

02/2010

Mod: TPG-12

Production code: TP12/JG



Diamond
catering equipment

2. Technical Data (valid only for DE / CH / AT)

The appliance is suitable for operation of earth- or liquid gas

Category II 2 ELL 3 B/P (DE)
II 2 H 3 B/P (AT/CH)

	call pressure	allowed connection pressure Ranges
Earth gas	20,0 mbar	18,0 - 25,0 mbar
Liquid gas	50,0 mbar	42,5 - 57,5 mbar

Outside this range the appliance may not be operated.

2.1. Technical Data (valid for EU)

The appliance is suitable for operation of earth- or liquid gas / Construction A1

Category II 2 ELL 3 B/P

Countries	Category	connection pressure (mbar)	
		2. family Earthgas	3. family Liquid gas
AT	II2H3B/P	20	50
BE	II2E+3+	20/25	28-30/37
CH	II2H3B/P	20	50
DE	II2ELL3B/P	20	50
DK	II2H3B/P	20	28-30
ES	II2H3+	20	28-30/37
FI	II2H3B/P	20	28-30
FR	II2E+3+	20/25	28-30/37
GB	II2H3+	20	28-30/37
GR	II2H3+	20	28-30/37
IE	II2H3+	20	28-30/37
IT	II2H3+	20	28-30/37
LU	I2E	20	
NL	II2L3B/P	25	28-30
NO	I3B/P		28-30
PT	II2H3+	20	28-30/37
SE	II2H3B/P	20	28-30

2.2 Type of construction

The machines are classified in the following types of construction:

type	Type of construction	
TP-JG 12/G	A1	
TP-JG 15/G	B21	
TP-JG 18/G	B21	
TP 12/G	A1	Machines of type B 21 have to be set up under a dust marching off machine.
TP 15/G	A1	
TP 18/G	B21	

2.3 Heat load, gas connection values, combustion requirement, exhaust quantity

Type	Heat loader		Gas connection value			Combustion requirement	Exhaust quantity
	Full fire	Minor fire	Earth gas E	Earth gas L	Liquid gas		
			Earth gas H (G20) HuB 9,45 kWh/m ³	Earth gas LL (G 25) HuB 8,12 kWh/m ³	(G 30/G 31) HuB 12,68 kWh/kg		
TP-JG 12/G	10 kW	2,8 kW	1,06 m ³ /h	1,23 m ³ /h	0,79 kg/h	11,2 m ³ /h	12,2 m ³ /h
TP-JG 15/G	15 kW	5,6 kW	1,59 m ³ /h	1,85 m ³ /h	1,18 kg/h	16,8 m ³ /h	18,3 m ³ /h
TP-JG 18/G	15 kW	5,6 kW	1,59 m ³ /h	1,85 m ³ /h	1,18 kg/h	16,8 m ³ /h	18,3 m ³ /h
TP-12 / G	10 kW	4 kW	1,06 m ³ /h	1,23 m ³ /h	0,79 kg/h	11,2 m ³ /h	12,2 m ³ /h
TP-15 / G	10 kW	4 kW	1,06 m ³ /h	1,23 m ³ /h	0,79 kg/h	11,2 m ³ /h	12,2 m ³ /h
TP-18 / G	10 kW	4 kW	1,06 m ³ /h	1,23 m ³ /h	0,79 kg/h	11,2 m ³ /h	12,2 m ³ /h

The small combustion load is 2.8 kW for TP-JG... /G each burner and 4.0 kW for TP- /G each burner.

This results in the following **FLOW VALUES** each burner:

	TP-JG.../G	TP-.../G
Earth gas H, E (G20)	0,30 m ³ /h	0,48 m ³ /h
Earth gas L, LL (G25)	0,34 m ³ /h	0,55 m ³ /h
Liquid gas (G30)/(G31)	0,22 kg/h	0,35 kg/h

The machine is working with full fire with fixed nozzles without pre-adjustment.

For the pilot flame the small combustion quantity is regulated for liquid gas with fixed nozzles. For earthgas the nozzles are adjusted.

