

GAS BURNERS

MAX GAS

MONOBLOCK 17 - 500 kW



A complete range of burners for all fuels
Полный модельный ряд горелок для всех видов топлива

MONOBLOCK 20 - 17000 kW
DUOBLOCK 350 - 25000 kW



Ecoflam

DESIGNATION

- MODEL SIZE

MAX GAS 40	40 kW
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- EMISSIONS

LN	Low NOx Class 3 - GAS EN676 (<80 mg/kWh)
-	Standard Class 2 - GAS EN676 (<120 mg/kWh)

- OPERATION TYPE

P	1 stage soft start
PAB	2 stages soft start
PR	2 stages progressive mechanical

- HEAD TYPE

TC	Short head
TL	Long head

- FUEL

GN	Gas natural
LPG	Liquid gas
BIOGAS	Biogas

- CONTROL BOX

TW	Thermowatt E-BCU
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MODULAR DELIVERY SYSTEM

- **BBCH:** Burner Body with Combustion Head
- **GT:** Gas train separate → EN676 or Export configuration
- **KIT & ACS:** Kits and accessories according to local rules installation



MAX GAS 40 P



MAX GAS 40 P



MAX GAS 170 PAB



MAX GAS 250 PAB



MAX GAS 350 P

ОБОЗНАЧЕНИЕ

- ТИПОРАЗМЕР

MAX GAS 40	40 кВт
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- ВЫБРОСЫ

LN	Low NOx класс 3 - газ по EN676 (<80 мг/кВт·ч)
-	Стандарт класс 2 - газ по EN676 (<120 мг/кВт·ч)

- ВИД РЕГУЛИРОВАНИЯ

P	одноступенчатая плавный пуск
PAB	двухступенчатая газ плавный пуск
PR	плавно-двухступенчатая с механическим регулированием

- ТИП ГОЛОВЫ

TC	Короткая огневая головка
TL	Длинная огневая головка

- ВИД ТОПЛИВА

GN	природный газ
LPG	сжиженный газ
BIOGAS	биогаз

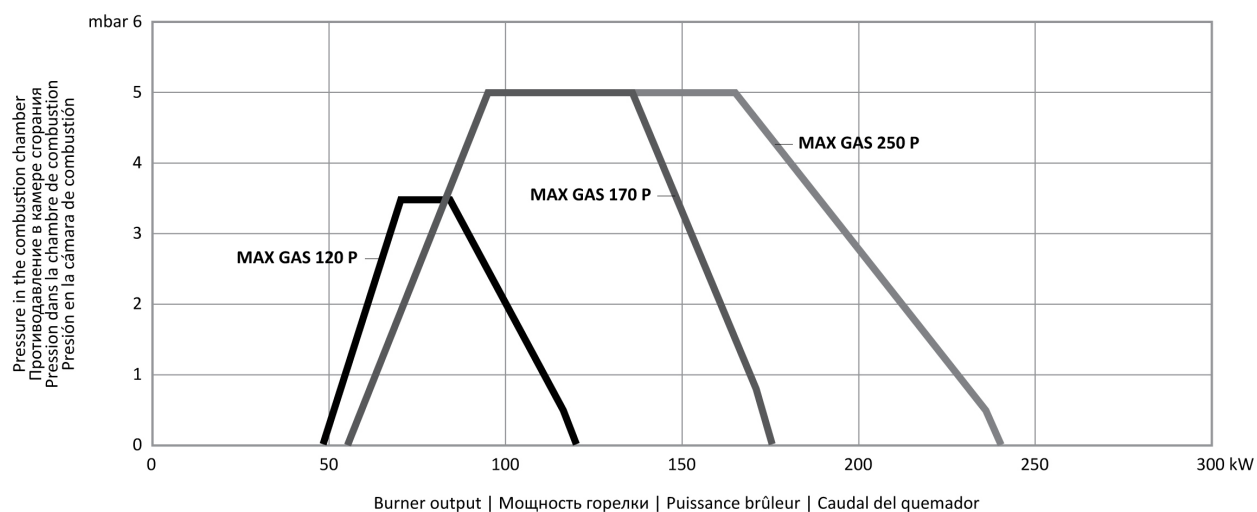
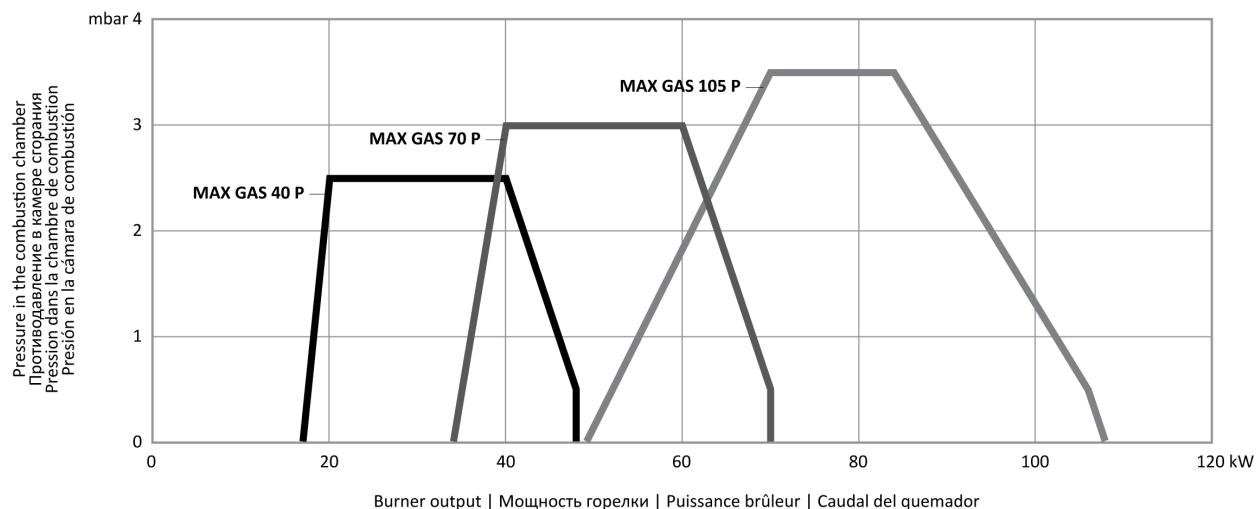
- БЛОК УПРАВЛЕНИЯ

