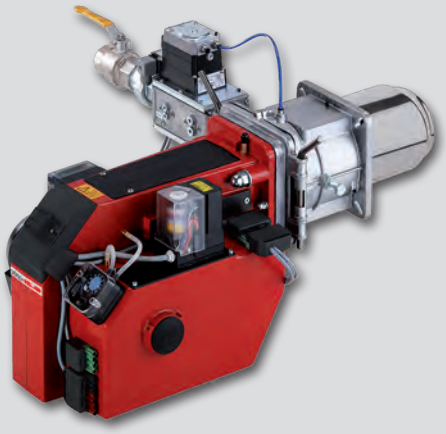
GIERSCH
Enertech Group

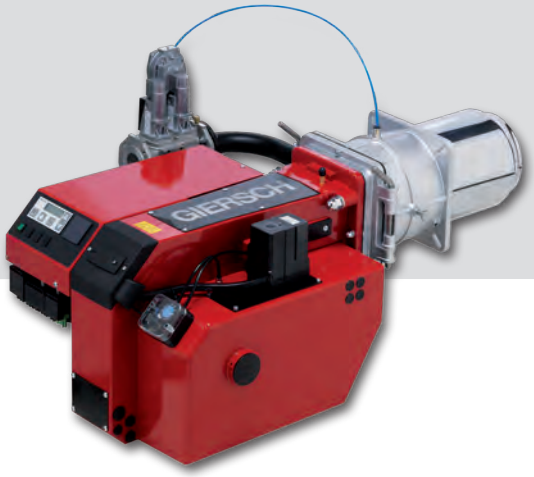
Gas burner

Series RG | GG | MG

Dual fuel burner

Series MK





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Series RG

Fully automatic gas burner, tested and approved in accordance with DIN EN 676 suitable for the combustion of natural gas (-N) and liquid gas (-F) in accordance with DVGW G 260 with electromotively controlled air exclusion (version -L) and low-emission combustion (version -LN).
Equipped for two-stage output control (version -Z) and/or modulating output control (version -M). Burner tube is adjustable to combustion chamber depth. The burner can be mounted both horizontally or vertically.
Burner housing with baseplate and burner hood, integrated sound insulation and sliding flange, AC motor, high-performance fan, mixing device and burner tube, ignition electrode and combination electrode, burner fastening material with flange seals and ball valve.
Burner wired for connection to control unit and ionisation monitoring device, 7-pin connector or 11-pin connector (versions -Z and -M) in accordance with DIN 4791.
Burner is flame tested and pre-set to low output. Complete with compact unit and two fast-opening solenoid valves for single-stage, two-stage or modulating operation, including integrated gas pressure regulator, gas pressure monitor and gas filter.
All components are sealed, mounted and tested. Compact unit and connection elbow for fast assembly provided with connection.
Electrical connection with connectors to IP 54 rating.

