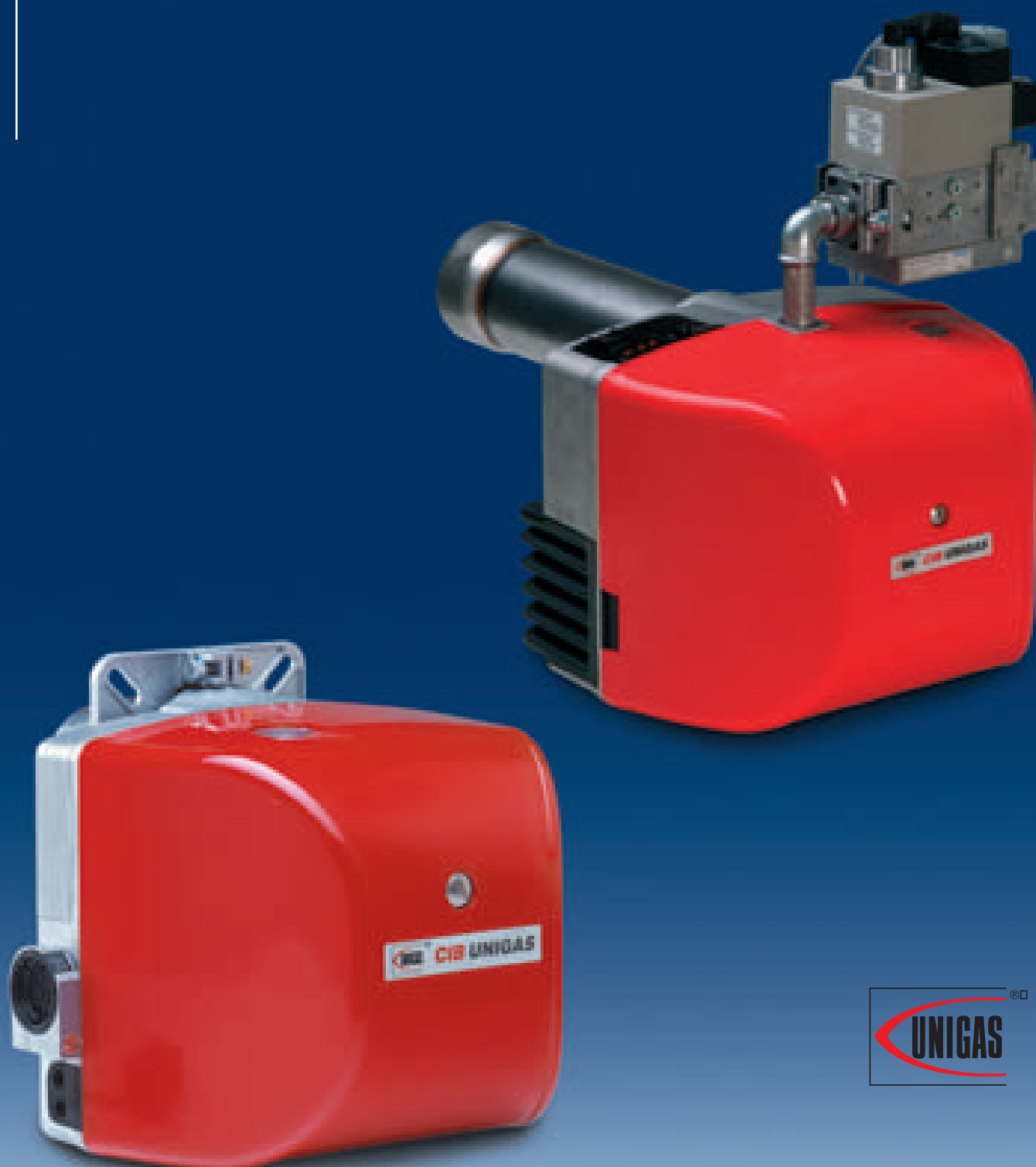


IDEA 35 / 60-70-90 / 120-140-200 - BRUCIATORI DI GAS E GASOLIO
IDEA 35 / 60-70-90 / 120-140-200 - Natural Gas & Light Oil Burners

IDEA 35 / 60-70-90 / 120-140-200 BRUCIATORI DI GAS E GASOLIO



IDEA 35 / 60-70-90 / 120-140-200
Natural Gas & Light Oil Burners





Bruciatore tipo NG35 stagno con presa aria esterna
 Burner type NG35 with airtight air intake



Questa serie di bruciatori abbraccia, per campo di applicazione e per dimensioni di ingombro, la gamma di potenza medio-piccola della nuova serie IDEA.

Essi rappresentano la più affidabile risposta alle richieste di mercato sempre più orientate verso soluzioni che offrano maggiore contenimento dei consumi e l'ottimizzazione dei rendimenti.

Il design, piacevole ed insieme funzionale, esalta le innovative soluzioni tecnologiche di questa macchina.

Tutti i modelli sono dotati di cofano asportabile in materiale plastico speciale (ABS) resistente alle elevate temperature e agli urti; inoltre il nuovo disegno della flangia di attacco di tipo scorrevole assicura una tenuta efficace ed un contenimento degli ingombri. Un vetrino spia consente di controllare visivamente la fiamma durante il funzionamento.

Tutti i componenti meccanici sono montati su di una piastra di supporto rimovibile per consentire una facile manutenzione; la posizione della testa di combustione è facilmente regolabile tramite una vite graduata ed il particolare cassetto di aspirazione dell'aria consente di contenere i livelli di rumorosità entro i limiti stabiliti.



Bruciatore tipo NG140TN
 Burner type NG140TN



These burners represent the medium-low versions of the new IDEA series, in terms of output and overall dimensions.

IDEA burners are the most reliable models available in the market thanks to their innovative solutions which optimise efficiency and consumption.

The burner is designed to be aesthetic and functional but at the same time gives prominence to innovative technologies.

All models are provided with an easily removable head resistant and weather proof cover (ABS); the new boiler connection flange improves the seal and overall dimensions; a sight glass is provided for visual sighting of the flame during operation; all components are fitted onto a backing plate which can be moved and attached to special fixings within the burner; position of combustion head can be adjusted by means of a graduated screw; a special air inlet allows to reduce noise level.

**NG35 - NG70 - NG90
NG120 - NG140 - NG200**

I bruciatori sono disponibili con i seguenti tipi di funzionamento: TN (tutto/niente), AB (bistadio), PR (progressivo) e MD (modulante).

In particolare questa serie di bruciatori è la più ampia espressione della nostra esperienza maturata nel settore del gas, grazie alla testa di combustione a campana in grado di sviluppare fiamme del tipo a diffusione ad elevato irraggiamento e che proprio grazie alla sua forma assicura la più elevata elasticità d'impiego.

The burners are available with the following options: TN (on/off), AB-PR (two stages-progressive) and MD (modulating). Effective planning has allowed us to develop a high performance combustion head.



