must be connected to I/O T02.
49	Par049	**150**	Power 5 Fan 3 Speed	FAN3 speed at power 5 NOTE: FAN3 operates in ON/OFF mode only. The valid settings for this parameter are 0 (FAN3 OFF) or 255 (FAN3 ON at maximum speed). You must also set the PAR77 and an air temperature sensor (NTC) must be connected to I/O T02.

50	Par050	**10**	Cool Fluid Exit Temperature Difference	Cool Fluid exit temperature difference(in °C): In Stove mode: the heating device restarts after room temperature drops below [PAR51-PAR50]. PAR50 is set in 0.1 degrees (10 equals 1.0°C), PAR51 is set in degrees (20 equals 20°C). In Stove mode with water pump: the heating device restarts after air temperature drops below [PAR51-PAR50] in 0.1 degree resolution and water temperature drops below [PAR52-PAR96]. Note that PAR51 defines desired air temperature and PAR52defines desired water temperature (for Stove mode with water pump only!). In Boiler/Burner mode: the heating device restarts after
51	Par051	**80**	Water/Air Temperature	Desired Water/Air temperature (in °C): In Stove mode: defines the desired air temperature in xx.x°C (maximum setting value is 51.0). In Stove mode with water pump: defines the desired air (room) temperature in xx.x°C (maximum setting value is 51.0). In Boiler/Burner mode: defines the desired water temperature in xx°C. In Boiler mode with accumulator,
52	Par052	**0**	Water Temperature in Stove Mode	In Stove mode with water pump: this parameter defines the desired outbound water temperature in °C. Feeder slows dosing when water temperature nears PAR52 (in °C).
53	Par053	**0**	Cool Fluid Entry Temperature Difference	In Stove mode: if set to 0, the stove does not stop. In this case you can use the external thermostat (connected to I/O I03) for switching the stove ON/OFF. If set to <>0, the stove enters **Cool Fluid when air temperature exceeds [PAR51 (in °C) +PAR53 (in 0.1°C)].** **In Stove mode with water pump: The stop temperature based on the air temperature measurement is the same**
54	Par054	**55**	Ignition Test Gases Temperature	Ignition Test gases temperature (in °C): Defines the temperature threshold in the Ignition Test sequence when the controller starts checking the flue gases temperature slope. If the temperature rises for at least 3 °C/min and the flue gases temperature exceeds PAR56,
55	Par055	**250**	Modulation Start Gases Temperature	Gases modulation start temperature (in °C): Flue gases temperature threshold, when the controller begins
56	Par056	**600**	Heating Device OFF Gases Temperature	Stop Fire exit temperature (in °C): In the Stop Fire sequence the FAN1 operates until the flue
57	Par057	**200**	Maximum (Error) Gases Temperature	Alarm triggering gases temperature (in °C): If the flue gases temperature exceeds PAR57, the Alarm Gases