TW	Thermowatt E-BCU
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МОДУЛЬНАЯ СИСТЕМА ПОСТАВОК

- **BBCH:** тело горелки с пламенной головкой
- **GT:** газовая рампа отдельно → исполнение по EN676 или на экспорт
- **KIT & ACS:** комплекты и принадлежности для монтажа согласно местным нормам

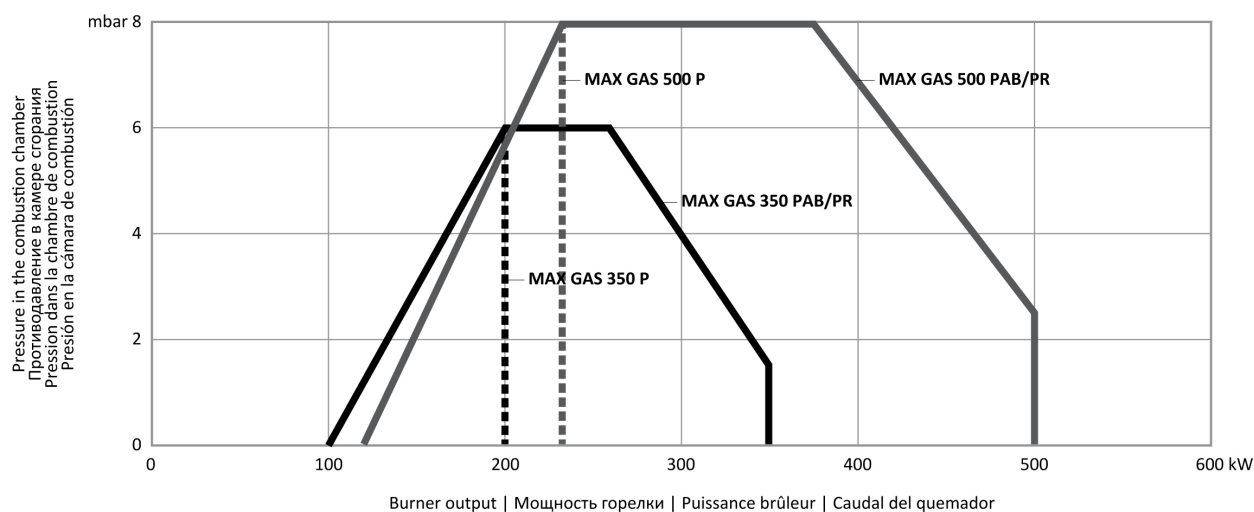
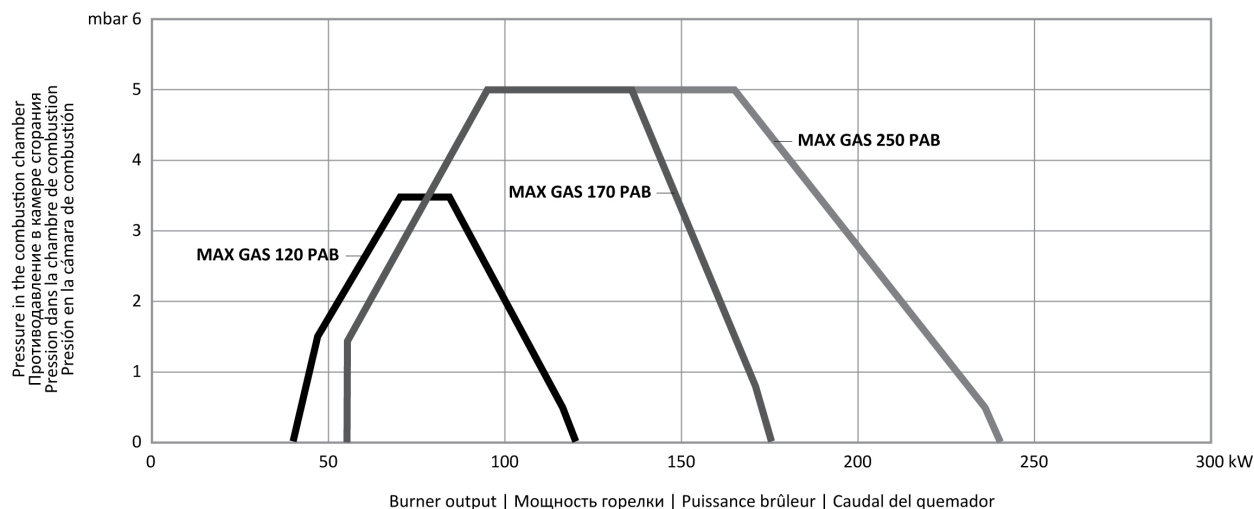
WORKING FIELDS | РАБОЧИЙ ДИАПАЗОН | COURBES DE TRAVAIL | CURVAS DE TRABAJO



