

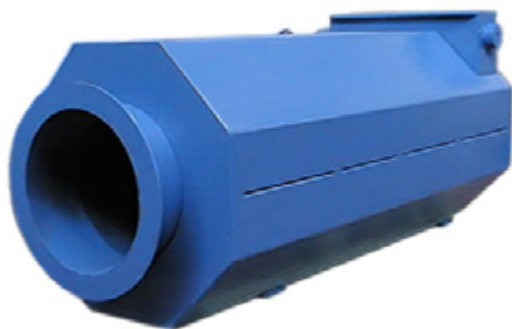


NBP

GENERATORI DI ARIA CALDA A SCAMBIO DIRETTO

DIRECT EXCHANGE HEAT AIR GENERATORS

BP GB ... / ..



Generalità

I generatori mod. "BP GB ... / .." sono in grado di produrre aria *surriscaldata* utilizzabile in tutti quei processi industriali in cui lo scambio termico avviene in modo diretto.

Sono propriamente classificati come "generatori di aria calda a scambio diretto" funzionanti con bruciatori di gas naturale, G.P.L., manufatti e gas a basso potere calorico, Diesel-oil, cherosene e olio combustibile.

La combustione avviene in una camera in acciaio refrattario e la miscela "gas combusto / aria da riscaldare" si ottiene sia a combustione avvenuta che attraverso la camera stessa.

Possono ricevere aria parzialmente riscaldata da altre sorgenti di calore; possono, riscaldandola, riciclare aria da celle di essiccazione e/o altri trattamenti termici.

La temperatura in uscita prevista può arrivare fino a 500 °C mentre la temperatura in ingresso può arrivare fino a 120 °C.

Le concezioni tecnico costruttive della camera di combustione consentono di modulare la quantità di aria da riscaldare, sia che questa sia di ricircolo, di diluizione o di recupero.

Caratteristiche

- Scambiatore di calore del tipo diretto.
- Bruciatori previsti per il funzionamento:
bruciatori di gas naturale, G.P.L., manufatti e gas a basso potere calorico (a richiesta), Diesel-oil, cherosene, olio combustibile.
- Temperatura massima di esercizio: 500 °C.
- Temperatura massima aria all'ingresso della camera: 120 °C.
- Serrande di regolazione portata d'aria (nel caso di aspirazione aria ambiente).
- Umidità massima ammessa: 98%.

Settori di utilizzo

- Ceramico, Laterizio, Refrattario:
 - Essiccatoi continui ed intermittenti.
 - Essiccatoi per alta temperatura.
 - Atomizzatori.
- Siderurgico.
- Trattamento Superfici.

General Informations

"BP GB ... / .." generators can produce overheating air which can be used in all the industrial process involving heated air directly.

They are classified as "heat air generator at direct exchange" working with natural gas burners, LPG, lean gas and gas with a low calorific power; Diesel oil, Kerosene and fuel oil.

The combustion takes place in a refractory steel chamber and the mixture of burned gas / air; which has to be heated, is obtained both after the combustion and also produced by the same chamber.

Those chambers may receive partial heated air by others sources of heat; they are able to recycle air from drying cells and/or others thermal treatment.

The temperature in exit may arrive at 500 °C, instead the input temperature at 120 °C.

The chambers technical properties permit to change the quantity of air to be warmed, involving also the recycle air, the dilution and recovery air.

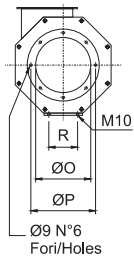
Features

- Direct heat - exchanger.
- Burners necessary for its working:
natural gas burner; LPG, lean gas and gas with a low calorific power (on request), Diesel oil, kerosene, fuel oil.
- Max. working temperature: 500 °C.
- Max. temperature of air at the inlet chamber: 120 °C.
- Shutters for the flow air adjuster
(in case of suctioning room air).
- Allowable umidity max.: 98%.

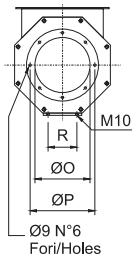
Applications

- Ceramic, Bricks, Refractory:
 - Continuous and Intermittent dryers.
 - High temperature dryers.
 - Spray Dryers.
- Iron metallurgic Industry.
- Surfaces Treatment.

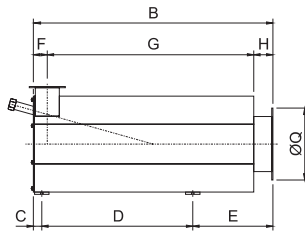
Dimensioni d'ingombro
Overall dimensions



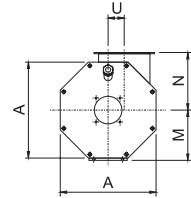
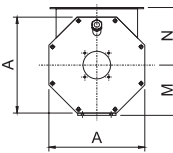
BP GB 80/1



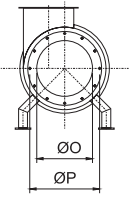
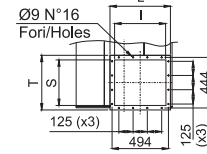
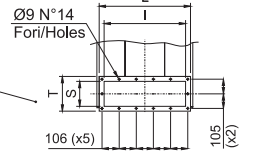
BP GB 20/1
BP GB 20/2
BP GB 40/1



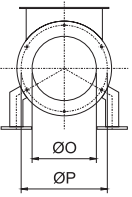
Per BP GB 20/1 e 20/2
Flangia senza fori
For BP GB 20/1 and 20/2
Flange without holes



