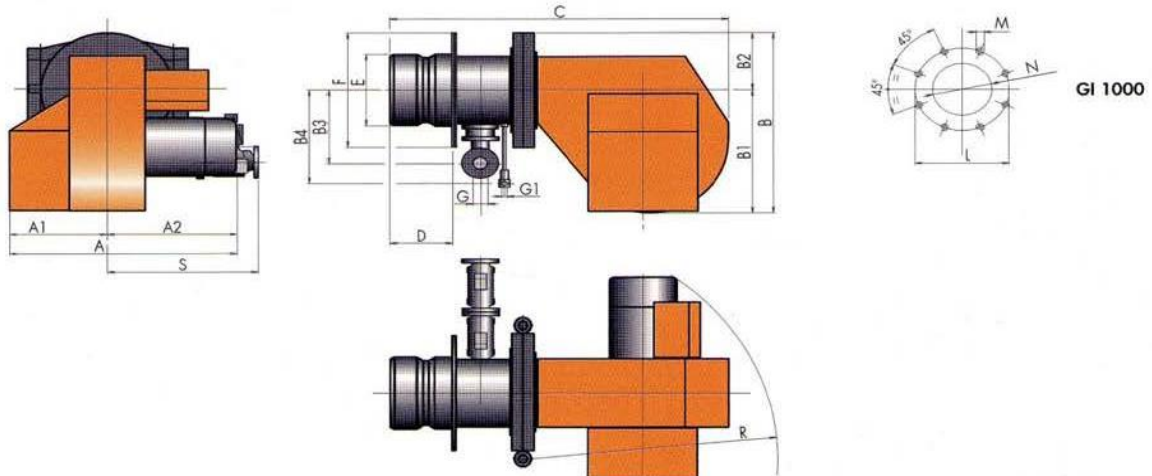
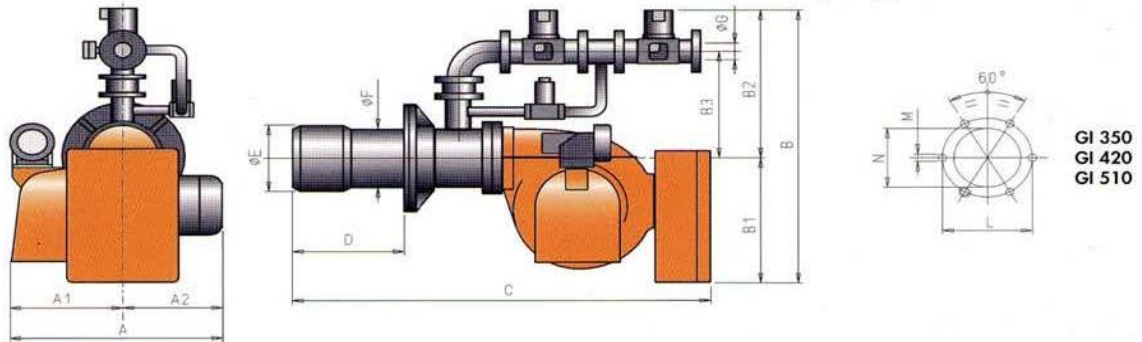
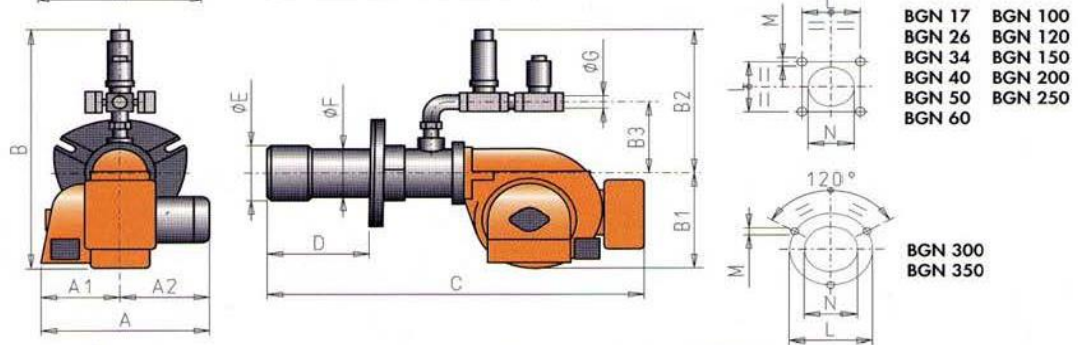
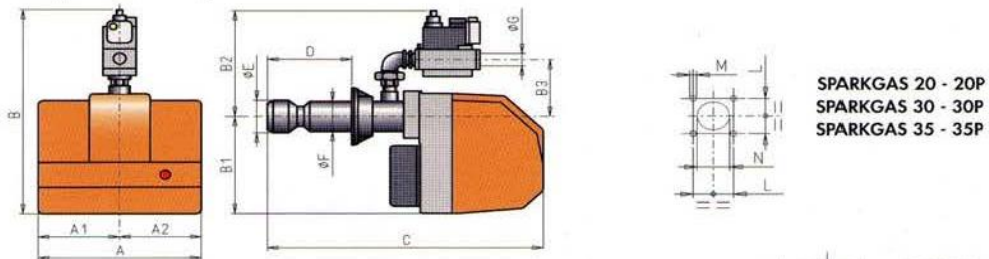
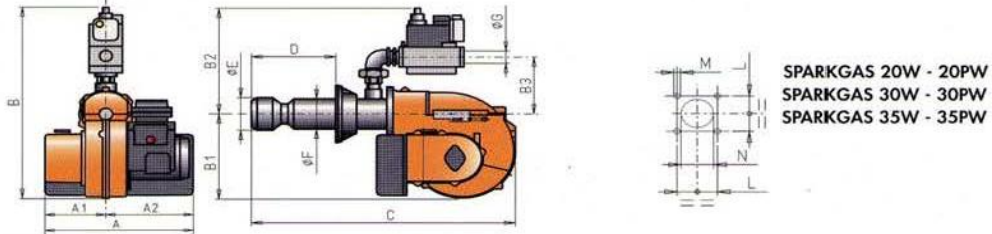
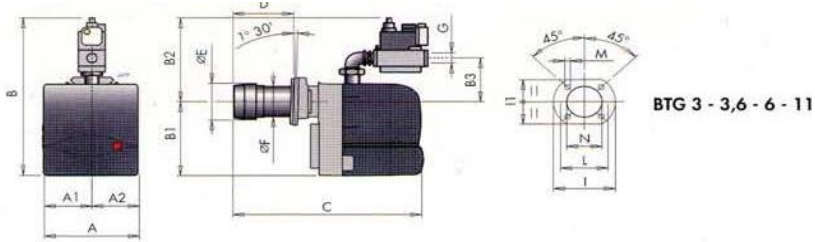