TECHNICAL DATA | ТЕХНИЧЕСКИЕ ДАННЫЕ | DONNEES TECHNIQUES | DATOS TECNICOS

	Output Тепловая мощность Puissance calorifique Potencia térmica MIN / МИН		Output Тепловая мощность Puissance calorifique Potencia térmica MAX / МАКС		Gas pressure Давление газа Pression gaz Presión gas	Power supply Электропитание Tension Tensión eléctrica	Motor Мощность Двигателя Moteur Motor	Operation Модификация Fonctionnement Funcionamiento
	kW кВт	kcal/h*1000 ккал/ч*1000	kW кВт	kcal/h*1000 ккал/ч*1000				
MAX GAS 40	17	14,6	48	41,3	9 ÷ 200	230	75	P
MAX GAS 70	34	29,2	70	60,2	10 ÷ 360	230	75	P
MAX GAS 105	49	42,1	108	92,9	13 ÷ 360	230	75	P
MAX GAS 120	49	42,1	120	103,2	13 ÷ 360	230	75	P
MAX GAS 120	40	34,4	120	103,2	13 ÷ 360	230	75	PAB
MAX GAS 170	55	47,4	175	151	12 ÷ 360/500	230	200	P / PAB
MAX GAS 250	55	47,4	240	207	14 ÷ 360/500	230	200	P / PAB

WORKING FIELDS | РАБОЧИЙ ДИАПАЗОН | COURBES DE TRAVAIL | CURVAS DE TRABAJO



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	kW кВт	kcal/h*1000 ккал/ч*1000	kW кВт	kcal/h*1000 ккал/ч*1000	mbar мбар	V В	W Вт	
MAX GAS 350	200	172	350	301	17 ÷ 360/500	230	300	P
MAX GAS 350	100	86	350	301	17 ÷ 360/500	230	300	PAB / PR
MAX GAS 500	232	200	500	430	20 ÷ 360/500	230/400	550	P
MAX GAS 500	120	103	500	430	20 ÷ 360/500	230/400	550	PAB / PR

EN 676	Classe Класс	NOx mg/kWh мг/кВтч
	1	170
	2	120
	3	80

- FUEL:
natural gas (L.C.V. 8570 kcal/Nm³),
LPG (L.C.V. 22260 kcal/Nm³)

- ВИД ТОПЛИВА:
природный газ (нижн.
теплотворная способность
8570 ккал/Нм³),
сжиженный газ (нижн.
теплотворная способность
22260 ккал/Нм³)

- COMBUSTIBLE:
gaz naturel (L.C.V. 8570 kcal/Nm³),
GPL (L.C.V. 22260 kcal/Nm³)

- COMBUSTIBLE:
gas natural (L.C.V. 8570 kcal/Nm³),
GPL (L.C.V. 22260 kcal/Nm³)



- Natural gas/LPG Kit
- Комплект для сжиж. газа
- Kit gaz naturel/gaz propane
- Kit gas natural/liquado



- Hinge flange
- Шарнирный фланец
- Bride à charnière
- Brida giratoria



- Thermowatt control box
- Блок управления Thermowatt
- Coffret de sécurité Thermowatt
- Centralita de control Thermowatt



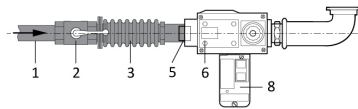
- TW diagnostic tool or display
- TW диагностический прибор или дисплей
- TW outil de diagnostic ou écran
- TW herramienta de diagnóstico o pantalla