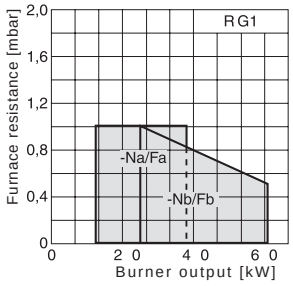
RG1

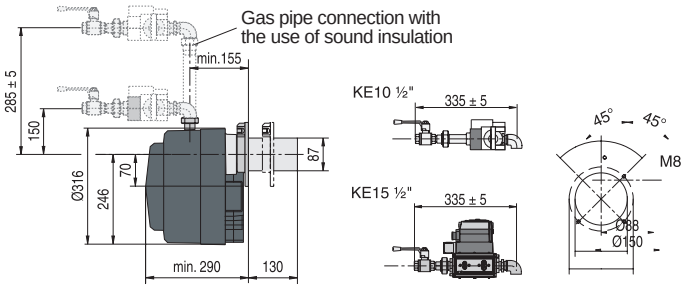
Burner output: **12 - 61 kW**

Mode of operation: single-stage

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

Motor: 90 W





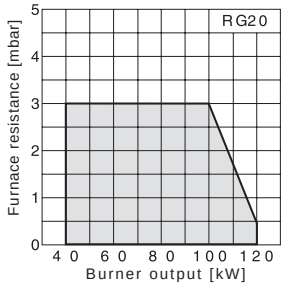
RG20

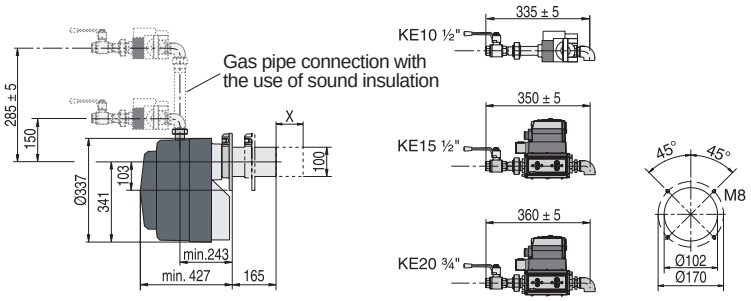
Burner output: **40 - 120 kW**

Mode of operation: single-stage | two-stage gliding | modulating

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

Motor: 180 W





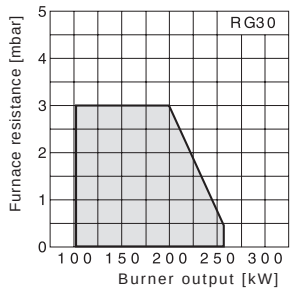
RG30

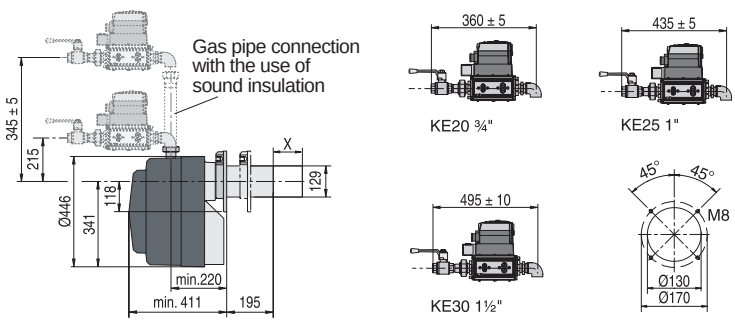
Burner output: **105 - 260 kW**

Mode of operation: single-stage | two-stage gliding

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

Motor: 250 W





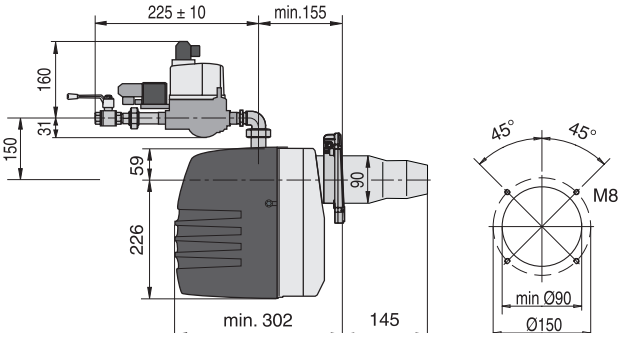
Series GG

GG10-LN | GG20-LN

Fully automatic gas burner, tested and approved in accordance with DIN EN 676 suitable for the combustion of natural gas (-N) and liquefied gas (-F) in low-emission (version -LN) compliant with EN 676 Emission Class 3. Burner can be used horizontally and vertically.
Burner housing with baseplate and burner hood, integrated sound insulation and sliding flange, AC motor, high-performance fan, mixing device and burner tube, ignition transformer with combination electrode, burner fastening material with flange seals and ball valve with integrated TAE.
Burner wired for connection to control unit and ionisation monitoring device, 7-pin connector or 11-pin connector (versions -Z and -M) in accordance with DIN 4791.
Burner is flame tested and pre-set to low output. Burner with compact unit and two fast-opening solenoid value for single-stage, two-stage or modulating operation, including integrated gas pressure monitor, gas pressure monitor and gas filter.
All components are sealed, mounted and tested. Compact unit and connection elbow for fast assembly provided with connection.
Electrical connection with coded connectors approved to IP 54.