BTG - SPARKGAS - BGN - GI

Natural gas and LPG burner



Dimensions

Model	A	A1	A2	B *)	B1	B2 *)	B3 *)	B4 *)	C	D		E	F	G *)	G1 *)	I	I1	L		M	N	R	S
										min	max							min	max				
BTG 3	250	120	130	395	170	225	105	—	330	100	—	90	90	Rp 1/2	—	170	144	135	161	M8	95	—	—
BTG 3,6	245	122,5	122,5	448,5	218,5	230	120	—	410	50	105	90	90	Rp 1/2	—	170	140	130	155	M8	95	—	—
BTG 3,6 P	245	122,5	122,5	548,5	218,5	330	120	—	410	50	105	90	90	Rp 3/4	—	170	140	130	155	M8	95	—	—
BTG 6	245	122,5	122,5	493,5	218,5	275	120	—	410	50	105	90	90	Rp 3/4	—	170	140	130	155	M8	95	—	—
BTG 6 P	245	122,5	122,5	548,5	218,5	330	120	—	410	50	105	90	90	Rp 3/4	—	170	140	130	155	M8	95	—	—
BTG 11	245	122,5	122,5	493,5	218,5	275	120	—	475	90	150	108	90	Rp 3/4	—	170	140	130	155	M8	95	—	—
BTG 11 P	245	122,5	122,5	548,5	218,5	330	120	—	475	90	150	108	90	Rp 3/4	—	170	140	130	155	M8	95	—	—
SPARKGAS 20	490	245	245	620	275	345	185	—	765	120	280	126	95	Rp 3/4	—	—	—	105	—	M8	130	—	—
SPARKGAS 20 W	460	230	230	608	263	345	185	—	740	120	280	126	95	Rp 3/4	—	—	—	105	—	M8	130	—	—
SPARKGAS 20 P	490	245	245	720	275	445	185	—	765	120	280	126	95	Rp 3/4	—	—	—	105	—	M8	130	—	—
SPARKGAS 20 PW	460	230	230	708	263	445	185	—	740	120	280	126	95	Rp 3/4	—	—	—	105	—	M8	130	—	—
SPARKGAS 30	490	245	245	650	275	375	215	—	860	170	300	135	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 30 W	460	230	230	638	263	375	215	—	835	170	300	135	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 30 P	490	245	245	750	275	475	215	—	860	170	300	135	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 30 PW	460	230	230	738	263	475	215	—	835	170	300	135	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 35	490	245	245	637	275	362	200	—	965	130	350	155	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 35 W	475	230	245	625	263	362	200	—	925	130	350	155	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 35 P	490	245	245	755	275	480	200	—	965	130	350	155	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
SPARKGAS 35 PW	475	230	245	743	263	480	200	—	925	130	350	155	135	Rp 1 1/4	—	—	—	140	175	M12	150	—	—
BGN 17 DSPGN	545	255	290	595	215	380	245	—	730	110	285	126	95	Rp 1	—	—	—	105	—	M8	130	—	—
BGN 26 DSPGN	545	255	290	530	215	315	180	—	850	130	315	135	114	Rp 1	—	—	—	120	145	M10	145	—	—
BGN 34	410	180	230	645	270	375	215	—	870	150	330	155	135	Rp 1 1/4	—	—	—	140	175	M12	165	—	—