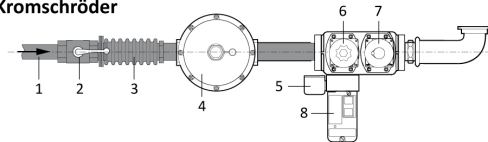
- High Temperature version
- Высокотемпературная версия
- Versions haute temperature
- Versión alta temperatura

GAS TRAIN | ГАЗОВЫЕ РАМПЫ | RAMPE GAZ | RAMPA DE GAS

MultiBloc Dungs



VCS Kromschroder



- 1 Main gas pipe | Газопровод | Tuyauterie gaz de réseau | Tubo de gas
- 2 Ball valve | Шаровый кран | Vanne d'arrêt | Valvula de corte
- 3 Antivibration coupling | Антивибрационная вставка | Manchon antivibration | Junta antivibración
- 5 Gas pressure switch | Реле давления газа | Pressostat gaz | Presostato gas
- 6/7 Gas valve | Газовый клапан | Vannes de gaz | Válvulas de gas
- 8 Leakage control | Устройство контроля герметичности | Dispositif contrôle étanchéité | Control de estanqueidad

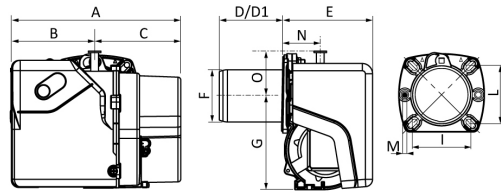
- To be supplied by the installer
- Не входит в стандартную комплектацию
- A fournir par l'installateur
- Accesorios a suministrar por el instalador

	GT configuration	Designation	Gas pressure		
			LPG min	Gas min	max
MAX GAS 40	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	7	9	65
	MBDLE403	GT-D1-MBDLE403-RP15-MAXGAS40-120	8	9	200
	GB055	GT-D1-GBLE055-RP15-MAXGAS40-120	7	9	65
	E6G*SRP Export single	GT-B1-E6GSRP-RP15-MAXGAS40-120	8	10	350
	E6G*SRP+FGDR-RP15	GT-B1-E6GSRP-RP15-MAXGAS40-120	9	12	350
MAX GAS 70	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	15	16	65
	MBC120	GT-D1-MBC120DLE-RP15-MAXGAS40-120	10	11	360
	MBDLE403	GT-D1-MBDLE403-RP15-MAXGAS40-120	19	18	200
	GB055	GT-D1-GBLE055-RP15-MAXGAS40-120	11	16	65
	E6G*SRP Export single	GT-B1-E6GSRP-RP15-MAXGAS40-120	9	20	350
MAX GAS 105-120	E6G*SRP+FGDR-RP15	GT-B1-E6GSRP-RP15-MAXGAS40-120	11	24	350
	EG12*L Export single	GT-B1-EG12L-RP15-MAXGAS40-120	8	10	350
	EG12*L+FGDR-RP15	GT-B1-EG12L-RP15-MAXGAS40-120	10	14	350
	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	15	16	65
	MBC120	GT-D1-MBC120DLE-RP15-MAXGAS40-120	10	11	360
MAX GAS 170	MBDLE403	GT-D1-MBDLE403-RP15-MAXGAS40-120	19	18	200
	MBDLE405	GT-D1-MBDLE405-RP20-MAXGAS40-120	15	16	360
	MBZRDLE405	GT-D2-MBZRDLE405-RP20-MAXGAS40-120	15	16	360
	MBDLE407+KITADAT	GT-D1-MBDLE407-RP25-MAXGAS170-250	-	13	360
	MBZRDLE407+KITADAT	GT-D2-MBZRDLE407-RP25-MAXGAS170-250	-	13	360

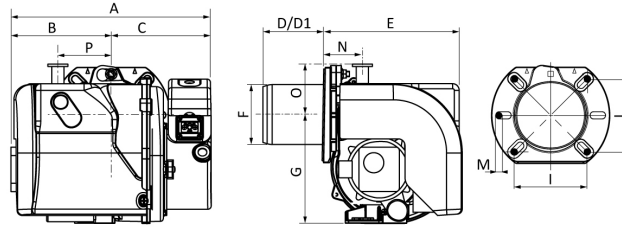
	GT configuration	Designation	Gas pressure		
			LPG min	Gas min	max
MAX GAS 250	MBDLE405 + KITADAT	GT-D1-MBDLE405-RP20-MAXGAS40-120	34	40	360
	MBZRDLE405 + KITADAT	GT-D2-MBZRDLE405-RP20-MAXGAS40-120	34	40	360
	MBDLE407	GT-D1-MBDLE407-RP25-MAXGAS170-250	24	26	360
	MBZRDLE407	GT-D2-MBZRDLE407-RP25-MAXGAS170-250	24	26	360
	MBDLE410	GT-D1-MBDLE410-RP30-MAXGAS170-250	18	27	360
MAX GAS 350	MBZRDLE410	GT-D2-MBZRDLE410-RP30-MAXGAS170-250	18	27	360
	MBDLE412	GT-D1-MBDLE412-RP32-MAXGAS170-250	-	15	360
	MBZRDLE412	GT-D2-MBZRDLE412-RP32-MAXGAS170-250	-	15	360
	VCS-125 Export	GT-K1-VCS125-RP30-MAXGAS170-250	13	21	500
	VCS-125+FGDR-RP25	GT-K1-VCS125-RP30-MAXGAS170-250	26	34	500
MAX GAS 500	VAS-125 Export single	GT-K1-VAS125-RP30-MAXGAS170-250	12	17	500
	VAS-125+FGDR-RP25	GT-K1-VAS125-RP30-MAXGAS170-250	17	30	500
	VCS-240 Export	GT-K1-VCS240-RP40-MAXGAS170-250	-	14	500
	VCS-240+FGDR-RP40	GT-K1-VCS240-RP40-MAXGAS170-250	-	15	500
	VAS-240 Export single	GT-K1-VAS240-RP40-MAXGAS170-250	-	13	500

