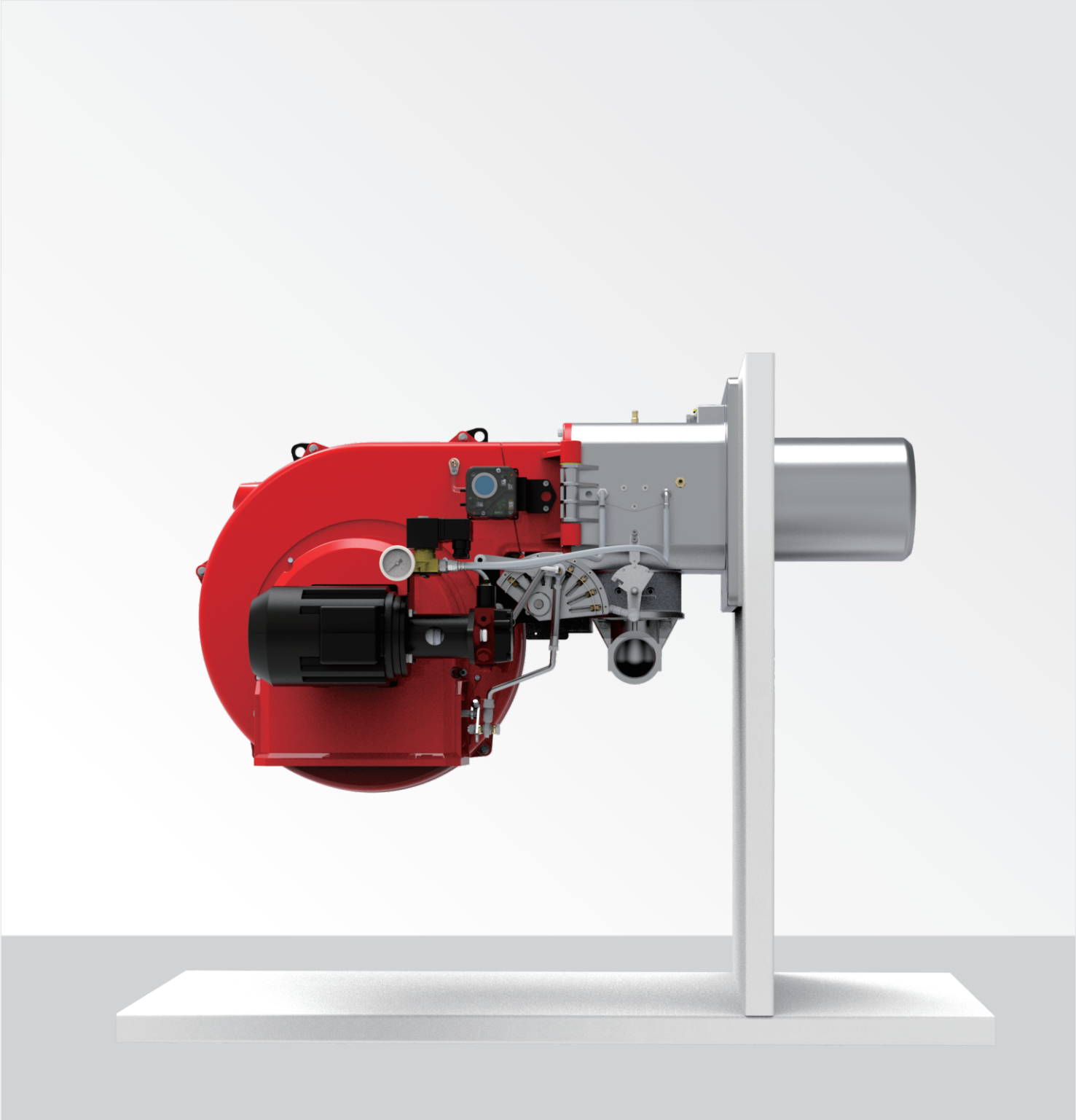
baltle®



产品型号规格定义
Product Model Specification Definition

1、型号/Model：BT第一代一体式燃烧器/BT 1st monoblock burner　BTZ搅拌站系列燃烧器/BTZ asphalt mix plant burner　BDG高炉煤气燃烧器/BDG blast-furnace gas burner
BTN第二代一体式燃烧器/BT 2nd monoblock burner　BX表面全预混燃烧器/BX surface full premix burner　BDJ发生炉/焦炉煤气燃烧器/BDJ coke oven gas burner
BD分体式燃烧器/BD split burner　BDR分体式火焰可调式燃烧器/BDR split flame adjustable burner

2、出力大小或规格/Capacity or specification：

3、燃料/Fuel：

G	天然气/NG：	HA	辅助雾化重油/Heavy oil with heater
L	柴油/diesel	GH	天然气/重油/NG/Heavy oil
GL	天然气/柴油/NG/diesel	GHA	天然气/辅助雾化重油NG/Heavy oil with heater
H	重油/heavy oil		

4、调节方式 /Adjustment:

Y	单段火(实际型号不用体现）/one stage(no indication in real model)
R	两段火/Two stage
C	机械比调/Mechanical cam
S	三段火/Three stage fire
E	电子比调/Electronic modulation
P	空气 / 燃气阀组比调/Proportional air/gas valve
V	带可变速驱动（带变频器）/With frequency converter

5、排放 /Emission:

C01...	等级/class 1 EN267-EN676
C02 - MZ	等级/class 2 EN267-EN676
C03 - BLU	等级/class 3 EN267-EN676

6、燃烧头 /Head:

TC	标准燃烧头(实际型号不用体现）/Standard head
TL	加长燃烧头(长度mm)/Long head

7、控制系统 /Controlling system:

PLC	LME22	LOA24	LAL1.25	LMV27	LMV51
BT330	LME11	LMO44	LFL1.322	LMV37	LMV56

8、运行时间 /Flame control system:
FS1 标准运行 (每 24 小时停机 1 次)/FS1 Standard(1 stop every 24h)
FS2 连续运行 (每 72 小时停机 1 次)/FS2 Continuous working(1 stop every 72h)

9、系统电源 /Electrical supply of the system:

3/400/50	3N / 400V / 50Hz
1/230/50	1 / 230V / 50Hz

10、辅助电源电压 /Auxiliary voltage:

230/50/60	230V / 50-60Hz
110/50/60	110V / 50-60Hz

BTN	450	L	C	C04	TL			3/400/50	230/50/60

基本型号/BASIC DESIGNATION

拓展型号/EXTENDED DESIGNATION

BTN550/650GHAC/GHAE 渐进式 / 比例调节 / 电子比调式重油 / 燃气双燃料燃烧器(空气雾化)

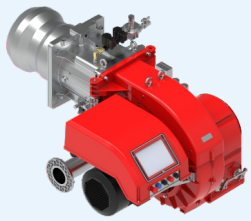
技术性能及结构特征
Technical performance and structural characteristics

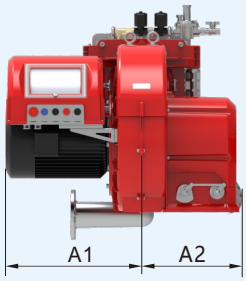
1. 交替工作天然气/重油双燃料燃烧器。
2. 双段渐近式/比例式/电子式运行。
3. 空气和燃气在燃烧头内混合，机械式压力雾化。
4. 通过调节燃烧空气和燃烧头，可以获得最佳的燃烧参数。
5. 无须把燃烧器从锅炉上拆下，就可直接取下雾化装置，维修保养方便。
6. 渐进/比例式带有凸轮的伺服电机可以同时调节空气和燃料的供应；燃烧器暂停时，风门关闭以减少炉内热量损失。
7. 电子式用三个伺服电动机分别控制燃气、燃油和空气的比例调节。
8. 采用一个法兰和耐高温隔热垫与锅炉联接固定。
9. 带流量调节装置的燃烧空气进口。
10.燃烧器空气进口采用消音设计。
11.耐高温的不锈钢燃烧头火焰盘。
12.独立的重油电加热器组和三相电机带动油泵。
13.UV紫外线光电管检测火焰。
14.标准配置的电气防护等级IP40。

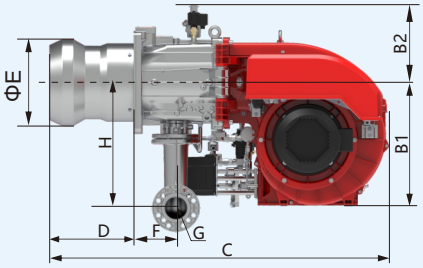
1. Alternate methane gas/heavy oil burner.
2. Two-stage sliding/modulating/electronic working.
3. Air-gas mixing at blast-pipe and high pressure mechanical atomisation of fuel using nozzle.
4. Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
5. Maintenance facilitated by the fact that the atomisation unit can be removed without having to remove the burner from the boiler.
6. Sliding/Modulating Servo motor with a CAM can regulate air and fuel supply at the same time; Pauses burner, air door closed in order to reduce heat loss in the furnace.
7. Electronic proportional Using three-phase servo motor respectively to control ratio adjustion among gas ,oil and air.
8. Using a flange and high temperature resistant heat insulation pads connected to the boiler.
9. Combustion air intake with air flow adjustment device.
10.Burner air inlet with mute design.
11.High temperature resistant stainless steel disc burner flame.
12.Independent of the heavy oil electric heater set and three-phase motor to drive oil pump.
13.UV ultraviolet phototube detects flame.
14.Electrical plant protection rating Ip40.