Bruciatore tipo NG90TN
Burner type NG90TN

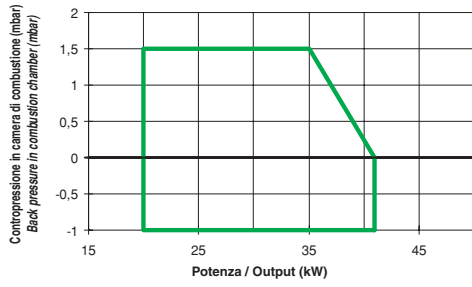


Bruciatore tipo NG200AB/PR
Burner type NG200AB/PR

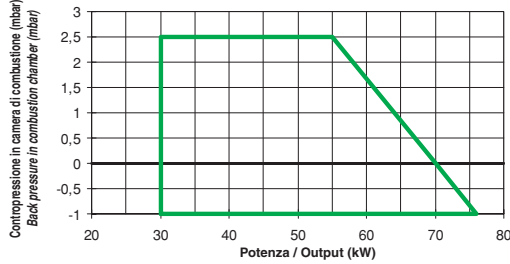
DATI TECNICI - TECHNICAL DATA

Tipo Type	Modello Model	Potenzialità Output		Pressione gas Gas Pressure mbar	Portata gas Gas rate	Attacchi gas Gas connections	Alimentazione elettrica Power supply	Motore Motor 2800g/1'	Potenza elettrica totale Total power consumption	Peso Weight	Regolazione Operation
		kW min.	kW max.	max.	Stm ³ /h		V/50 Hz	kW	kW	kg	
NG35	M-.TN.x.xx.A.0.10	20	41	65	4,3	1/2"	230V 1N ac	0,075	0,375	10	TN
NG70	M-.TN.x.xx.A.0.xx	30	70	65 (0.10) - 360 (0.15)	7,4	1/2"	230V 1N ac	0,1	0,4	14	TN
NG70	M-.AB.x.xx.A.0.xx	19	68	65 (0.10) - 360 (0.15)	7,2	1/2"	230V 1N ac	0,1	0,4	14	AB
NG90	M-.TN.x.xx.A.0.xx	40	85	65 (0.10) 360 (0.15/20)	9	1/2"-3/4"	230V 1N ac	0,1	0,4	14	TN
NG90	M-.AB.x.xx.A.0.xx	22	85	65 (0.10) 360 (0.15/20)	9	1/2"-3/4"	230V 1N ac	0,1	0,4	14	AB
NG120	M-.TN.x.xx.A.0.15	60	120	360	13	1/2"	230V 1N ac	0,18	0,48	25	TN
NG140	M-.TN.x.xx.A.0.xx	60	170	360	18	3/4"-1"	230V 1N ac	0,18	0,48	25	TN
NG140	M-.xx.x.xx.A.0.xx	35	170	360	18	3/4"-1"	230V 1N ac	0,18	0,48	25	AB-PR-MD
NG200	M-.TN.x.xx.A.0.xx	85	200	360	21	3/4"-1"	230V 1N ac	0,18	0,48	25	TN
NG200	M-.xx.x.xx.A.0.xx	42	200	360	21	3/4"-1"	230V 1N ac	0,18	0,48	25	AB-PR-MD

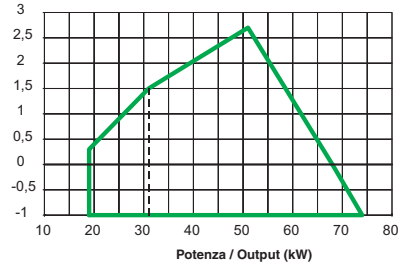
NG35 M-TN.x.xx.A.0.10



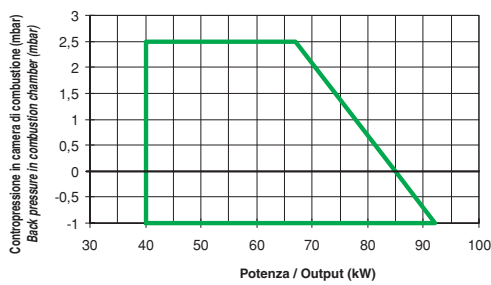
NG70 M-TN.x.xx.A.0.xx



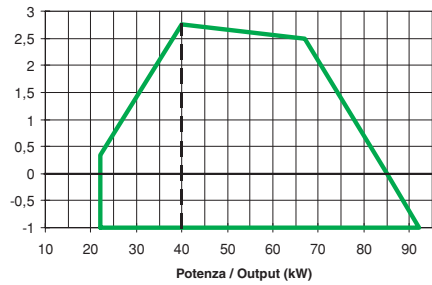
NG70 M-AB.x.xx.A.0.xx



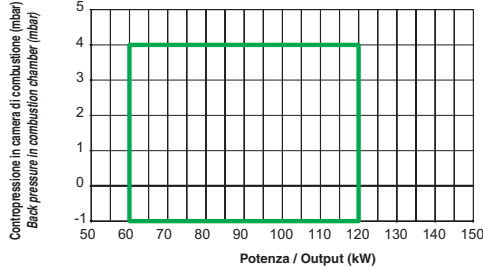
NG90 M-TN.x.xx.A.0.xx



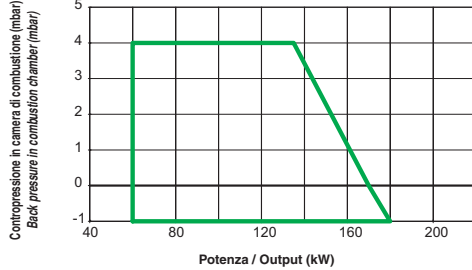
NG90 M-AB.x.xx.A.0.xx



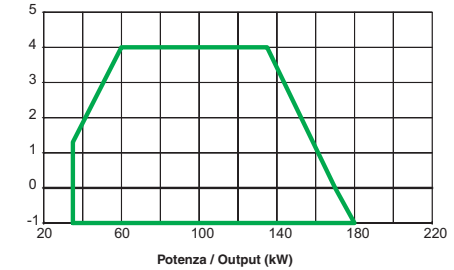
NG120 M-TN.x.xx.A.0.xx



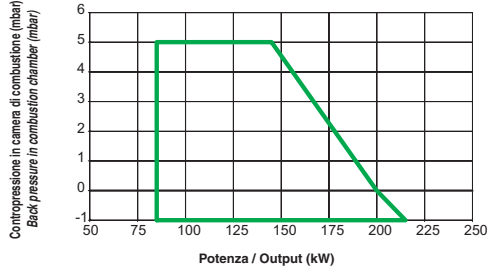
NG140 M-TN.x.xx.A.0.xx



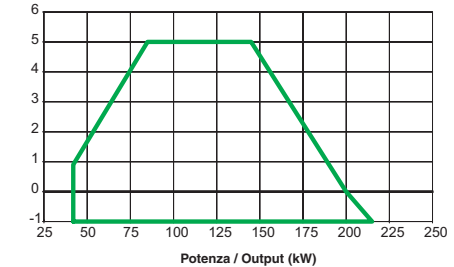
NG140 M-AB.x.xx.A.0.xx

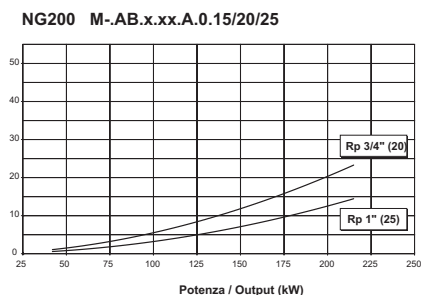
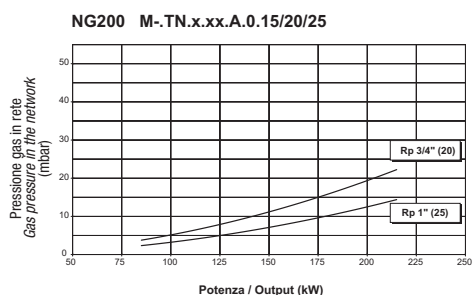
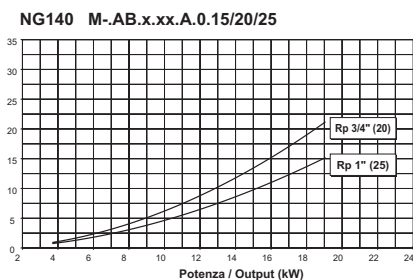
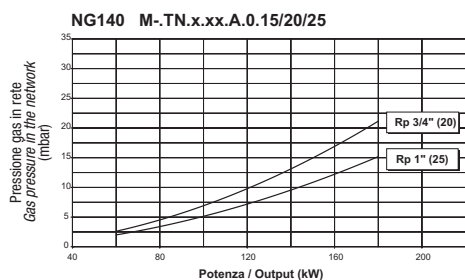
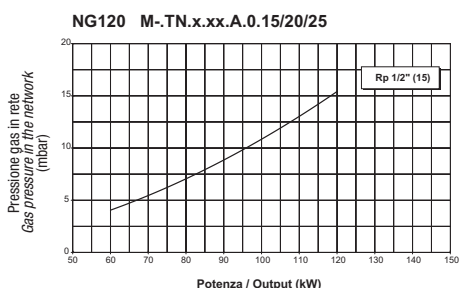
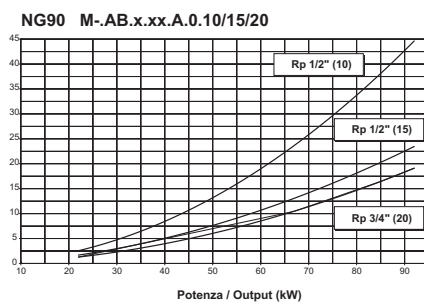
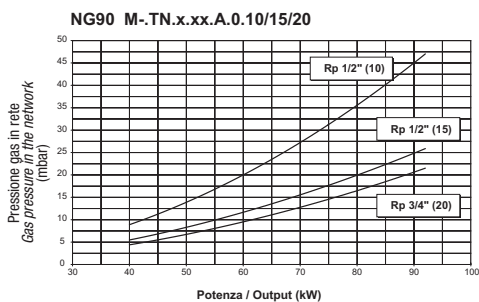
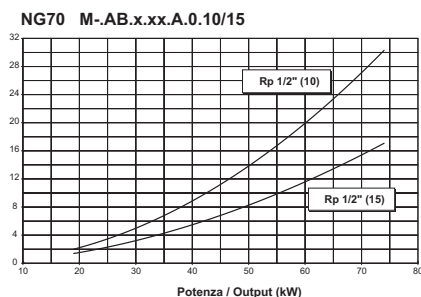
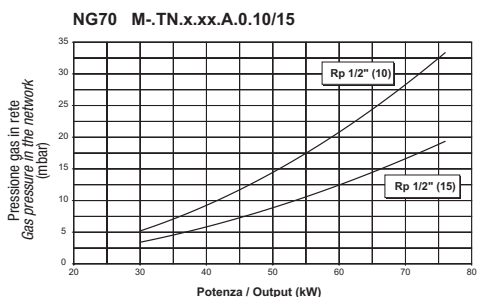
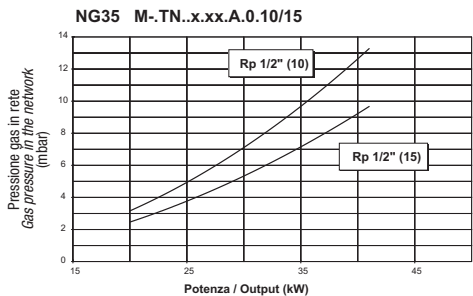