OVERALL DIMENSIONS | PAЗMEPЫ | DIMENSIONS | DIMENSIONES

MAX GAS 40 P



MAX GAS 70 P - 105 P - 120 P



	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
MAX GAS 40 P	288	143	145	85	185	153	89	160	92/107	92/107	M8	54	73	-
MAX GAS 70 P	303	155	148	85	185	204	89	160	100/120	100/120	M8	52	71	82
MAX GAS 105 P	317	169	148	140	220	204	89	160	100/120	100/120	M8	52	71	82
MAX GAS 120 P	317	169	148	160	240	204	98	160	100/120	100/120	M8	52	71	82
MAX GAS 120 PAB	317	169	148	160	240	282	98	160	100/120	100/120	M8	52	71	82

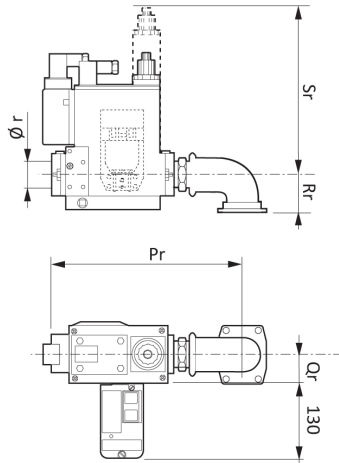
- D: short head
D1: long head

- D: короткая огневая головка
D1: длинная огневая головка

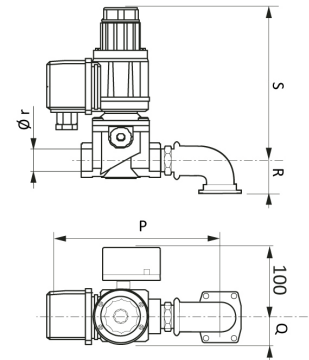
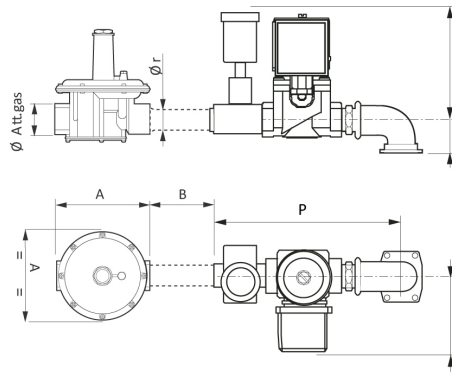
- D: tête courte
D1: tête longue

- D: cabeza corta
D1: cabeza larga

MultiBloc

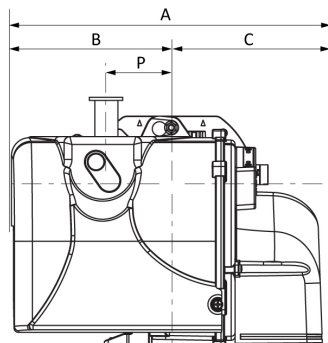


Export single valve E6GS + FGDR EG12L + FGDR

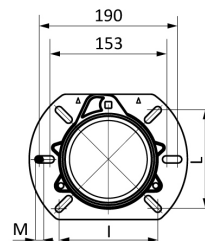
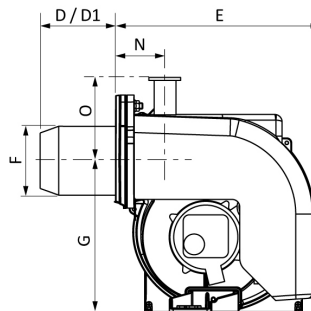
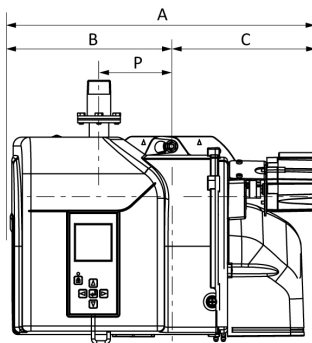