BGN 34 P	410	180	230	745	270	475	215	—	940	150	330	155	135	Rp 1 1/4	—	—	—	140	175	M12	165	—	—
BGN 34 DSPGN	540	250	290	605	270	335	200	—	925	150	330	155	135	Rp 1 1/2	—	—	—	140	175	M12	165	—	—
BGN 40 P	470	220	250	690	295	395	200	—	1100	150	330	155	135	Rp 1 1/4	—	—	—	140	175	M12	165	—	—
BGN 40 DSPGN	540	290	250	690	295	395	205	—	1100	150	330	155	135	Rp 1 1/2	—	—	—	140	175	M12	165	—	—
BGN 50	470	220	250	780	295	485	245	—	1150	210	400	170	135	Rp 1 1/2	—	—	—	140	175	M12	180	—	—
BGN 60 P	560	250	310	845	365	480	240	—	1270	170	400	205	160	Rp 1 1/2	—	—	—	165	—	M12	190	—	—
BGN 60 DSPGN	630	320	310	800	365	435	240	—	1270	170	400	205	160	Rp 2	—	—	—	165	—	M12	190	—	—
BGN 100 P	560	250	310	845	365	480	240	—	1330	240	460	230	160	Rp 2	—	—	—	165	—	M12	190	—	—
BGN 100 DSPGN	630	320	310	815	365	450	255	—	1330	240	460	230	160	Rp 2	—	—	—	165	—	M12	190	—	—
BGN 120 P	590	250	340	865	365	500	260	—	1400	220	440	270	195	Rp 2	—	—	—	195	—	M16	220	—	—
BGN 120 DSPGN	660	320	340	855	365	490	295	—	1400	220	440	270	195	Rp 2	—	—	—	195	—	M16	220	—	—
BGN 150 P	655	290	365	950	450	500	260	—	1500	220	440	270	195	Rp 2	—	—	—	195	—	M16	220	—	—
BGN 150 DSPGN	655	290	365	990	450	540	295	—	1500	220	440	270	195	Rp 2	—	—	—	195	—	M16	220	—	—
BGN 200 P	830	395	435	1130	580	550	305	—	1850	300	600	320	220	DN65	—	—	—	240	—	M16	240	—	—
BGN 200 DSPGN	830	395	435	1300	580	720	430	—	1850	300	600	320	220	DN65	—	—	—	240	—	M16	240	—	—
BGN 250 P	875	395	480	1175	580	595	305	—	1850	300	600	320	220	DN80	—	—	—	240	—	M16	240	—	—
BGN 250 DSPGN	875	395	480	1235	580	655	365	—	1850	300	600	320	220	Rp 2	—	—	—	240	—	M16	240	—	—
BGN 300 P	875	395	480	1205	580	625	335	—	1850	275	465	320	275	Rp 2	—	—	—	490	—	M20	340	—	—
BGN 300 DSPGN	875	395	480	1265	580	685	395	—	1850	275	465	320	275	Rp 2	—	—	—	490	—	M20	390	—	—
BGN 350 P	880	400	480	1265	580	685	395	—	1850	275	465	356	275	DN65	—	—	—	490	—	M20	390	—	—
BGN 350 DSPGN	880	400	480	1270	580	690	395	—	1850	275	465	356	275	Rp 2	—	—	—	490	—	M20	390	—	—
GI 350 DSPGN	1160	490	670	1585	750	835	545	—	1970	230	600	355	325	DN65	—	—	—	480	—	M20	375	—	—
GI 420 DSPGN	1175	490	685	1530	750	780	490	—	2030	320	625	400	355	DN65	—	—	—	520	—	M20	420	—	—
GI 510 DSPGN	1175	490	685	1540	750	790	495	—	2030	320	625	400	355	DN80	—	—	—	520	—	M20	420	—	—
GI 1000 DSPGN	1235	570	665	1257	855	402	200	275	2060	440	—	480	685	DN100	Rp 1/2	—	—	630	—	M16	495	1360	795