NG200 M-TN.x.xx.A.0.xx

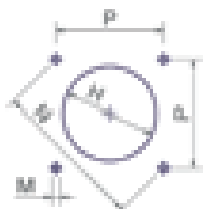
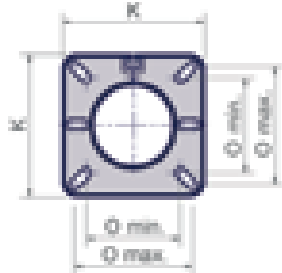


NG200 M-AB.x.xx.A.0.xx



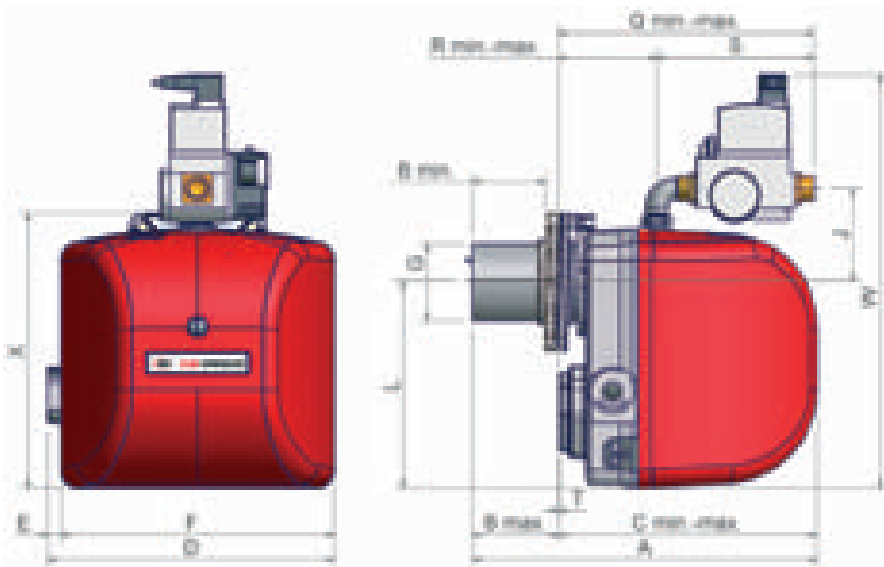


FLANGIA BRUCIATORE
Burner flange



FORATURA CALDAIA
Boiler drilling template

NG35 - NG70 - NG90

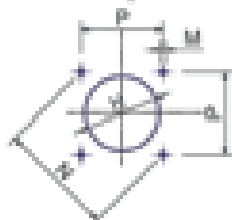
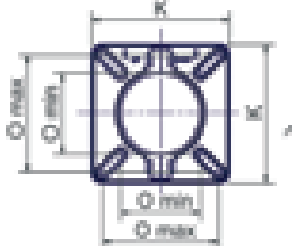


TIPO TYPE	MODELLO MODEL	A	B		C		D	F	G	J	K	L	O		Q		S	W	X	H	M	N	P
			min.	max.	min.	max.							min.	max.	min.	max.							
NG35	M-xx.S.xx.A.0.10	338	78	100	238	260	269	255	80	86	145	194	96	120	258	-	167	400	266	98	M8	153	108
NG35	M-xx.L.xx.A.0.10	416	78	178	238	338	269	255	80	86	145	194	96	120	258	-	167	400	266	98	M8	153	108
NG70	M-xx.S.xx.A.0.xx	365	78	91	274	287	304	291	80	99	145	218	96	120	271	284	167	438	291	98	M8	153	108
NG70	M-xx.L.xx.A.0.xx	443	78	169	274	365	304	291	80	99	145	218	96	120	271	362	167	438	291	98	M8	153	108
NG90	M-xx.S.xx.A.0.xx	365	66		299		304	291	80	99	145	218	96	120	299		167	438	291	98	M8	153	108
NG90	M-xx.L.xx.A.0.xx	443	78	149	274	365	304	291	80	99	145	218	96	120	292	363	167	438	291	98	M8	153	108

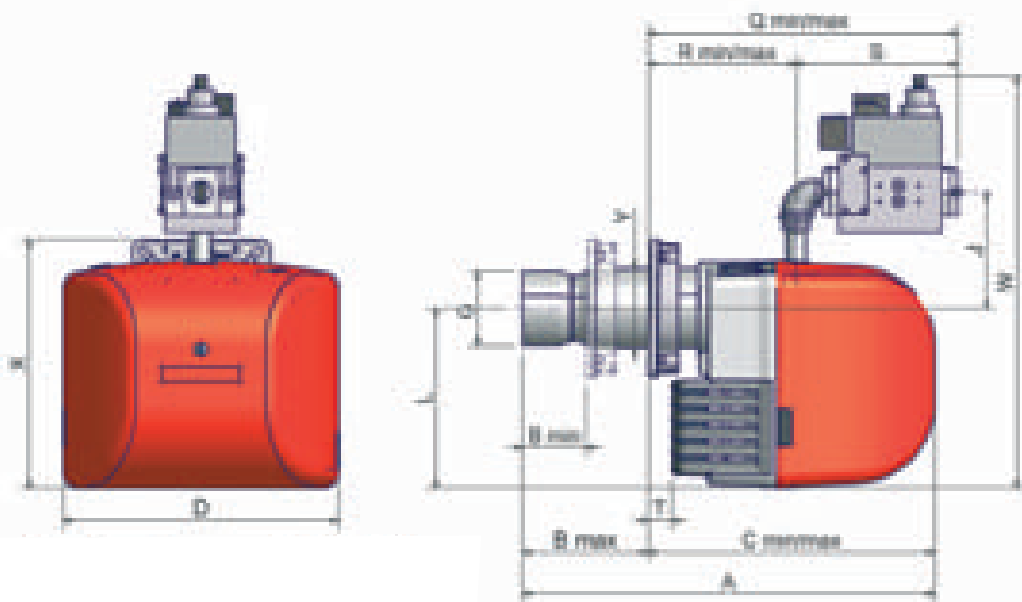
* Valori puramente indicativi - Indicative values

NG120 - NG140 - NG200

FLANGIA BRUCIATORE
Burner flange



FORATURA CALDAIA
Boiler drilling template



TIPO TYPE	MODELLO MODEL	A	B		C		D	G	J	K	L	O		Q		S	W	X	Y	H	M	N	P
			min.	max.	min.	max.						min.	max.	min.	max.								
NG120	M-TN.S.xx.A.0.15	560	85	170	390	475	373	101	158	188	245	108	158	376	461	175	537	340	108	128	M8	188	133
NG120	M-TN.L.xx.A.0.15	660	85	270	390	575	373	101	158	188	245	108	158	376	461	175	537	340	108	128	M8	188	133
NG140	M-xx.S.xx.A.0.xx	560	85	170	390	475	373	101	158	188	245	108	158	420	506	220	560	340	108	128	M8	188	133
NG140	M-xx.L.xx.A.0.xx	660	85	270	390	575	373	101	158	188	245	108	158	420	506	220	560	340	108	128	M8	188	133
NG200	M-xx.S.xx.A.0.xx	560	85	170	390	475	373	117	158	188	245	108	158	434	519	233	560	340	108	137	M8	188	133
NG200	M-xx.L.xx.A.0.xx	660	85	270	390	575	373	117	158	188	245	108	158	434	519	233	560	340	108	137	M8	188	133