	GT Configuration	Designation	Dimension gas train				FGDR	A	B
			Pr	Qr	Rr	Sr			
MAX GAS 40	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	250	42	35	140	1/2"	-	-
	MB403	GT-D1-MBDLE403-RP15-MAXGAS40-120	150	29	35	144	1/2"	-	-
	GB055	GT-D1-GBLE055-RP15-MAXGAS40-120	225	37	35	85	1/2"	-	-
	E6G*SRP Export	GT-B1-E6GSRP-RP15-MAXGAS40-120	155	55	35	100	1/2"	-	-
	E6G*SRP+FGDR-RP15	GT-B1-E6GSRP-RP15-MAXGAS40-120	155	55	35	100	1/2"	-	-
MAX GAS 70	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	250	42	35	140	1/2"	-	-
	MBC120	GT-D1-MBC120DLE-RP15-MAXGAS40-120	225	37	35	85	1/2"	-	-
	MB403	GT-D1-MBDLE403-RP15-MAXGAS40-120	150	29	35	144	1/2"	-	-
	GB055	GT-D1-GBLE055-RP15-MAXGAS40-120	225	37	35	85	1/2"	-	-
	E6G*SRP Export	GT-B1-E6GSRP-RP15-MAXGAS40-120	155	55	35	100	1/2"	-	-
MAX GAS 105-120	E6G*SRP+FGDR-RP15	GT-B1-E6GSRP-RP15-MAXGAS40-120	155	55	35	100	1/2"	-	-
	MBC65	GT-D1-MBC65DLE-RP15-MAXGAS40-120	250	42	35	140	1/2"	-	-
	MBC120	GT-D1-MBC120DLE-RP15-MAXGAS40-120	225	37	35	85	1/2"	-	-
	MB403	GT-D1-MBDLE403-RP15-MAXGAS40-120	150	29	35	144	1/2"	-	-
	MB405	GT-D1-MBDLE405-RP20-MAXGAS40-120	194	50	35	140	3/4"	-	-
	MBZRDLE405	GT-D2-MBZRDLE405-RP20-MAXGAS40-120	194	50	35	210	3/4"	-	-
	MBDLE407+KITADAT	GT-D1-MBDLE407-RP25-MAXGAS170-250	194	50	55	140	3/4"	-	-
	MBZRDLE407+KITADAT	GT-D2-MBZRDLE407-RP25-MAXGAS170-250	194	62	55	210	3/4"	-	-
	GB055 Export	GT-D1-GBLE055-RP15-MAXGAS40-120	225	37	35	85	1/2"	-	-
	EG12*L Export	GT-B1-EG12L-RP15-MAXGAS40-120	145	40	35	155	1/2"	-	-
	VAS-125 Export single+KITADAT	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	-	-
	VAS-125+KITADAT+FGDR-RP25	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	-	-

MAX GAS 170 P - 250 P



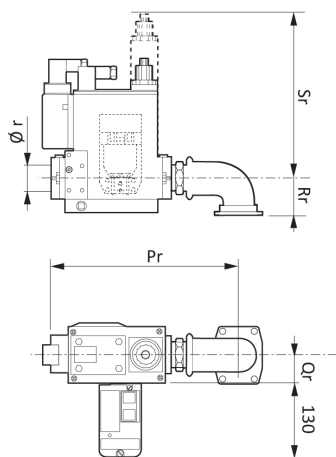
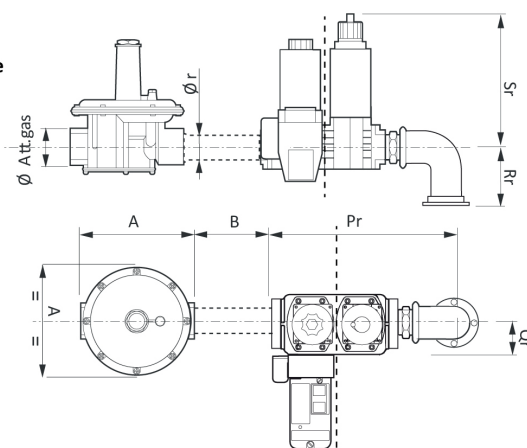
MAX GAS 170 PAB - 250 PAB



	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
MAX GAS 170/250 P	392	202	190	180	280	280	125	201	106/130	106/130	M8	73	110	104
MAX GAS 170/250 PAB	435	231	204	180	280	301	125	201	106/130	106/130	M8	73	110	104

- D: short head - D: короткая огневая головка - D: tête courte - D: cabeza corta
D1: long head D1: длинная огневая головка D1: tête longue D1: cabeza longa

