

CE Specification Key

GV 3 - 1 2 3 4 5 6 7 8 Characteristics 9 & 10 determined by Mertik Maxitrol

Type	Main Burner Control		Motorized Valves available with	
GV30	Temperature Controlled	HIGH to LOW -OFF	conv. to GV38	ZAMIN cone
GV31	Temperature Controlled	ON - OFF		
GV32	Manually Controlled	HIGH to LOW		
GV33	Temperature Controlled	HIGH to LOW		
GV34	Motor Controlled	HIGH to LOW -OFF	ZAMIN	cone
GV35	Motor Controlled	ON - OFF		
GV36	Manually Controlled	HIGH to LOW -OFF	conv. to GV34	ZAMIN cone
GV37	Manually Controlled	ON - OFF		
GV38	Motor & Temperature Controlled	HIGH to LOW -OFF	ZAMIN	cone

Ambient Temperature			
-	0...80°C	32..176°F	S
T	0...110°C	32...225°F	O

Characteristic 1 Pipe Connection Thread				
Sym.	Inlet	Outlet	Pilot	
C	3/8"BSP	3/8"BSP	M10x1	S

Characteristic 2 Position of Connections				
Sym.	Inlet	Outlet		
1	Bottom	Bottom		S
2	Side	Side		S
3	Bottom	Side		S
4	Side	Bottom		S
5	All Four Connections Open			S
6	Bottom	Both Open		S
7	Side	Both Open		S

Characteristic 3 Options		
Sym.		
A	without side outlet machining	S
N	side outlet Rc 1/8" machined*	O
E	adjustable 1/8 NPT side valve*	O

Characteristic 4 Temperature Sensor					
Sym.					
2	13 ...	35°C	55 ...	95°F	O
3	40 ...	73°C	104 ...	163°F	O
4	30 ...	80°C	86 ...	176°F	O
7	100 ...	340°C Niro	212 ...	644°F	O
8	15,5 ...	48,9°C	60 ...	120°F	O
X	110 ...	190°C Niro	230 ...	374°F	O
K	30 ...	110°C	86 ...	230°F	O
0	without sensor				S

Characteristic 5		
Sym.		
A	w/o Regulator	S
D	Throttle	O
E	Allgas Regulator	O

*Note:
optional outlet is downstream of the pressure regulator
optional outlet is not controlled by main burner control

Characteristic 10 Optional Modulating Cone				
S, M, L	Small	Medium	Large	O
Cone defined by Mertik Maxitrol per pressure & capacity				

Characteristic 9 Special Requests		
8	convertible to GV34/38	O

Characteristic 8 Minimum Rate Screw			
Sym.			
0	(old) 2 pc. orifice or GV31/35/37		
1	adj. min. rate screw (1 pc.)		O
5	fixed orifice w/ O-ring (1 pc.), mounted		O
6	same as 5, but orifice not mounted		S
7	for ZAMIN, mounted		S
8	for ZAMIN, separate		S

Characteristic 7 Safety Pilot Thermocouple				
Sym.	thread	holding / drop current		
H	M8 x 1	220 / 60 mA		S
D	M8 x 1	290 / 100 mA		S
K	M9 x 1	220 / 60 mA		S
L	M9 x 1	290 / 100 mA		S
M	M10 x 1	220 / 60 mA		S
C	M10 x 1	290 / 100 mA		S
G	11/32 UNS	220 / 60 mA		S
B	11/32 UNS	290 / 100 mA		S

Characteristic 6 Ignition Cable				
Sym.	Connection	Cable Length		
0	without piezo	without cable		S
7	d = 1,3 (*)	550 mm		O
8	d = 1,3 (*)	900 mm		O
D	d = 1,3 (*)	1.000 mm		O
W	d = 1,6 (**)	150 mm		O
T	d = 1,6 (**)	425 mm		O
5	d = 1,6 (**)	550 mm		O
6	d = 1,6 (**)	900 mm		O
9	without cable, pin d = 2,1			O
A	without cable, pin d = 2,3			O
C	d = 2,45	500 mm		O
1	d = 4	550 mm		O
2	d = 4	900 mm		O
V	2,8 x 0,5	300 mm		O
H	2,8 x 0,5	550 mm		O