* Valori puramente indicativi - Indicative values

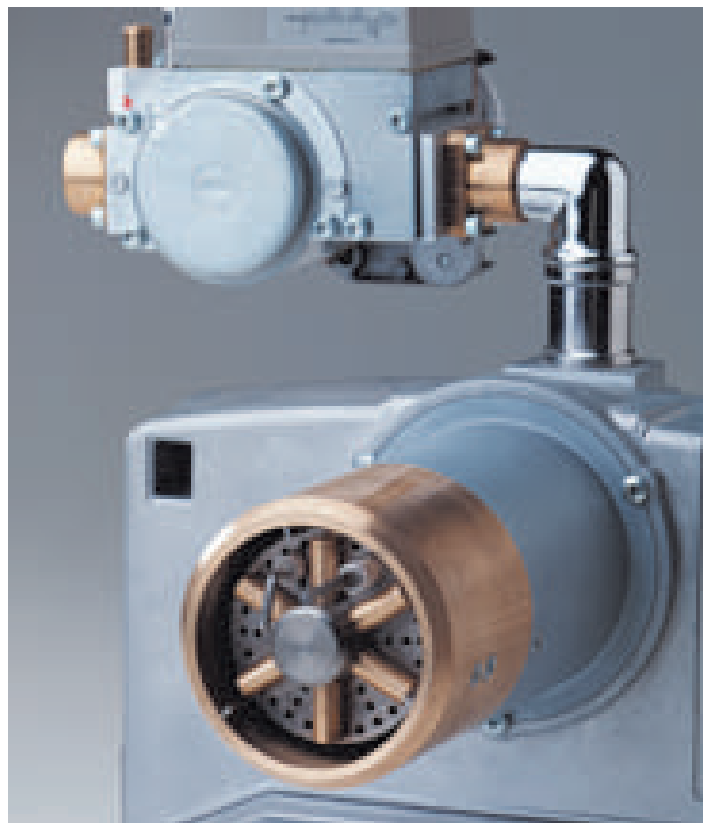
NGX35 - NGX70 - NGX120 - NGX200

I continui investimenti nello sviluppo di prodotti tecnologicamente avanzati presso il moderno laboratorio interno all'azienda, hanno posto le condizioni per creare bruciatori speciali adatti alle applicazioni in cui sono richieste le più basse emissioni di Nox.

Questi bruciatori, omologati con marchio CE (Gas Appliances Directive) da uno dei più autorevoli enti europei di settore (GASTEC) rispondono pienamente alle attuali normative sia in tema di sicurezza sia di ecologia, garantendo di minimizzare l'impatto ambientale; l'impiego di particolari teste di combustione infatti consente di distribuire il flusso dell'aria in modo tale da ottimizzare il rapporto tra combustibile ed aria comburente, mantenendo sia i valori delle emissioni Nox al di sotto di 70 mg/kWh sia le emissioni di CO inferiori a 60 mg/kWh con 0% di O₂.

The aim of the research project in our laboratory is to develop a low-environmental impact range of burners equipped with special combustion heads allowing emission matching the lowest values required by the European directives.

IDEA series comply with all requirements concerning safety and environment; in fact these special combustion heads require precise control of air flow to optimise the mixture of combustion air and fuel, achieving the required values both in terms of Nox emissions, below 70 mg/kWh, both in terms of CO, below 60 mg/kWh, with 0% of O₂.

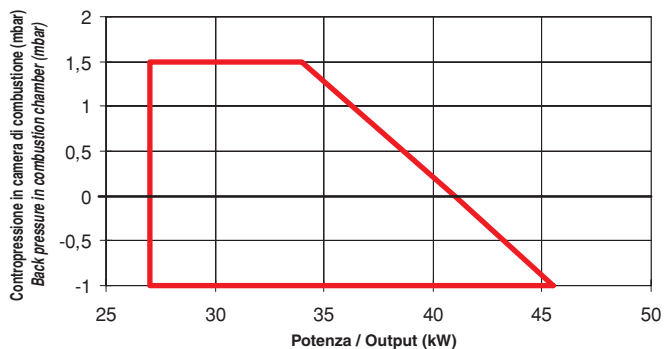


Particolare di testa a basso NOx
Low NOx combustion head

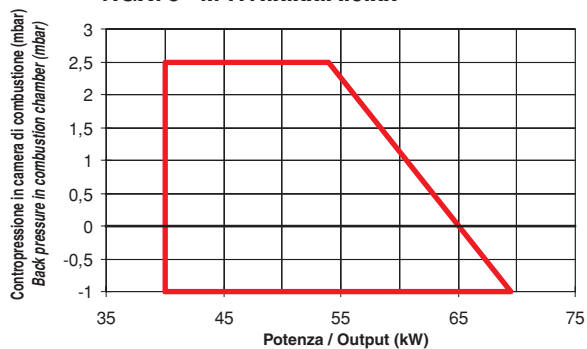
DATI TECNICI - TECHNICAL DATA

Tipo Type	Modello Model	Potenzialità Output		Pressione gas Gas Pressure mbar	Portata gas Gas rate	Attacchi gas Gas connections	Alimentazione elettrica Power supply	Motore Motor 2800g/1'	Potenza elettrica totale Total power consumption	Peso Weight	Regolazione Operation
		kW min.	kW max.								
NGX35	M-.TN.x.xx.A.0.xx	27	41	65 (0.10) - 360 (0.15)	4,3	1/2"	230V 1N ac	0,075	0,375	10	TN
NGX70	M-.TN.x.xx.A.0.xx	40	65	360	6,9	1/2"-3/4"	230V 1N ac	0,1	0,4	14	TN
NGX70	M-.AB.x.xx.A.0.xx	21	65	360	6,9	1/2"-3/4"	230V 1N ac	0,1	0,4	14	AB
NGX120	M-.TN.x.xx.A.0.20	75	120	360	13	3/4"	230V 1N ac	0,18	0,48	25	TN
NGX120	M-.xx.x.xx.A.0.20	35	120	360	13	3/4"	230V 1N ac	0,18	0,48	25	AB-PR-MD
NGX200	M-.TN.x.xx.A.0.xx	85	150	360	16	3/4"-1"	230V 1N ac	0,18	0,48	25	TN
NGX200	M-.xx.x.xx.A.0.xx	40	150	360	16	3/4"-1"	230V 1N ac	0,18	0,48	25	AB-PR-MD