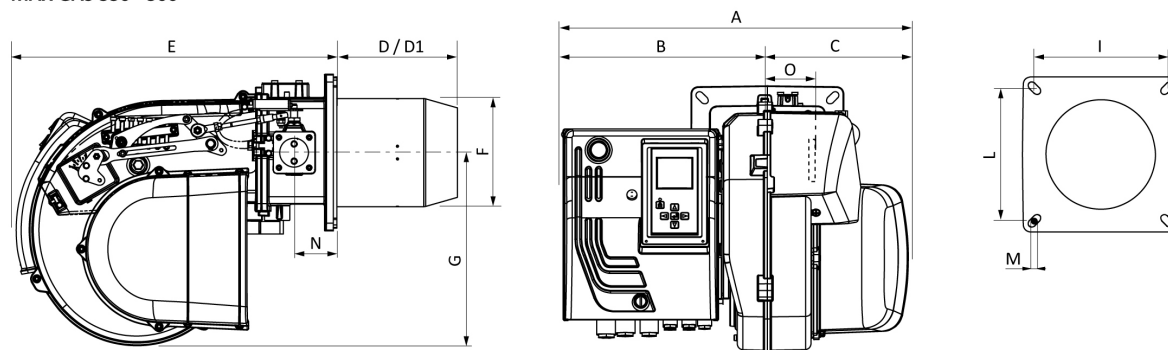
MultiBloc


VCS + FGDR
Export single
VAS + FGDR


	GT Configuration	Designation	Dimension gas train				FGDR		
			Pr	Qr	Rr	Sr	Ø r	A	B
MAX GAS 170	MBDLE405+KITADAT	GT-D1-MBDLE405-RP20-MAXGAS40-120	194	50	55	140	3/4"	-	-
	MBZRDLE405+KITADAT	GT-D2-MBZRDLE405-RP20-MAXGAS40-120	194	50	55	210	3/4"	-	-
	MBDLE407	GT-D1-MBDLE407-RP25-MAXGAS170-250	194	50	55	140	3/4"	-	-
	MBZRDLE407	GT-D2-MBZRDLE407-RP25-MAXGAS170-250	194	62	55	210	3/4"	-	-
	MBDLE410	GT-D1-MBDLE410-RP30-MAXGAS170-250	218	62	55	160	1"	-	-
	MBZRDLE410	GT-D2-MBZRDLE410-RP30-MAXGAS170-250	223	62	55	260	1"	-	-
	VCS-125 Export	GT-K1-VCS125-RP30-MAXGAS170-250	175	70	72	220	1"	-	-
	VCS-125+FGDR-RP25	GT-K1-VCS125-RP30-MAXGAS170-250	175	70	72	220	1"	105	>100
	VAS-125 Export	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	-	-
	VAS-125+FGDR-RP25	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	105	>100
MAX GAS 250	MBDLE405+KITADAT	GT-D1-MBDLE405-RP20-MAXGAS40-120	194	50	55	140	3/4"	-	-
	MBZRDLE405+KITADAT	GT-D2-MBZRDLE405-RP20-MAXGAS40-120	194	50	55	210	3/4"	-	-
	MBDLE407	GT-D1-MBDLE407-RP25-MAXGAS170-250	194	50	55	140	3/4"	-	-
	MBZRDLE407	GT-D2-MBZRDLE407-RP25-MAXGAS170-250	194	62	55	210	3/4"	-	-
	MBDLE410	GT-D1-MBDLE410-RP30-MAXGAS170-250	218	62	55	160	1"	-	-
	MBZRDLE410	GT-D2-MBZRDLE410-RP30-MAXGAS170-250	223	62	55	260	1"	-	-
	MBDLE412	GT-D1-MBDLE412-RP32-MAXGAS170-250	218	62	55	160	1" 1/4	-	-
	MBZRDLE412	GT-D2-MBZRDLE412-RP32-MAXGAS170-250	223	62	55	260	1" 1/4	-	-
	VCS-125 Export	GT-K1-VCS125-RP30-MAXGAS170-250	175	70	72	220	1"	-	-
	VCS-125+FGDR-RP25	GT-K1-VCS125-RP30-MAXGAS170-250	175	70	72	220	1"	105	>100
	VAS-125 Export single	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	-	-
	VAS-125+FGDR-RP25	GT-K1-VAS125-RP30-MAXGAS170-250	130	70	72	220	1"	105	>100
	VCS-240 Export	GT-K1-VCS240-RP40-MAXGAS170-250	230	82	72	240	1" 1/2	-	-
	VCS-240+FGDR-RP40	GT-K1-VCS240-RP40-MAXGAS170-250	230	82	72	240	1" 1/2	185	>100
	VAS-240 Export single	GT-K1-VAS240-RP40-MAXGAS170-250	160	82	72	240	1" 1/2	-	-
	VAS-240+FGDR-RP40	GT-K1-VAS240-RP40-MAXGAS170-250	160	82	72	240	1" 1/2	185	>100

