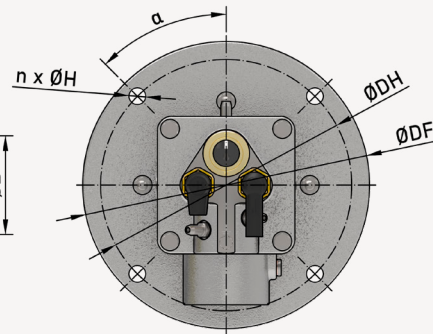
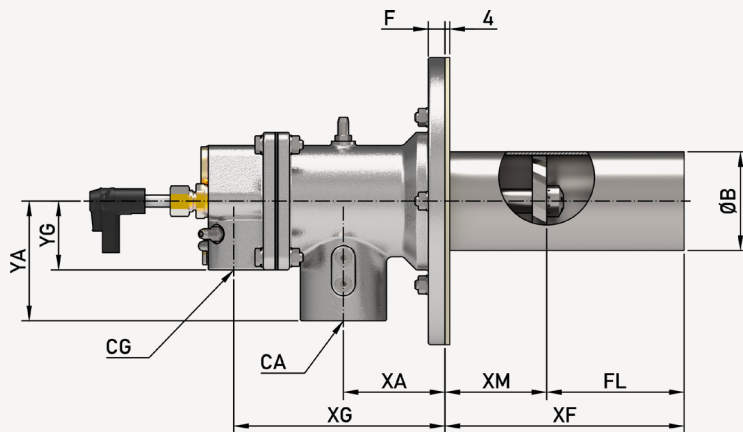


GBS80

Industriebrenner mit metallischem Flammrohr
für Industrieöfen und Thermoprozessanlagen



XM	XF
35	50
50	100
85	150
100	200
135	250
150	300
185	350
200	400
235	450
250	500
285	550
300	600
...	...

XA	YA	CA (LUFTANSCHLUSS)	XG	YG	CG (GASANSCHLUSS)	ØB	F	ØDF	ØDH	N	ØH	α
85	100	Rp 2	172	57	Rp 3/4	82	14	240	210	4	14	45
NENNLEISTUNG BRENNER IN kW						BRENNSTOFFE						
150						Erdgas, LPG, Koksofengas, Mischgase						

Zusätzliche Hinweise

- Flammrohrlänge (XF) und Position der Mischeinrichtung (XM) werden anwendungsabhängig festgelegt
- Mischeinrichtung in drei Ausführungen erhältlich: Standard-, Kurz- und Flachflamme
- Empfohlene Ausbrennlängen (FL):
Standard > 150 mm, Kurz > 80 mm, Flach möglichst gering
- Zündung elektrisch direkt, Flammenüberwachung mittels Ionisation (Standard)
- Gas- und Luftanschluss Gewinde nach ISO 7-1
- Geeignet für Ofenraumtemperaturen bis 1.050 °C im Dauerbetrieb (für höhere Anwendungstemperaturen bis 1.300 °C siehe Baureihe GBC)

- Betrieb mit vorgewärmter Verbrennungsluft bis 400 °C möglich (auslegungsabhängig) (für Anwendungen mit vorgewärmter Luft siehe Baureihe GBCW)

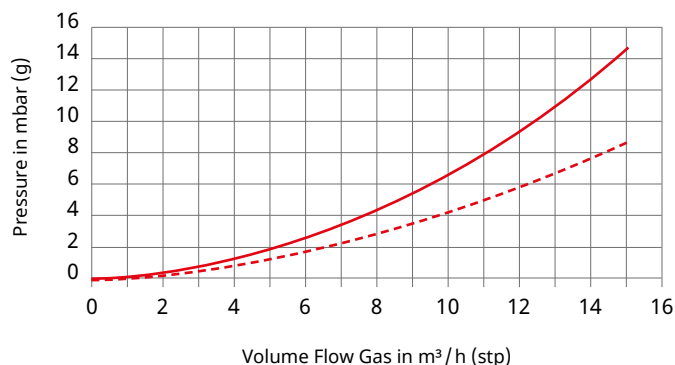
Optionale Varianten für Wasserstoff auf Anfrage

- Brennersteine aus feuerfestem Material
- Zündbrenner oder UV-Flammenüberwachung
- Komplettsysteme inkl. Steuerung, Brennstoff- und Luftversorgung gemäß DIN EN ISO 13577-2
- Sonderlängen für Flammrohr und Mischeinrichtung

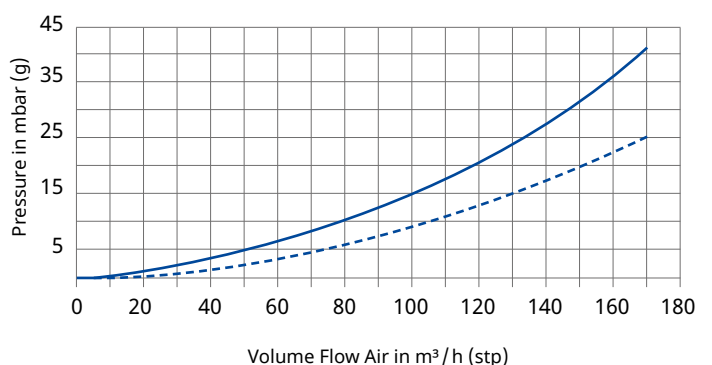
Flow Characteristics - Natural Gas

Characteristics for alternative fuels are available upon request.