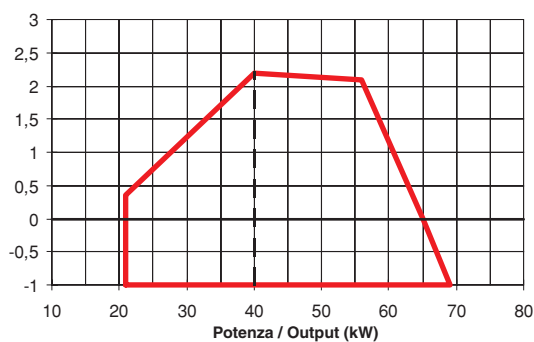
NGX35 M-.TN.x.xx.A.0.xx



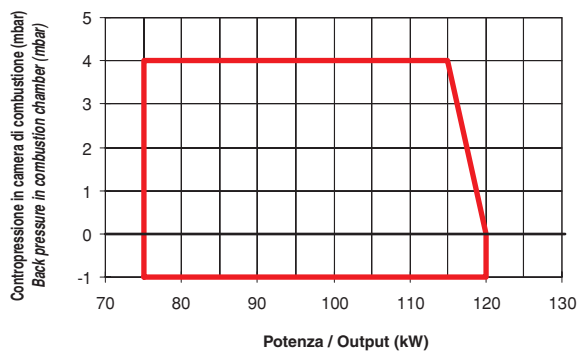
NGX70 M-.TN.x.xx.A.0.xx



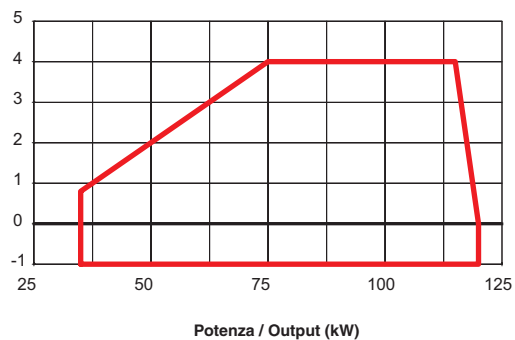
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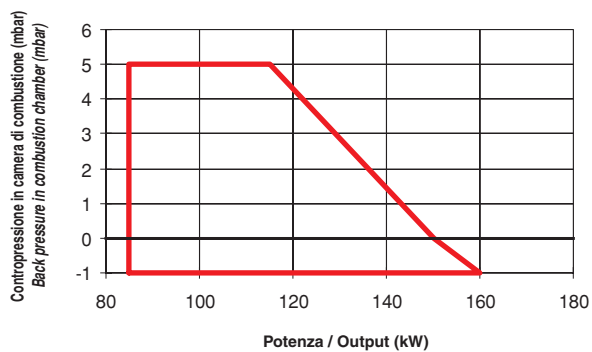
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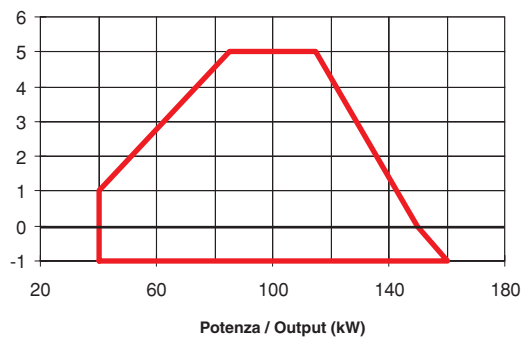
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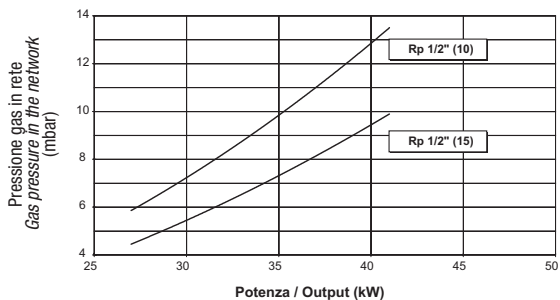
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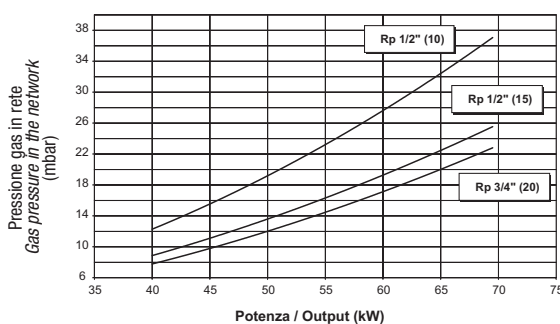
NGX200 M-.xx.x.xx.A.0.xx



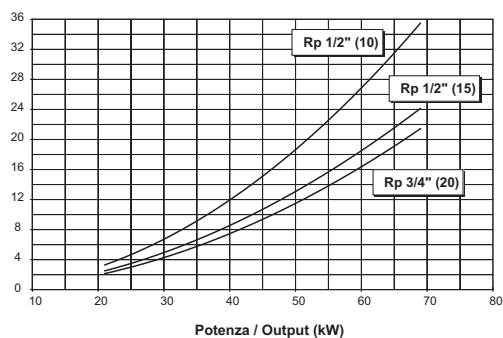
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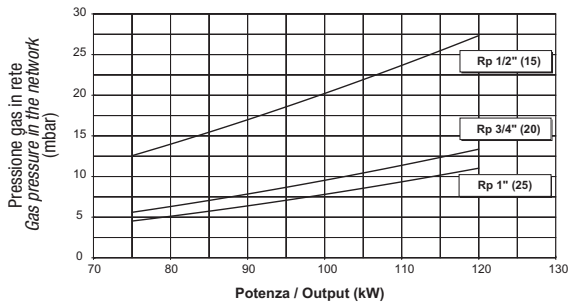
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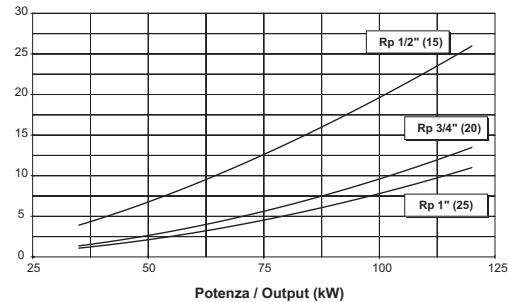
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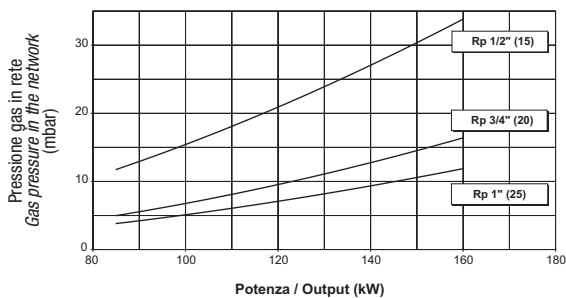
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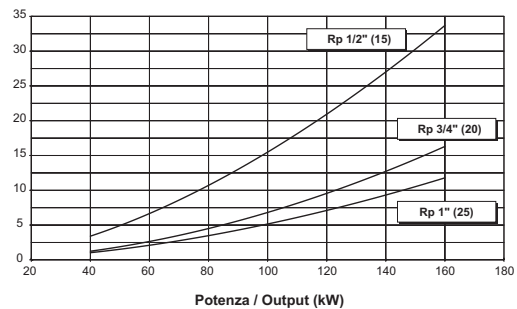
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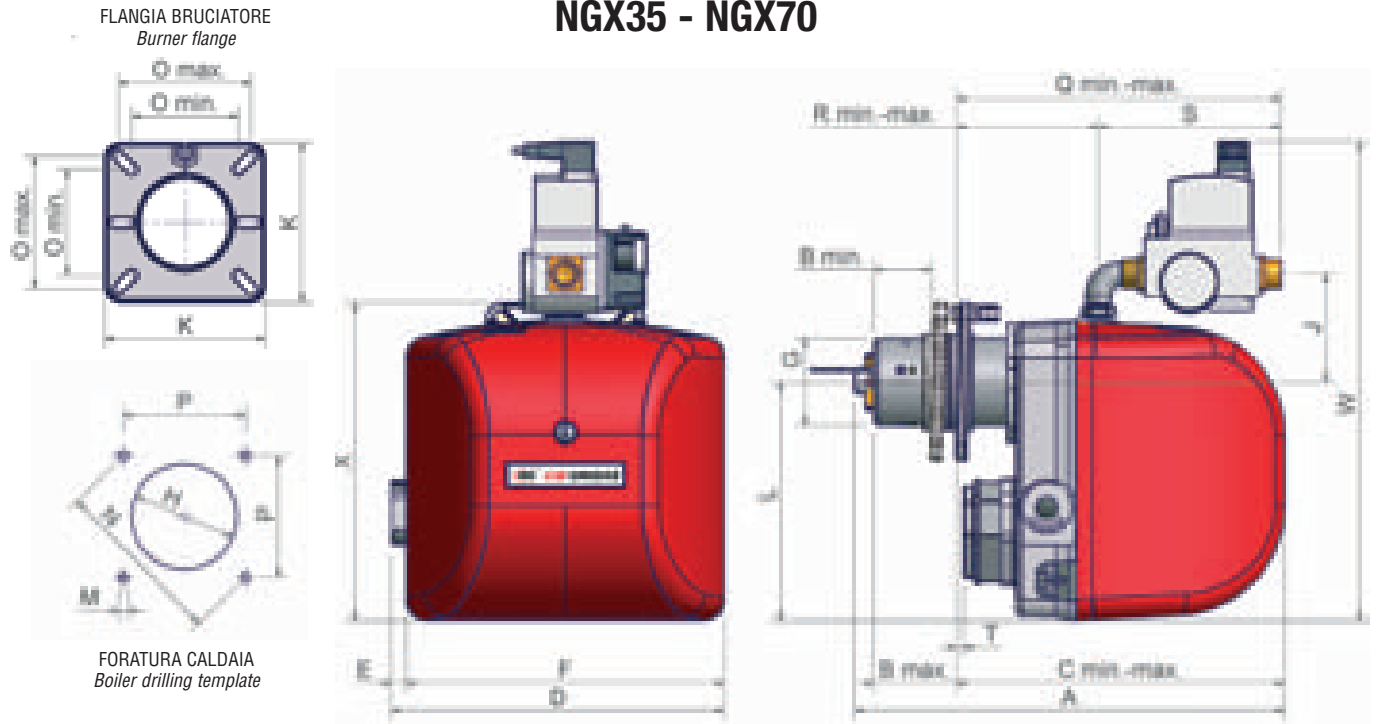
NGX200 M-.TN.x.xx.A.x.15/20/25