58	Par058	**120**	Fan 2 as Ambient Minimum Gases Temperature	FAN2 stop gases temperature (in °C): If Fan 2 As Chimney is enabled, this parameter is ignored. If Fan 2 for Room Heating is enabled, this PAR defines the threshold for FAN2 operation, regardless of the operating sequence. FAN2 starts when the gases temperature rises above PAR58, and stops when it drops below PAR58.
59	Par059	**66**	No Fuel (Error) Gases Temperature	Temperature for No Pellets Alarm (in °C): Defines the flue gases temperature threshold for the No Pellets alarm in the Burning state
60	Par060	**0**		
61	Par061	**0**		
62	Par062	**0**		
63	Par063	**0**		
64	Par064	**0**		
65	Par065	**0**		
66	Par066	**0**		
67	Par067	**58**	ON Temperature	Water pump turn on temperature (in °C): Defines the water temperature threshold when the
68	Par068	**55**	OFF Temperature / T1-T2 for Max. Modul. Speed	Water pump turn off temperature (in °C): Defines the water pump turn off temperature threshold (MUST BE lower than PAR67 value)
69	Par069	**0**	Anti-Condensation Exit Temperature	Backwater temperature (in °C): Defines the backwater temperature threshold if a backwaterb temperature bypass pump is used
70	Par070	**160**	Heat Up Duration	Heat Up sequence duration (in seconds)
71	Par071	**3**	Heat Up Temperature Check Samples	Not user definable
72	Par072	**1**	Heat Up Temperature Rise	Not user definable
73	Par073	**100**	User Fuel Feeder 1 ON Time Factor	User fuel mode feeder speed: Defines the relative feeder speed compared to the default feeder speed in pellets powered systems: 50 – the feeder in user fuel mode is 50% slower than the default feeder setting 100 - the feeder in user fuel mode has the same speed as the default feeder setting 150 - the feeder is 50 % faster This parameter is set according to the selected pellets type factory settings. It
74	Par074	**100**	User Fuel Fan 1 Power Facto	User fuel mode FAN1 speed: Defines the relative FAN1 speed in user fuel mode (see PAR73). This parameter is set according to the selected pellets type
75	Par075	**100**	Wood Fuel Fan 1 Power Factor	Wood fuel mode FAN1 speed: Defines the relative FAN1 speed in wood fuel mode. This parameter is set to 100 if the default wood type is used, or to different values if wood type other than default is used. It can be modified to further adjust the burning
76	Par076	**4**	Selected Configuration	Controller configuration set: Selects one of 12 predefined controller configurations. Configuration 13 is custom. We recommend locking this parameter in the Fumis PC-PRO application to prevent editing.
77	Par077	**0**		
78	Par078	**0**		
79	Par079	**0**		
80	Par080	**0**		

81	Par081	**0**		
82	Par082	**0**		
83	Par083	**0**		
84	Par084	**0**		
85	Par085	**0**		
86	Par086	**0**		
87	Par087	**160**	Keep Fire Fan 1 Power	Keep Fire FAN1 speed
88	Par088	**3**	Keep Fire Feeder 1 ON Time	Keep Fire feeder dosing time (in milliseconds): Feeder is activated for [PAR88 *100msec]
89	Par089	**15**	Keep Fire Fan 1 Duration	FAN1 duration during Keep Fire (in seconds): Defines the time period for FAN1 operation during Keep Fire
90	Par090	**20**	Keep Fire Period	Keep Fire repetition period (in minutes): If the boiler is in stand-by mode, Keep Fire is repeated every
91	Par091	**0**		
92	Par092	**1**	Pellets Quality	1 - feeder and fan 1 operate according to the hidden parameters 53 (FeederFactorPelletsType1) and 54 (FAN1FactorPelletsType1) settings in %.* 2 - feeder and fan 1 operate according to the hidden parameters 55 (FeederFactorPelletsType2) and 56 (FAN1FactorPelletsType2) settings in %.* 3 - feeder and fan 1 operate according to the hidden parameters 57 (FeederFactorPelletsType3) and 58 (FAN1FactorPelletsType3) settings in %.* NOTE: Pellets quality (1, 2 or 3) can also be selected by end
93	Par093	**1**	Wood Quality	Defines one of the three wood fuel quality types. 1 - fan 1 operates according to the hidden parameter 59 (FAN1WoodType1) settings in %. 2 - fan 1 operates according to the hidden parameter 60 (FAN1WoodType2) settings in %. 3 - fan 1 operates according to the hidden parameter 61 (FAN1WoodType3) settings in %. NOTE: Wood quality (1, 2 or 3) can also be selected by end
94	Par094	**0**		
95	Par095	**0**		
96	Par096	**0**		
97	Par097	**0**		
98	Par098	**0**		
99	Par099	**0**		
100	Par100	**0**		
101	Par101	**180**	Blow Out Duration	Time for ash blow out at Stop Fire (in seconds): After the Stop Fire and Cool Fluid, the FAN1 will operate at
102	Par102	**0**	Anti-Freeze Temperature	Minimum air temperature to keep (in °C): Only in stove mode and activated timer. OPERATION: The stove turns on when Tair (PAR 51 [^{o}C]) is for 0,1^{o}C lower than PAR 102 [0,1 x ^{o}C]. The stove turns off
103	Par103	**80**	Water Pump Minimum Speed	Water pump minimum speed (when modulation water pump is
104	Par104	**250**	Water Pump Maximum Speed	Water pump maximum speed (when modulation water pump is

105	Par105	**0**		