Notes

*) Sizes B, B2, B3, B4, G and G1 regard burner fitted with standard gas train.

BTG - SPARKGAS - BGN - GI

Natural gas and LPG burners



Technical data

One-stage

Model	Fuel consumption				Burner output		Natural gas minimal pressure ^{b)} mbar	Mains supply	Rated power motor kW	Package dimensions L x P x H mm	Weight with package kg	Notes
	Natural gas ^{a)} min. m ³ /h	Natural gas ^{a)} max. m ³ /h	LPG ^{a)} min. m ³ /h	LPG ^{a)} max. m ³ /h	min. kW	max. kW						
BTG 3	1,7	4,3	0,6	1,6	16,6	42,7	12	1N ~ 50Hz 230V	0,09	400 x 280 x 280	9	1)
BTG 3,6	1,6	4,2	0,6	1,5	16,3	41,9	12	1N ~ 50Hz 230V	0,10	500 x 300 x 300	12	1)
BTG 6	3,1	5,7	1,2	2,3	30,6	56,3	12	1N ~ 50Hz 230V	0,10	500 x 300 x 300	12	1)
BTG 11	4,9	10,0	1,9	4,3	48,8	99,0	12	1N ~ 50Hz 230V	0,10	540 x 300 x 320	12	1)
SPARKGAS 20 • 20 W	8,0	20,1	3,1	7,8	80,0	200,0	15 ÷ 23	1N ~ 50Hz 230V	0,37	980 x 540 x 480	36	2)
SPARKGAS 30 • 30 W	7,0	31,7	2,7	12,3	70,0	315,0	13 ÷ 19	1N ~ 50Hz 230V	0,37	980 x 540 x 480	36	2)
SPARKGAS 35 • 35 W	9,0	36,0	3,5	14,0	90,0	358,0	13 ÷ 21	1N ~ 50Hz 230V	0,37	1100 x 540 x 480	36	2)
BGN 34	12,0	34,0	4,6	13,0	118,0	338,0	13 ÷ 19	3N ~ 50Hz 400V	0,37	1080 x 530 x 460	35	2)
BGN 50	17,0	60,0	6,6	23,0	169,0	596,0	17 ÷ 29	3N ~ 50Hz 400V	0,37	1260 x 660 x 680	65	2)