OVERALL DIMENSIONS | РАЗМЕРЫ | DIMENSIONS | DIMENSIONES

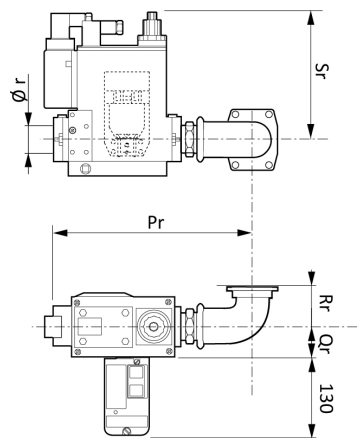
MAX GAS 350 - 500



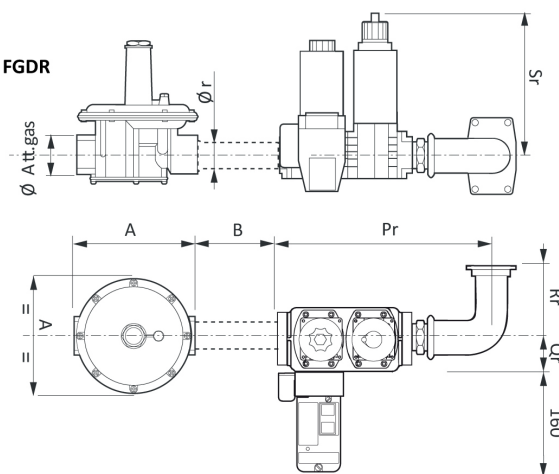
	A	B	C	D	D1	E	F	G	I	L	M	N	O
MAX GAS 350/500 P	485	277	208	175	335	466	157	280	185/200	185/200	M8	62	101
MAX GAS 350/500 PAB	510	302	208	175	335	500	157	280	185/200	185/200	M8	62	101
MAX GAS 350/500 PR	510	302	208	175	335	466	157	280	185/200	185/200	M8	62	101

- D: short head - D: короткая огневая головка - D: tête courte - D: cabeza corta
D1: long head D1: длинная огневая головка D1: tête longue D1: cabeza longa

MultiBloc



VCS + FGDR



	GT Configuration	Designation	Dimension gas train				ϕr	FGDR	
			Pr	Qr	Rr	Sr		A	B
MAX GAS 350	MBDLE407	GT-D2-MBDLE407-RP25-MAXGAS350-500/MULTI	335	50	150	140	3/4"	-	-
	MBDLE410	GT-D2-MBDLE410-RP30-MAXGAS350-500/MULTI	335	55	150	155	1"	-	-
	MBDLE412	GT-D2-MBDLE412-RP32-MAXGAS350-500/MULTI	335	55	150	155	1 1/4"	-	-
	MBDLE415	GT-D2-MBDLE415-RP40-MAXGAS350-500/MULTI	400	55	150	175	1 1/2"	-	-
	VCS-125 Export	GT-K2-VCS125-RP30-MAXGAS350-500/MULTI	310	65	155	215	1"	-	-
	VCS-125+FGDR-RP25	GT-K2-VCS125-RP30-MAXGAS350-500/MULTI	310	65	155	215	1"	105	>100
	VCS-240 Export	GT-K2-VCS240-RP40-MAXGAS350-500/MULTI	310	82	155	240	1 1/2"	-	-
	VCS-240+FGDR-RP40	GT-K2-VCS240-RP40-MAXGAS350-500/MULTI	310	82	155	240	1 1/2"	185	>100
	VCS-350 Export	GT-K2-VCS350-RP50-MAXGAS350-500/MULTI	376	85	155	250	2"	-	-
MAX GAS 500	VCS-350+FGDR-RP50	GT-K2-VCS350-RP50-MAXGAS350-500/MULTI	376	85	155	250	2"	260	>100
	MBDLE407	GT-D2-MBDLE407-RP25-MAXGAS350-500/MULTI	335	50	150	140	3/4"	-	-
	MBDLE410	GT-D2-MBDLE410-RP30-MAXGAS350-500/MULTI	335	55	150	155	1"	-	-
	MBDLE412	GT-D2-MBDLE412-RP32-MAXGAS350-500/MULTI	335	55	150	155	1 1/4"	-	-
	MBDLE415	GT-D2-MBDLE415-RP40-MAXGAS350-500/MULTI	400	55	150	175	1 1/2"	-	-
	VCS-125 Export	GT-K2-VCS125-RP30-MAXGAS350-500/MULTI	310	65	155	215	1"	-	-
	VCS-125+FGDR-RP25	GT-K2-VCS125-RP30-MAXGAS350-500/MULTI	310	65	155	215	1"	105	>100
	VCS-240 Export	GT-K2-VCS240-RP40-MAXGAS350-500/MULTI	310	82	155	240	1 1/2"	-	-
	VCS-240+FGDR-RP40	GT-K2-VCS240-RP40-MAXGAS350-500/MULTI	310	82	155	240	1 1/2"	185	>100
	VCS-350 Export	GT-K2-VCS350-RP50-MAXGAS350-500/MULTI	376	85	155	250	2"	-	-
	VCS-350+FGDR-RP50	GT-K2-VCS350-RP50-MAXGAS350-500/MULTI	376	85	155	250	2"	260	>100