NGX200 M-.AB.x.xx.A.x.15/20/25



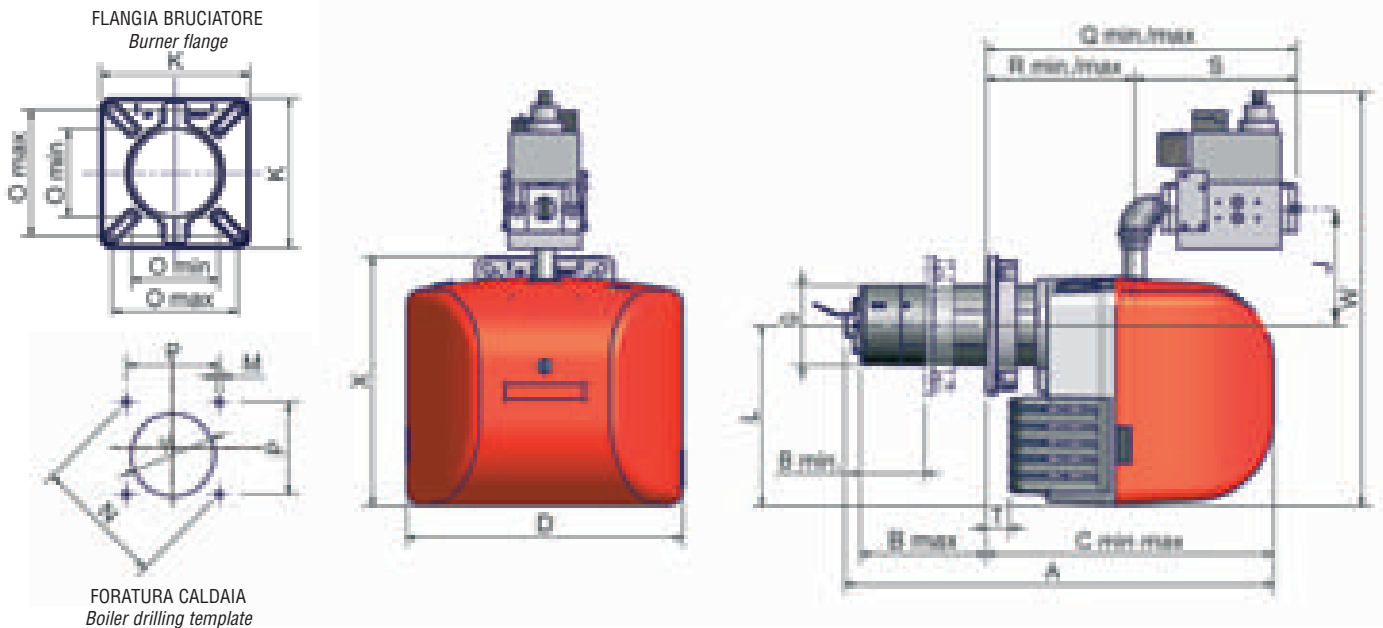
NGX35 - NGX70



TIPO TYPE	MODELLO MODEL	A	B		C		D	E	F	G	H	J	K	L	M	N	O		P	Q		R		S	T	W	X
			min.	max.	min.	max.											min.	max.		min.	max.	min.	max.				
NGX35	M-TN.S.xx.A.0.xx	337	48	100	237	289	268	14	291	64	98	85	145	193	M8	153	96	120	110	260	93	167	2	438	291		
NGX35	M-TN.L.xx.A.0.xx	415	48	178	237	367	268	14	291	64	98	85	145	193	M8	153	96	120	110	260	93	167	2	438	291		
NGX70	M-xx.S.xx.A.0.xx	393	76		299	304	14	291	80	98	99	145	218	M8	153	96	120	110	296	130	167	7	438	291			
NGX70	M-xx.L.xx.A.0.xx	461	76	149	294	377	304	14	291	80	98	99	145	M8	153	96	120	110	292	375	125	208	167	2	438	291	

* Valori puramente indicativi - Indicative values

NGX120 - NGX200



TIPO TYPE	MODELLO MODEL	A	B		C		D	G	H	J	K	L	M	N	O		P	Q		R		S	T	W	X
			min.	max.	min.	max.									min.	max.		min.	max.	min.	max.				
NGX120	M-xx.S.xx.A.0.20	581	85	170	390	475	373	108	128	158	188	245	M8	188	108	158	133	421	506	201	286	220	32	560	340
NGX120	M-xx.L.xx.A.0.20	681	85	270	390	575	373	108	128	158	188	245	M8	188	108	158	133	421	506	201	286	220	32	560	340
NGX200	M-xx.S.xx.A.0.xx	581	85	170	390	475	373	115	134	158	188	245	M8	188	108	158	133	421	506	201	286	220	32	560	340
NGX200	M-xx.L.xx.A.0.xx	681	85	270	390	575	373	115	134	158	188	245	M8	188	108	158	133	421	506	201	286	220	32	560	340

* Valori puramente indicativi - Indicative values

L035 - L060 - L090 - L0140 - L0200

I bruciatori di gasolio sono dotati di regolazione TN (tutto/niente) e AB (bistadio).

Il funzionamento del bruciatore risulta particolarmente semplificato grazie ad un diffusore di nuova concezione che permette un facile posizionamento della testa mediante una vite graduata e di ridurre al minimo la resistenza dell'aria grazie ad un portaugello appositamente studiato.

Light oil version is available on TN (single stage) and AB (two stages) operations.

The burner is very handy thanks to its special diffuser that can be easily moved along a graduated gauge on the nozzleholder which is designed to reduce the air resistance.

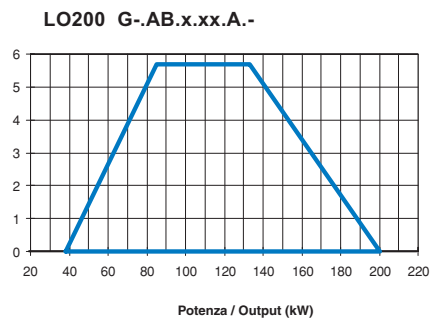
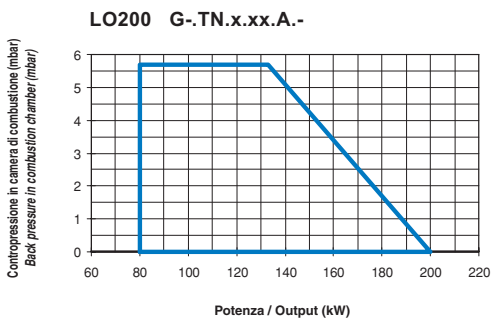
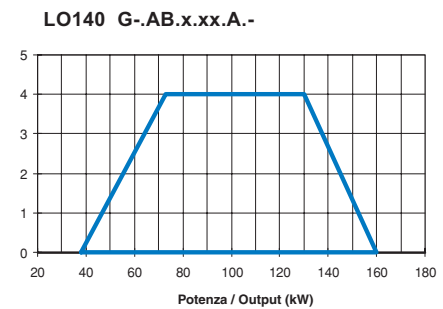
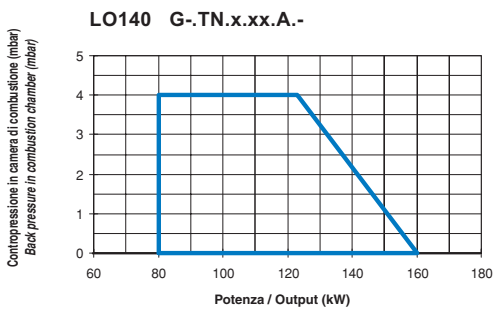
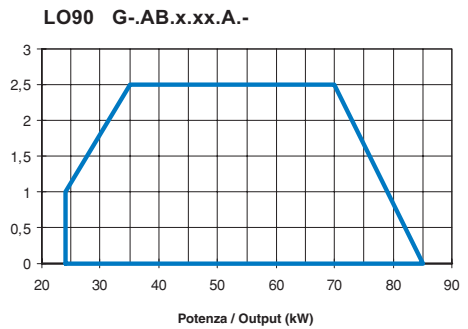
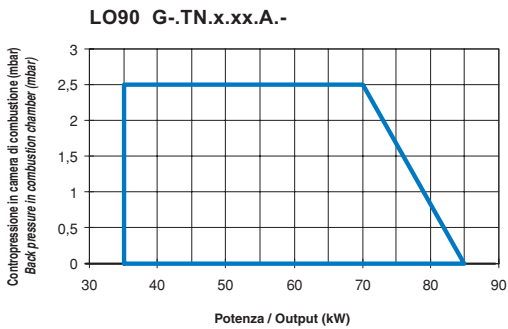
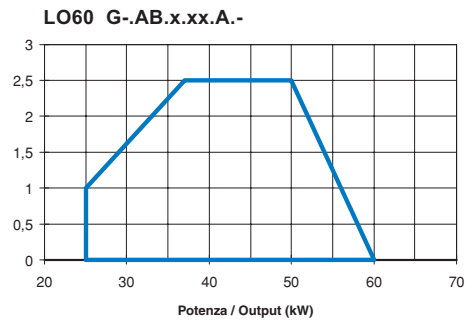
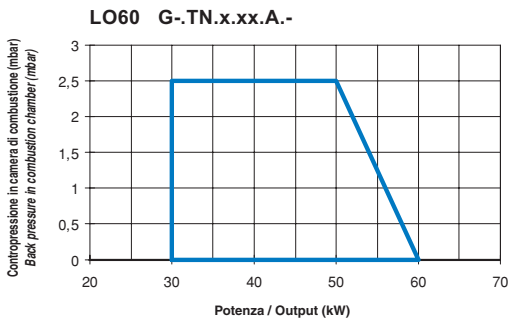
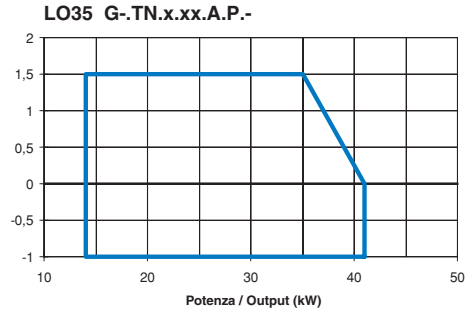
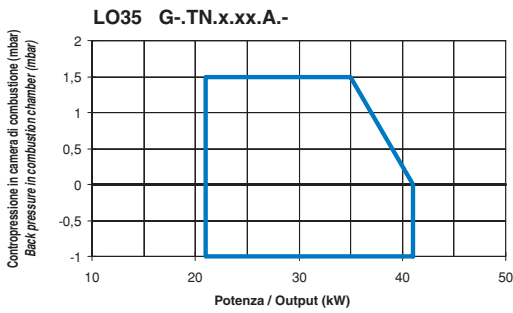