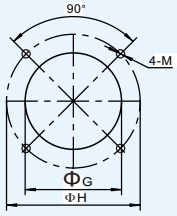
功率 Power (KW)	型号 Model	订货编号 Article No.	电源 Power supply	电机功率 Motor power (KW)	包装尺寸 package size (L*W*H/mm)	重量 weight (kg)
600~5170	BTN550GHAC BTN550GHAE	202 24 085 202 24 089	380V 50Hz	12	/	/
1000~6155	BTN650GHAC BTN650GHAE	202 24 086 202 24 090	380V 50Hz	15	/	/

外观尺寸图
Overall dimensions









锅炉开口尺寸
BURNER-BOILER MOUNTING FLANGE

型号 model	A1	A2	B1	B2	C	D	E	F	G	H	I	L	M	N
	mm	mm	mm	mm	mm	mm	Φmm	mm	mm	mm	mm	Φmm	M	Φmm
BTN550GHAC	583	400	519	355	1434	358	365	178	DN65	528	400	452	4-M16	375
BTN550GHAE	583	400	519	355	1434	358	365	178	DN65	528	400	452	4-M16	375
BTN650GHAC	583	400	519	355	1434	358	365	178	DN65	528	400	452	4-M16	375
BTN650GHAE	583	400	519	355	1434	358	365	178	DN65	528	400	452	4-M16	375

BTN550-650GHAC/GHAE FGR Modulation/Electronic Modulation Heavy Oil & Gas Burner(Air Atomization)

备选功能
Alternative function

加长的燃烧筒，可定制60Hz.
Can lengthen the blast tube,Can books the 60Hz.

可选择采用蒸汽雾化/机械雾化.
Can choose to use steam atomization/Mechanical atomizing.

比例调节功能
Proportional control function

加长的燃烧筒，可定制60Hz.
Can lengthen the blast tube,Can books the 60Hz.

可选择采用蒸汽雾化/机械雾化.
Can choose to use steam atomization/Mechanical atomizing.

标准配件
standard fittings

阀组 - 过滤器 - 软管 - 喷嘴 - 电加热组 - 与锅炉配套的组件

Valve-Oil filter-Oil line-Nozzle-Electric heater set
-the partnership with the boiler

备注
standard fittings

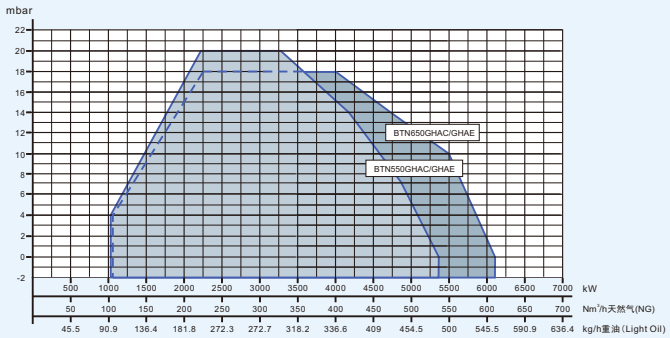
1）配有空气关闭装置.

1）It is with air closure device.

**)阀组进口允许的最大燃气压力.

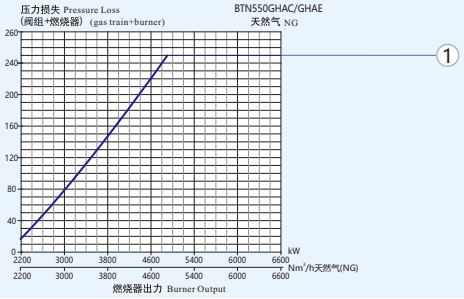
**）Allowed Max.gas pressure in valve set input.

曲线图
curve graph



曲线图 Curve diagram

锅炉燃烧器功率(kW)
Burner Output (kW)

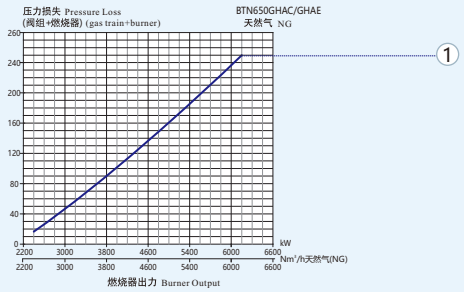


BTN550GHAC/GHAE

天然气 natural gas

曲线（型号）Curve (model)	阀组编号 Valve group number	检漏 Leakage control	最大压力** Maximum pressure value (mbar)	图号 figure number
① QF-DMV-D5065/11-DN65	222 25 128	-	500	QF1
① QF-DMV-D5065/11-LDU-DN65	222 25 145	GW150A5	500	QF1
① QF-VGD40.065-DN65	222 25 233	-	700	QF4
① QF-VGD40.065-LDU-DN65	222 25 247	GW150A5	700	QF4

锅炉燃烧器功率(kW)
Burner Output (kW)



BTN650GHAC/GHAE

天然气 natural gas

曲线（型号）Curve (model)	阀组编号 Valve group number	检漏 Leakage control	最大压力** Maximum pressure value (mbar)	图号 figure number
① QF-DMV-D5065/11-DN65	222 25 128	-	500	QF1
① QF-DMV-D5065/11-LDU-DN65	222 25 145	GW150A5	500	QF1
① QF-VGD40.065-DN65	222 25 233	-	700	QF4
① QF-VGD40.065-LDU-DN65	222 25 247	GW150A5	700	QF4

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