

02/2010

# Mod: TPG3-15

Production code: TP15/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
<b>Earth gas</b>	20,0 mbar	18,0 - 25,0 mbar
<b>Liquid gas</b>	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
TP 15/G	A1
TP 18/G	B21

Machines of type B 21 have to be set up under a dust marching off machine.

### 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 <sup>3</sup>	Earth gas LL (G 25) HuB 8,12 kWh/m <sup>3</sup>	(G 30/G 31) HuB 12,68 kWh/kg		
<b>TP-JG 12/G</b>	10 kW	2,8 kW	1,06 m <sup>3</sup> /h	1,23 m <sup>3</sup> /h	0,79 kg/h	11,2 m <sup>3</sup> /h	12,2 m <sup>3</sup> /h
<b>TP-JG 15/G</b>	15 kW	5,6 kW	1,59 m <sup>3</sup> /h	1,85 m <sup>3</sup> /h	1,18 kg/h	16,8 m <sup>3</sup> /h	18,3 m <sup>3</sup> /h
<b>TP-JG 18/G</b>	15 kW	5,6 kW	1,59 m <sup>3</sup> /h	1,85 m <sup>3</sup> /h	1,18 kg/h	16,8 m <sup>3</sup> /h	18,3 m <sup>3</sup> /h
<b>TP-12 / G</b>	10 kW	4 kW	1,06 m <sup>3</sup> /h	1,23 m <sup>3</sup> /h	0,79 kg/h	11,2 m <sup>3</sup> /h	12,2 m <sup>3</sup> /h
<b>TP-15 / G</b>	10 kW	4 kW	1,06 m <sup>3</sup> /h	1,23 m <sup>3</sup> /h	0,79 kg/h	11,2 m <sup>3</sup> /h	12,2 m <sup>3</sup> /h
<b>TP-18 / G</b>	10 kW	4 kW	1,06 m <sup>3</sup> /h	1,23 m <sup>3</sup> /h	0,79 kg/h	11,2 m <sup>3</sup> /h	12,2 m <sup>3</sup> /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 <sup>3</sup> /h	0,48 m <sup>3</sup> /h
Earth gas L, LL (G25)	0,34 m <sup>3</sup> /h	0,55 m <sup>3</sup> /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.