Note:
(*) 1,3 mm = Copreci
(**) 1,6 mm = Sourdillion / OF

S-Standard Product Offering

O-Options that either increase or decrease price (see price sheet)

CSA Specification Key

GV 3

1	2	3	4	5	6	7	8	9	10
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Type	Main burner control		Motorized Valves available with		
GV30	Temperature controlled	HIGH to LOW-OFF	ZAMIN	cone	conv. to GV38
GV31	Temperature controlled	ON - OFF			
GV32	Manually controlled	HIGH to LOW			
GV33	Temperature controlled	HIGH to LOW			
GV34	Motor controlled	HIGH to LOW-OFF	ZAMIN	cone	
GV35	Motor controlled	ON - OFF			
GV36	Manually controlled	HIGH to LOW-OFF	ZAMIN	cone	conv. to GV34
GV37	Manually controlled	ON - OFF			
GV38	Motor & Temperature controlled	HIGH to LOW-OFF	ZAMIN	cone	

Characteristic 10				
Optional Modulating Cone				
S, M, L	Small	Medium	Large	O

Cone defined by Mertik Maxitrol per pressure & capacity

Characteristic 9	
Special Requests	
8	convertable to GV34/38 O

Characteristic 8	
Sym. Minimum Rate Screw	
0	old 2pcs orifice or GV31/35/37
1	adj. min. rate screw (1 pc.)
5	fixed orifice w/ O-ring (1 pc.), mounted
6	same as 5, but orifice not mounted
7	prepared for ZAMIN , mounted
8	prepared for ZAMIN separat

Ambient Temperature			
-	0...80°C	32..176°F	S
T	0...110°C	32...225°F	O

Characteristic 1				
Pipe Connection Thread				
Sym.	Inlet	Outlet	Pilot	
A	3/8"Loxit	3/8"Loxit	7/16-24UNS-2A	S
B	3/8"NPT	3/8"NPT	7/16-24UNS-2A	S

Characteristic 2				
Position of Connections				
Sym.	Inlet	Outlet		
1	Bottom	Bottom		S
2	Side	Side		S
3	Bottom	Side		S
4	Side	Bottom		S
5	All Four Connections Open			S
6	Bottom	Both Open		S
7	Side	Both Open		S

Characteristic 3			
Options*			
Sym.			
A	without side outlet machining		S
C	side outlet 1/8"NPT machined		O
D	1/8 NPT side valve ,on-off		O
E	1/8 NPT side valve ,adjustable		O

*Note:
 optional outlet is downstream of the pressure regulator
 optional outlet is not controlled from main burner control

Characteristic 4			
Sym. Temperature Sensor			
2	55...95°F	O	GV30, GV31, GV33 & GV38
3	104...163°F	O	
4	85...175°F	O	
7	210-645°F Niro	O	
8	60...120°F	O	GV32, GV34 , GV35, GV36 & GV37
X	230...374°F Niro	O	
K	86...230°F	O	
0	without sensor	S	GV32, GV34 , GV35, GV36 & GV37

Characteristic 5		
Sym.		
A	without Regulator	S
N	Natural Gas	O
L	L.P.G.	O
B	3...12"W.C.	O

Characteristic 7			
Safety Pilot Thermocouple			
Sym.	thread	holding / drop current	
H	M8 x 1	220 / 60 mA	S
D	M8 x 1	290 / 100 mA	S
G	11/32 UNS	220 / 60 mA	S
B	11/32 UNS	290 / 100 mA	S

Characteristic 6			
Ignition Cable			
Sym.	Length	Connection	
0	without piezo		S
7	550 mm	d=1,3 (*)	O
8	900mm	d=1,3 (*)	O
D	1000mm	d=1,3 (*)	O
W	150mm	d=1,6 (**)	O
T	425mm	d=1,6 (**)	O
5	550mm	d=1,6 (**)	O
6	900mm	d=1,6 (**)	O
9	without cable	pin d=2,1	O
A	without cable	pin d=2,3	O
1	550mm	d=4	O
2	900mm	d=4	O
V	300mm	2,8*0,5	O
H	550mm	2,8*0,5	O

Note: (*) 1,3 mm = Copreci
 (**) 1,6 mm = Sourdillion / OP

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