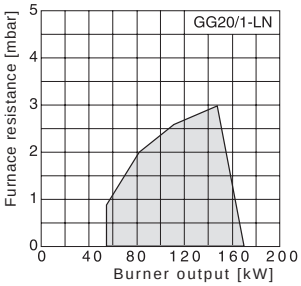
GG10-LN

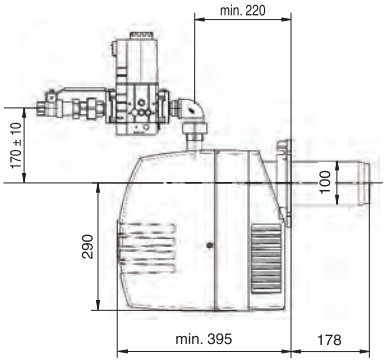
Burner output: **12 - 90 kW**
Mode of operation: single-stage
Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V
Motor: 90 W

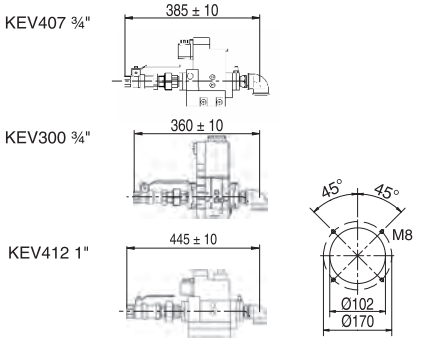


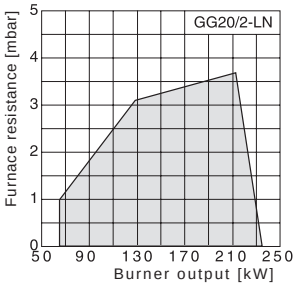
GG20-LN

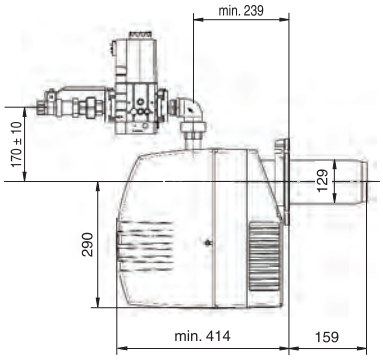
Burner output: **55 - 235 kW**
Mode of operation:
two-stage gliding | modulating
Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V
Motor: 0.18 kW