Two-stage

Model	Fuel consumption				Burner output		Natural gas minimal pressure ^{b)} mbar	Mains supply	Rated power motor kW	Package dimensions L x P x H mm	Weight with package kg	Notes
	Natural gas ^{a)} min. m ³ /h	Natural gas ^{a)} max. m ³ /h	LPG ^{a)} min. m ³ /h	LPG ^{a)} max. m ³ /h	min. kW	max. kW						
BTG 3,6 P	1,6	4,2	0,6	1,5	16,3	41,9	12	1N ~ 50Hz 230V	0,10	500 x 300 x 320	12	1)
BTG 6 P	3,1	5,7	1,2	2,3	30,6	56,3	12	1N ~ 50Hz 230V	0,10	500 x 300 x 320	12	1)
BTG 11 P	4,9	10,0	1,9	4,3	48,8	99,0	12	1N ~ 50Hz 230V	0,10	540 x 300 x 320	12	1)
SPARKGAS 20P • 20 PW	8,0	20,1	3,1	7,8	80,0	200,0	15 ÷ 23	1N ~ 50Hz 230V	0,37	980 x 540 x 480	36	3)
SPARKGAS 30P • 30 PW	9,0	31,7	3,5	12,3	90,0	315,0	13 ÷ 19	1N ~ 50Hz 230V	0,37	980 x 540 x 480	36	3)
SPARKGAS 35P • 35 PW	9,0	36,0	3,5	14,0	90,0	358,0	13 ÷ 21	1N ~ 50Hz 230V	0,37	1100 x 540 x 480	36	3)
BGN 34 P	12,0	34,0	4,6	13,0	118,0	338,0	13 ÷ 19	3N ~ 50Hz 400V	0,37	1080 x 530 x 460	37	3)
BGN 40 P	19,0	43,0	7,0	17,0	185,0	425,0	11 ÷ 18	3N ~ 50Hz 400V	0,37	1260 x 660 x 680	63	3)
BGN 60 P	25,0	75,0	9,7	27,2	248,0	738,0	18 ÷ 24	3N ~ 50Hz 400V	1,1	1510 x 750 x 720	88	3)
BGN 100 P	28,0	101,0	11,0	39,0	280,0	995,0	17 ÷ 34	3N ~ 50Hz 400V	1,1	1510 x 750 x 720	91	3)
BGN 120 P	35,0	121,0	14,0	46,6	350,0	1200,0	19 ÷ 33	3N ~ 50Hz 400V	1,5	1510 x 750 x 720	100	3)
BGN 150 P	42,0	144,0	16,2	56,0	414,0	1428,0	20 ÷ 150	3N ~ 50Hz 400V	2,2	1700 x 1000 x 710	148	3)
BGN 200 P	60,0	202,0	23,1	78,4	590,0	2000,0	26 ÷ 150	3N ~ 50Hz 400V	3,0	2030 x 1210 x 990	220	3)
BGN 250 P	50,0	252,0	19,2	98,0	490,0	2500,0	38 ÷ 150	3N ~ 50Hz 400V	7,5	2030 x 1210 x 990	249	3)
BGN 300 P	66,0	300,0	25,8	117,0	657,0	2982,0	20 ÷ 150	3N ~ 50Hz 400V	7,5	2030 x 1210 x 990	286	3)
BGN 350 P	93,0	353,0	36,2	137,3	924,0	3500,0	26 ÷ 150	3N ~ 50Hz 400V	7,5	2030 x 1210 x 990	290	3)

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Progressive two-stage/modulating c)