Bruciatore tipo L0140
Burner type L0140

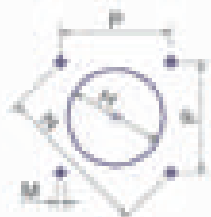
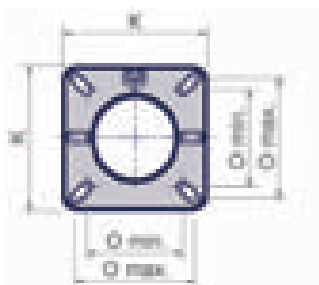
DATI TECNICI - TECHNICAL DATA

Tipo Type	Modello Model	Potenzialità Output		Portata combustibile Fuel rate kg/h		Alimentazione elettrica Power supply	Motore Motor 2800g/1'	Potenza elettrica totale Total power consumption	Peso Weight	Regolazione Operation
		kW min.	kW max.	min.	max.					
L035	G-.TN.x.xx.A.-	21	41	1,8	3,5	230V 1N ac	0,075	0,375	9,7	TN
*L035	G-.TN.x.xx.A.P.-	14	41	1,2	3,5	230V 1N ac	0,075	0,485	10	TN
L060	G-.TN.x.xx.A.-	30	60	2,5	5,1	230V 1N ac	0,1	0,4	12	TN
L060	G-.AB.x.xx.A.-	25	60	2,1	5,1	230V 1N ac	0,1	0,4	12	AB
L090	G-.TN.x.xx.A.-	35	85	2,9	7,2	230V 1N ac	0,1	0,45	12	TN
L090	G-.AB.x.xx.A.-	24	85	2	7,2	230V 1N ac	0,1	0,45	12	AB
L0140	G-.TN.x.xx.A.-	80	160	6,7	13	230V 1N ac	0,18	0,48	25	TN
L0140	G-.AB.x.xx.A.-	38	160	3,2	13	230V 1N ac	0,18	0,48	25	AB
L0200	G-.TN.x.xx.A.-	80	200	6,7	17	230V 1N ac	0,18	0,48	25	TN
L0200	G-.AB.x.xx.A.-	38	200	3,2	17	230V 1N ac	0,18	0,48	25	AB

* Bruciatore dotato di preriscaldatore sul gruppo polverizzatore - Burner with preheater

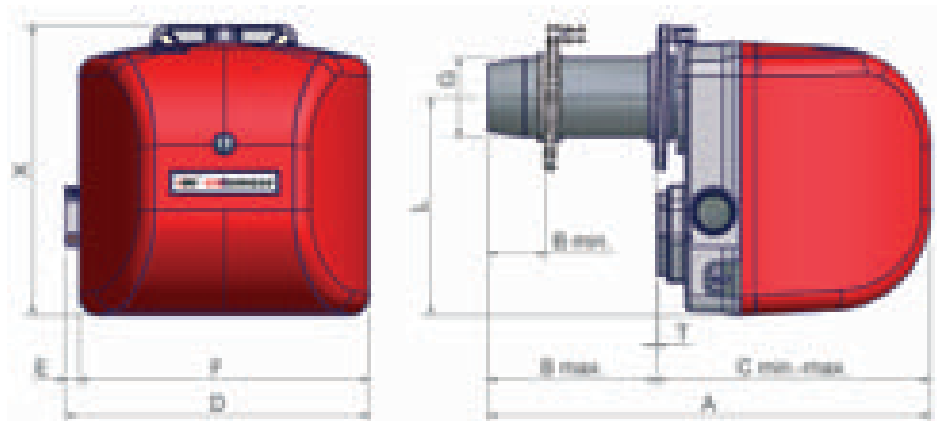


FLANGIA BRUCIATORE
Burner flange



FORATURA CALDAIA
Boiler drilling template

L035 - L060 - L090

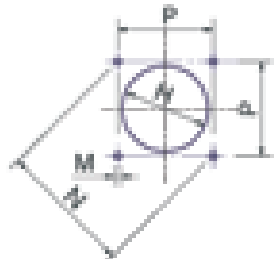
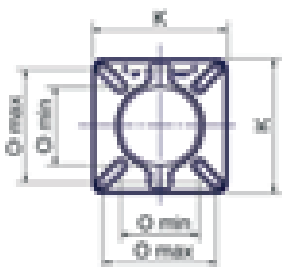


TIPO TYPE	MODELLO MODEL	A	B		C		D	E	F	G	L	K	O		T	X	H	M	N	P
			min.	max.	min.	max.							min.	max.						
L035	G-TN.S.xx.A-	338	58	100	238	280	269	14	255	80	194	145	96	120	6	266	98	M8	153	108
L035	G-TN.L.xx.A-	416	58	178	238	358	269	14	255	80	194	145	96	120	6	266	98	M8	153	108
L060	G-xx.S.xx.A-	365	58	91	274	307	304	14	291	80	218	145	96	120	2	291	98	M8	153	108
L060	G-xx.L.xx.A-	443	58	169	274	385	304	14	291	80	218	145	96	120	2	291	98	M8	153	108
L090	G-xx.S.xx.A-	365	58	71	294	307	304	14	291	80	218	145	96	120	2	291	98	M8	153	108
L090	G-xx.L.xx.A-	443	58	149	294	385	304	14	291	80	218	145	96	120	2	291	98	M8	153	108

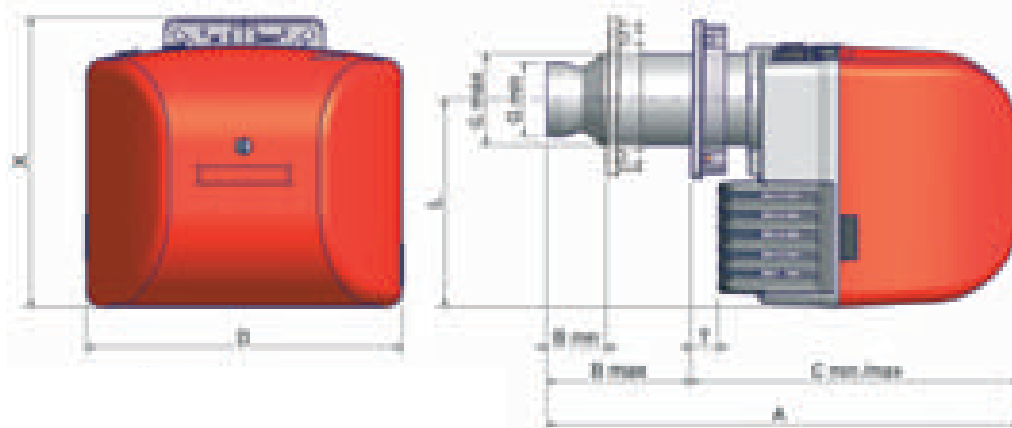
* Valori puramente indicativi - Indicative values