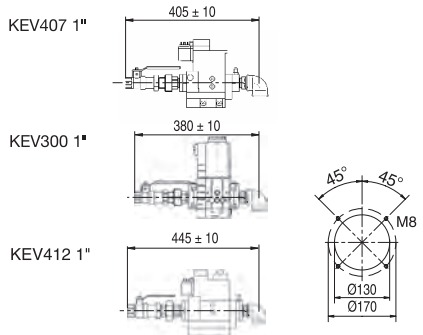






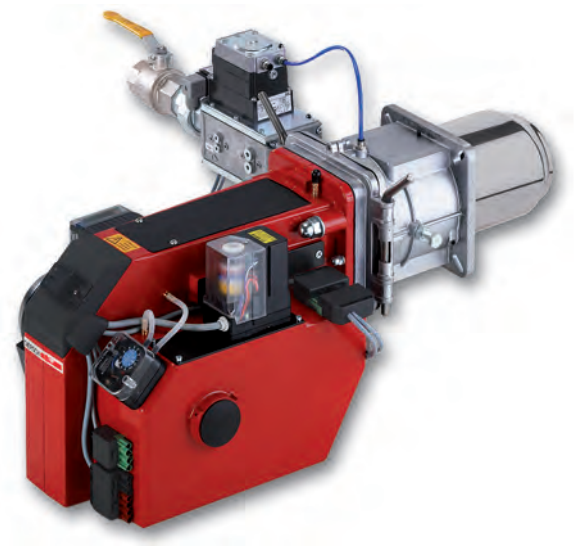






Series MG-LN

MG10-LN | MG20-LN

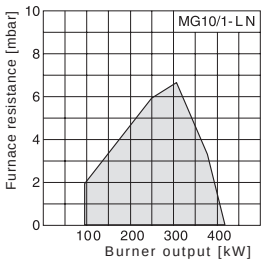


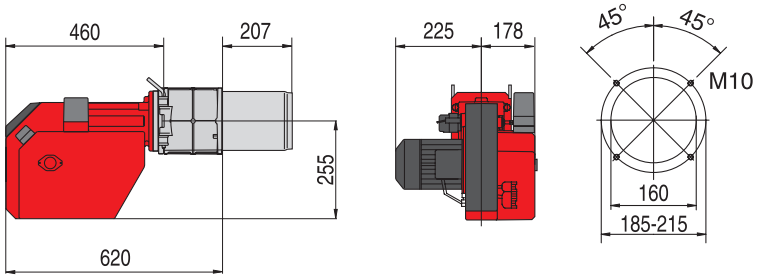
Fully automatic monoblock gas burner, approved in accordance with DIN EN 676.
Depending on the type of output control for two-stage progressive (version -Z), modulating (version -M) or for two-stage progressive and modulating modes of operation (version -ZM). With speed controlled higher-performance fan (version -DZM). Suitable for the combustion of natural gas (version -N) or and liquid gas (version -F) in accordance with DIN EN 437.
Low NOx and C0 combustion in accordance with EN676 emission class 3 (version -LN). Low noise, pressure-stable fan with higher blower compression for a stable start-up.
Burner fan swivels to the left of right for easy access and time-saving servicing, with integrated sound insulation, AC three-phase motor, mixing device, control unit with flame monitor installed in versions -Z or -M, ignition transformer, incl. burner fastening material and flange seal.
In versions -ZM and -DZM with automatic burner control system for intermittent operation to control and monitoring of all burner functions, with integrated leakage check of the gas valves,
Forced shutdown within 24 hours and eBus databus connection and optical monitoring of the air flap drive for guaranteed repetitive accuracy of the set positions of 0.3 degrees.

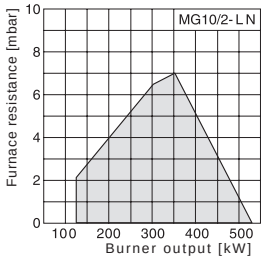
MG10-LN

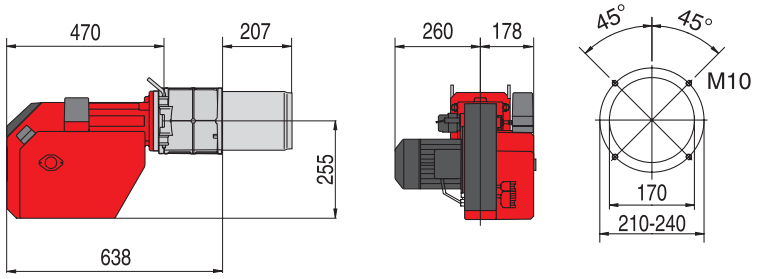
Burner output:
Mode of operation: modulating | two-stage gliding / - modulating | pilot two-stage modulating

95 - 530 kW
Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V
Motor: 0.37 kW / 0.75 kW





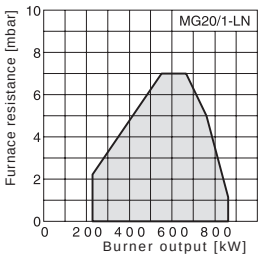


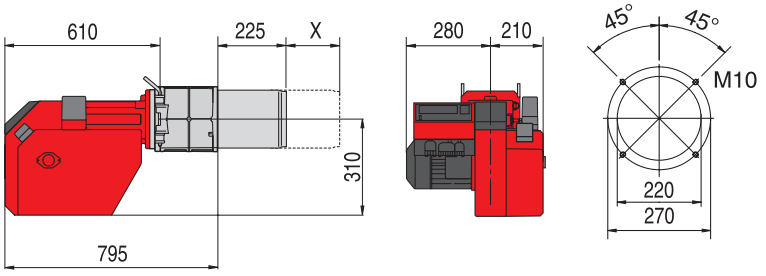


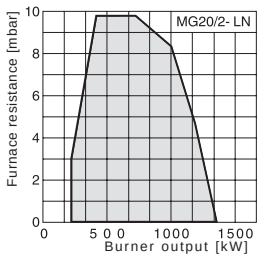
MG20-LN

Burner output:
Mode of operation:
two-stage modulating |
pilot two-stage modulating