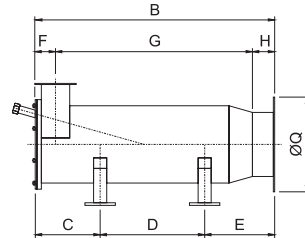
BP GB 80/1



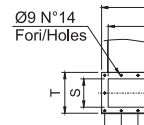
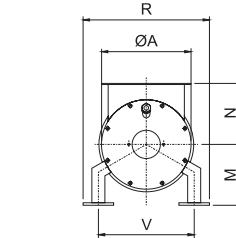
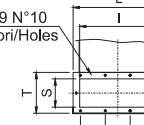
BP GB 80
BP GB 120



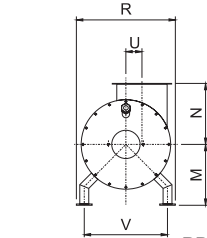
BP GB 20
BP GB 40



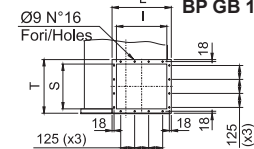
BP GB 20



BP GB 40

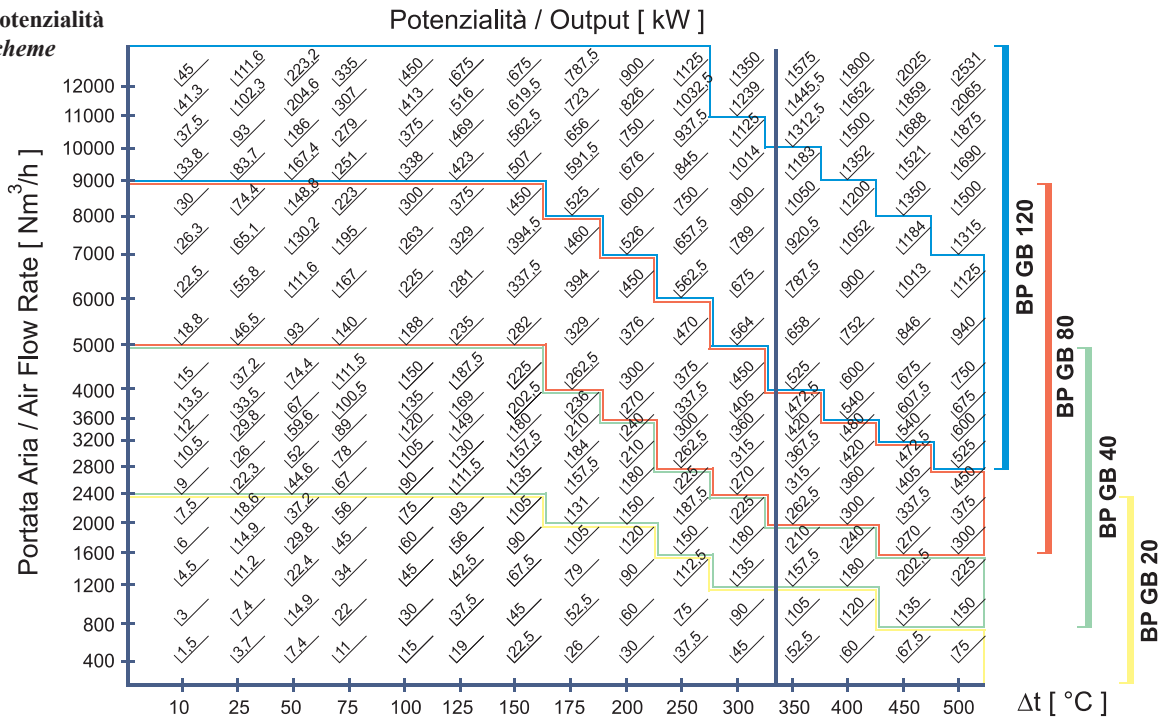


BP GB 80
BP GB 120



Mod.	ØA	B	C	D	E	F	G	H	I	L	M	N	ØO	ØP	ØQ	R	S	T	U	V
BP GB 20/1	400	1.000	35	630	335	70	850	80	340	340	210	240	230	-	300	120	100	130	-	-
BP GB 20/2	500	1.150	35	630	485	70	1.000	80	430	430	290	290	310	-	380	120	130	160	-	-
BP GB 40/1	600	1.395	35	630	555	100	1.155	140	504	564	355	330	355	397	437	200	184	244	-	-
BP GB 80/1	840	2.200	490	1.075	635	220	1.840	140	450	530	495	545	499	624	660	240	400	480	141	-
BP GB 20	411	1.100	298	480	322	93	905	102	350	410	280	280	295	396	435	580	130	190	-	440
BP GB 40	570	1.400	310	580	530	118	1.162	120	500	560	330	330	357	450	490	710	180	240	-	570
BP GB 80	800	2.200	484	1.080	636	240	1.770	190	450	530	450	520	498	624	660	890	400	480	141	750
BP GB 120	1.365	3.205	540	1.640	1.025	270	2.495	440	500	580	750	750	902	990	1.022	1.320	450	530	395	1.180

Tabella Potenzialità
Output Scheme



Le caratteristiche tecniche e le misure d'ingombro non sono impegnative e devono essere definite con il nostro Ufficio Tecnico.
Performance data and dimensions are guidelines only and have been check for our Technical Departement.

A0180G01-10/00



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