FLANGIA BRUCIATORE
Burner flange

L0140 - L0200



FORATURA CALDAIA
Boiler drilling template



TIPO TYPE	MODELLO MODEL	A	B		C		D	G	H	K	L	M	N	O		P	T	X
			min.	max.	min.	max.								min.	max.			
L0140	G-xx.S.xx.A-	560	80	170	390	475	373	108	128	188	244	M8	188	108	158	133	32	338
L0140	G-xx.L.xx.A-	660	80	270	390	575	373	108	128	188	244	M8	188	108	158	133	32	338
L0200	G-xx.S.xx.A-	560	65	170	390	475	373	108	128	188	244	M8	188	108	158	133	32	338
L0200	G-xx.L.xx.A-	660	65	270	390	575	373	108	128	188	244	M8	188	108	158	133	32	338

* Valori puramente indicativi - Indicative values

Grazie alla particolare piastra di supporto rimovibile sulla quale sono predisposti tutti i componenti del bruciatore, vengono semplificate le operazioni di manutenzione, con notevoli risparmi di tempo per gli interventi.

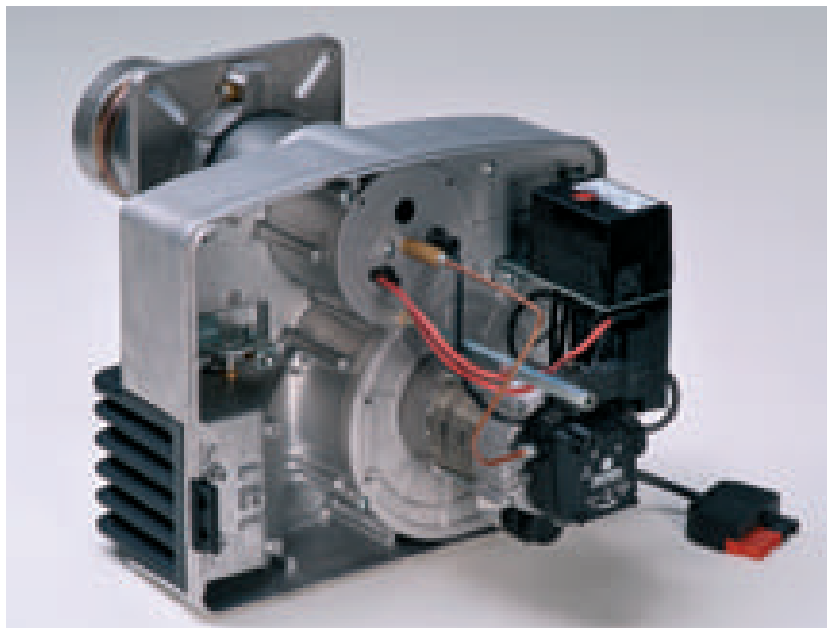
In particolare, grazie ad un sostegno sulla fusione è possibile sostenere l'intera piastra dei componenti in modo da creare un piano di lavoro per la manutenzione, senza bisogno di rimuovere il bruciatore dalla caldaia.

Infine, le apposite spine rapide predisposte sui componenti elettrici, consentono un veloce e corretto collegamento alla linea di alimentazione.

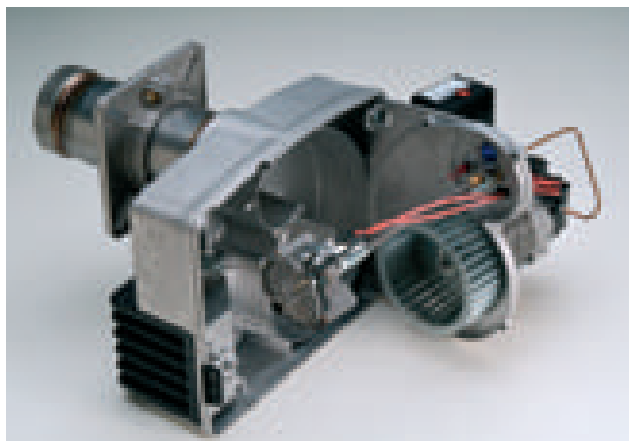
Maintenance can be simplified by means of a backing plate which fits all the components.

In fact, this particular plate is designed to be hanged on the casing to make servicing easier, avoiding to remove the burner from the boiler.

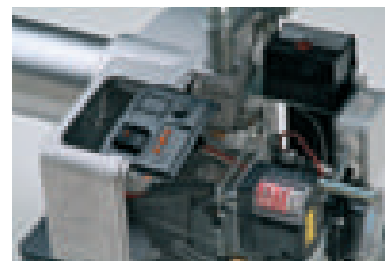
Universal pre-wired electrical plug connections avoid wiring mistakes.



Bruciatore tipo L0200: particolare dell'interno - Burner type L0200: inner view



Bruciatore tipo L0200: piastra di supporto componenti rimovibile
Burner type L0200: moveable backing plate

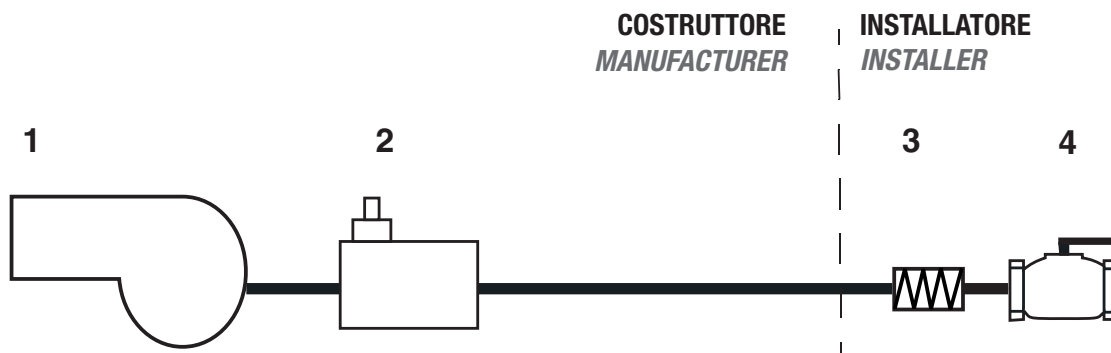


Bruciatore tipo L0200: pannello sinottico rimovibile
Burner type L0200: moveable control panel fascia

RAMPE GAS • GAS TRAIN

LEGENDA / KEY

- 1 Bruciatore / Burner
- 2 Gruppo valvole Multibloc / Valves group MB-DLE
- 3 Giunto antivibrante / Bellow joint
- 4 Rubinetto manuale di intercettazione / Manual cock



COSTRUTTORE
MANUFACTURER

INSTALLATORE
INSTALLER

1

2

3

4



ZERTIFIKAT ♦ CERTIFICATE ♦ СВИДЕТЕЛЬСТВО ♦ CERTIFICADO ♦ CERTIFICAT ♦ CERTIFICATO

CERTIFICATE



Certificate No. 01 100 3422

It attests that / This is to certify that

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF



C.I.B. UNIGAS SPA

VIA CL. COLOMBO 8
I-35011 CAMPOCARSEGO (PD)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO CONFORM TO THE REQUIREMENTS OF
UNI EN ISO 9001:2000

Refer to manual della qualità per i dettagli delle esclusioni
or refer to quality manual for details of exclusions
of requirements of the norm ISO 9001:2000

Questo certificato è valido per il seguente campo di applicazione
This certificate is valid for the following product or service range:

Progettazione e fabbricazione di bruciatori di gas, gasolio, olio
combustibile, misti e pellet, per uso civile ed industriale; supporto
tecnico ed organizzativo ai centri di assistenza tecnica esterni;
commercializzazione di condizionatori (cl. 14)

*Design and manufacture of gas, light oil, heavy oil, dual fuel and
pellet burners for domestic and industrial purpose; technical and
organizing assistance to external after-sale service agents; trade of
air conditioning systems (cl. 14)*

Issued on
2003-10-23

Lead Auditor: Stefano Rossi

Date of next certification visit
2006-09-20

SINCERT

The TUV Division of Certification
For the Certification Body
TUV Italia S.p.A.
(Contract No. 000001/01)

Stefano Rossi
Stefano Rossi
Lead Auditor





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