Connection and Differential Pressure



Connection and Differential Pressure

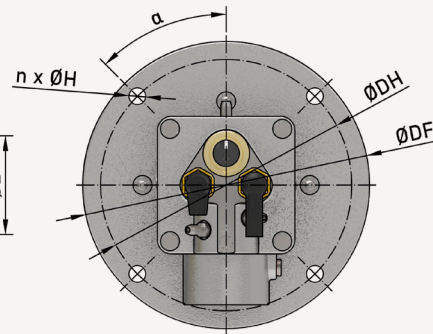
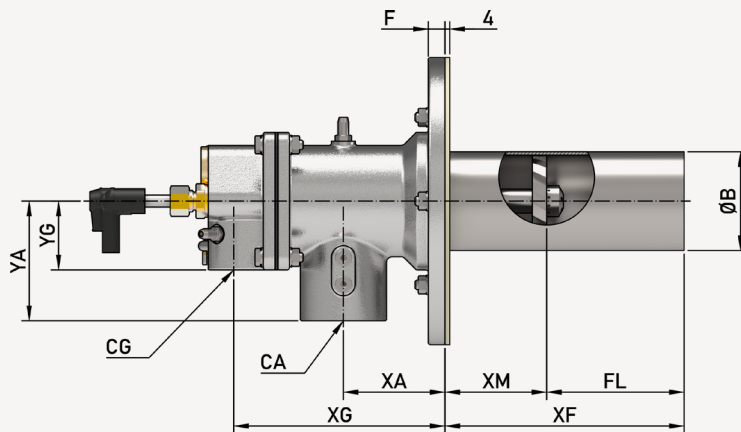


— Connection Pressure Gas - - - Differential Pressure Gas

— Connection Pressure Air - - - Differential Pressure Air

GBS80

Industrial burner with metallic flame tube for industrial furnaces and thermal processing systems



XM	XF
35	50
50	100
85	150
100	200
135	250
150	300
185	350
200	400
235	450
250	500
285	550
300	600
...	...

XA	YA	CA (AIR CONNECTION)	XG	YG	CG (GAS CONNECTION)	ØB	F	ØDF	ØDH	N	ØH	α
85	100	Rp 2	172	57	Rp 3/4	82	14	240	210	4	14	45
NOMINAL CAPACITY IN kW						FUEL GASES						
150						Natural Gas, LPG, Coke Oven Gas, Gas Mixture						

Additional Notes

- Flame tube length (XF) and position of the mixing device (XM) are determined based on the application
- Mixing device available in three versions: standard, short, and flat flame
- Recommended burn-out lengths (FL):
Standard > 150 mm, Short > 80 mm, Flat as short as possible
- Direct electric ignition, flame monitoring via ionization (standard)
- Gas and air connections with threads according to ISO 7-1
- Suitable for furnace chamber temperatures up to 1,050 °C in continuous operation (for higher operating temperatures up to 1,300 °C, see the GBC series)

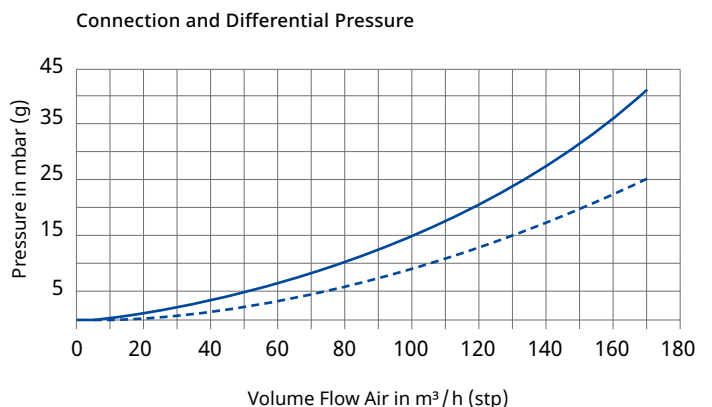
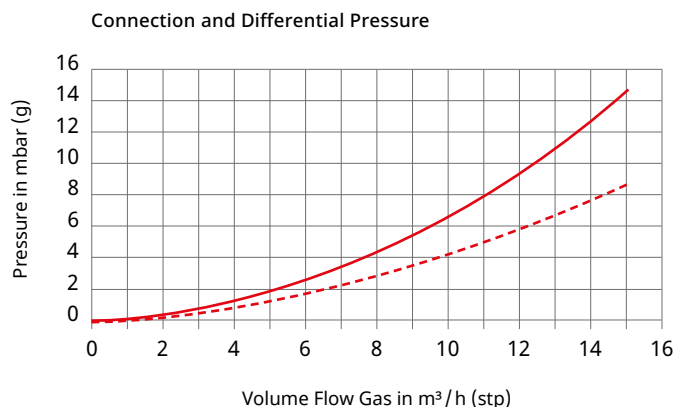
- Operation with preheated combustion air up to 400 °C is possible (depending on the design) (for applications with preheated air, see the GBCW series)

Optional equipment available upon request

- Burner blocks made of refractory material
- Pilot burner or UV flame monitoring
- Complete systems including control, fuel, and air supply in accordance with DIN EN ISO 13577-2
- Custom lengths for flame tube and mixing device

Flow Characteristics - Natural Gas

Characteristics for alternative fuels are available upon request.



— Connection Pressure Gas - - - Differential Pressure Gas

— Connection Pressure Air - - - Differential Pressure Air