Model	Fuel consumption				Burner output		Natural gas minimal pressure b)	Mains supply	Rated power motor kW	Package dimensions L x P x H mm	Weight with package kg	Notes
	Natural gas a) min. m ³ /h	Natural gas a) max. m ³ /h	LPG a) min. m ³ /h	LPG a) max. m ³ /h	min. kW	max. kW						
BGN 17 DSPGN	7	17	2,7	6,6	69	169	23	1N~50Hz 230V	0,18	930 x 600 x 940	73	3)
BGN 26 DSPGN	10	26	3,9	10,0	99	258	20	1N~50Hz 230V	0,18	1260 x 660 x 680	75	3)
BGN 34 DSPGN	12	34	4,6	13,0	118	338	20	3N~50Hz 400V	0,37	1260 x 660 x 680	83	3)
BGN 40 DSPGN	19	43	7,0	17,0	185	425	20	3N~50Hz 400V	0,37	1510 x 750 x 720	124	3)
BGN 60 DSPGN	25	75	9,7	27,2	248	738	22	3N~50Hz 400V	1,1	1510 x 750 x 720	149	3)
BGN 100 DSPGN	28	101	11,0	39,0	280	995	30	3N~50Hz 400V	1,1	1510 x 750 x 720	152	3)
BGN 120 DSPGN	35	121	14,0	46,6	350	1200	40	3N~50Hz 400V	1,5	1510 x 750 x 720	161	3)
BGN 150 DSPGN	42	144	16,2	56,0	414	1428	27	3N~50Hz 400V	2,2	1700 x 1000 x 710	228	3)
BGN 200 DSPGN	60	202	23,1	78,4	590	2000	33	3N~50Hz 400V	3,0	2030 x 1210 x 990	300	3)
BGN 250 DSPGN	50	252	19,2	98,0	490	2500	150	3N~50Hz 400V	7,5	2030 x 1210 x 990	329	3)
BGN 300 DSPGN	66	300	25,8	117,0	657	2982	150	3N~50Hz 400V	7,5	2030 x 1210 x 990	366	3)
BGN 350 DSPGN	93	353	36,2	137,3	924	3500	150	3N~50Hz 400V	7,5	2030 x 1210 x 990	370	3)
GI 350 DSPGN	120	478	-	-	1188	4752	200	3N~50Hz 400V	15,0	2260 x 1520 x 1200	363	3)
GI 420 DSPGN	140	558	-	-	1386	5544	200	3N~50Hz 400V	18,5	2260 x 1520 x 1200	415	3)
GI 510 DSPGN	185	737	-	-	1831	7326	200	3N~50Hz 400V	18,5	2260 x 1520 x 1200	415	3)
GI 1000 DSPGN	251	1056	-	-	2500	10500	350	3N~50Hz 400V	22,0	2350 x 1450 x 1600	930	3)

Notes

GI burners, the industrial series also includes in addition to the models with larger capacities: the TS series with separate fan and the PYR series with separate fan and adjustable flame. Information on these models can be found in the relevant brochure.

a) Minimal thermal capacity: Natural gas 0° C, 1013 mbar = 8550 kcal/m³ = 9,9 kWh/m³

Minimal thermal capacity: L.P.G. 0° C, 1013 mbar = 22000 kcal/m³ = 25,5 kWh/m³

b) The indicated gas pressure is the one necessary at the gas train upstream to reach the maximum capacity of the burner. If a boiler with pressurized combustion chamber is used, the specific drop pressure should be add to the value we indicate.

The pairing gas train/burner is considered between the minimum and maximum pressure values indicated in the column "Min. Press. Nat. Gas" and satisfy the requirements of a normal utilisation. For pressures other then those indicated, please contact our commercial department. To choose the gas train, please see our price list.

c) The modulating burners are obtained by ordering progressive two-stage burners (DSPGN) plus the automatic regulator RWF40 and the modulation kit; specific instructions are given on the last page of this catalogue.

1) With standard device for air closing.

2) With automatic device for air closing on request.

3) With automatic device for air closing.