225 - 1510 kW
Electrical connection 10 A: 3/N/PE ~ 50 Hz 400 V
Motor: 1.1 kW



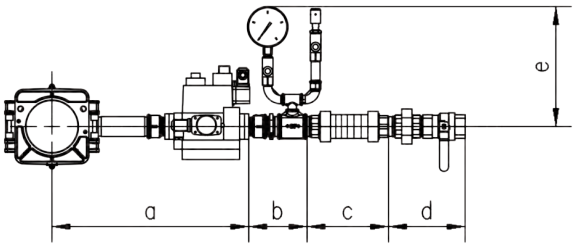




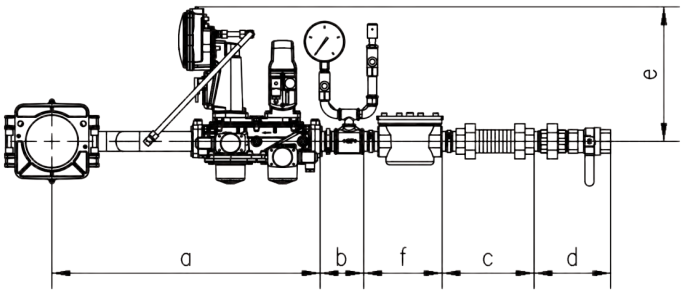
Gas ramps MG10 | MG20

MG10

KEV407 3/4" | KEV300 1" | KEV412 1 1/2"



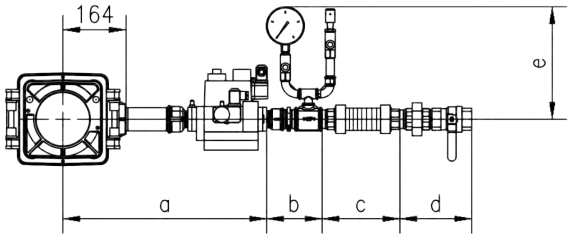
KEV11 1 1/2"



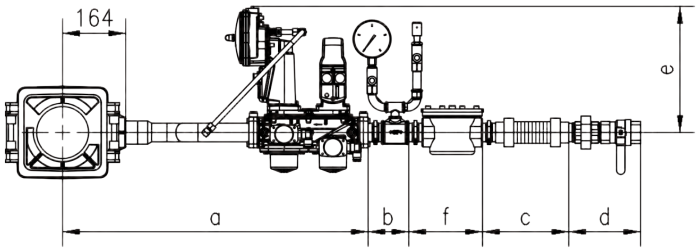
Dimension	KEV407 3/4"	KEV300 1"	KEV412 1 1/2"	KEV11 1 1/2"
	MG10/1 MG10/2	MG10/1 MG10/2	MG10/1 MG10/2	MG10/1 MG10/2
a Compact unit	approx. 390 approx. 420	approx. 375 approx. 405	approx. 485 ca. 515	approx. 655 ca. 685
b Pressure gauge/test burner	approx. 150	approx. 180	approx. 150	approx. 106
c Compensator	approx. 150	approx. 140	approx. 200	approx. 225
d Ball valve	approx. 140	approx. 160	approx. 190	approx. 290
d Ball valve/TAS	approx. 165	approx. 200	approx. 240	approx. 240
e Height	approx. 280	approx. 285	approx. 290	approx. 330
f Gas filter				approx. 190

MG20

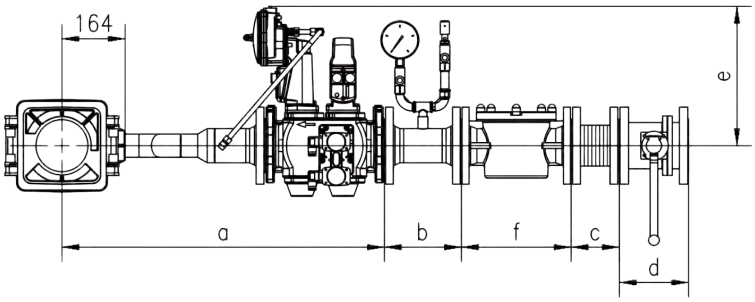
KEV300 1" | KEV412 1 1/2"



KEV2 1/2" | KEV 2"



KEV DN65 | KEV DN80



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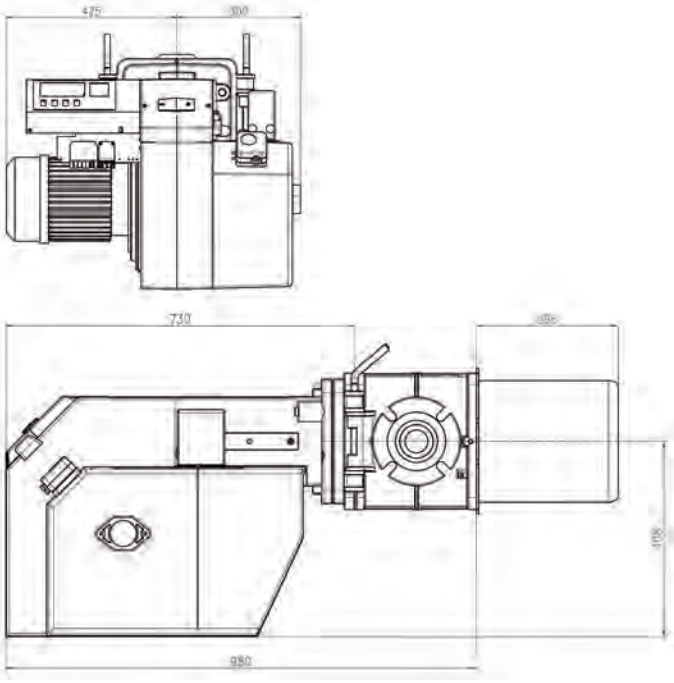
Dimension	KEV300 1"	KEV412 1 1/2"	KEV11 1 1/2"	KEV 2"	KEV DN65	KEV DN80
a Compact unit	approx. 480	approx. 580	approx. 790	approx. 750	approx. 785	approx. 840
b Pressure gauge/test burner	approx. 185	approx. 150	approx. 106	approx. 120	215	200
c Compensator	approx. 150	approx. 200	approx. 225	approx. 250	110	125
d Ball valve	approx. 160	approx. 190	approx. 190	approx. 130	170	180
d Ball valve/TAS	approx. 190	approx. 240	approx. 240	approx. 190	290	310
e Height	approx. 285	approx. 290	approx. 330	approx. 330	approx. 360	approx. 360
f Gas filter			approx. 190	approx. 200	245	285

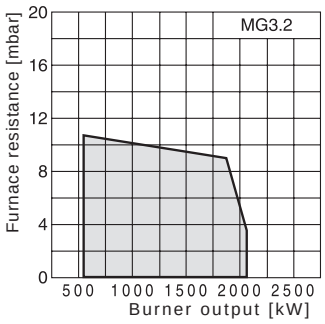
MG3

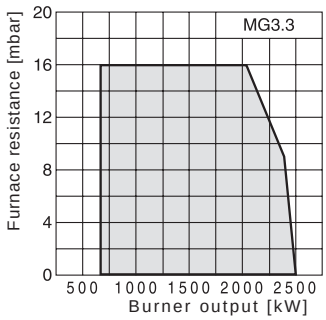


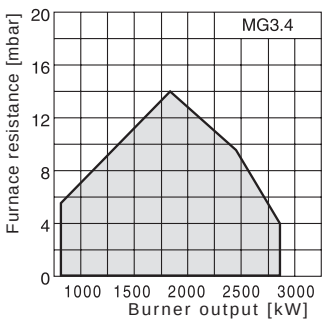
MG3

Burner output:
Mode of operation:
two-stage modulating with motor direct-starter
two-stage modulating with star-delta-starter

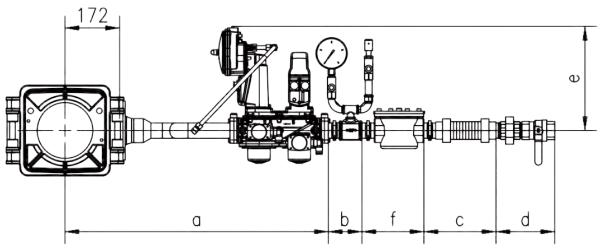
455 - 2800 kW
Electrical connection 10 A: 3/N/PE ~ 50 Hz 400 V
Motor: 4.0 kW

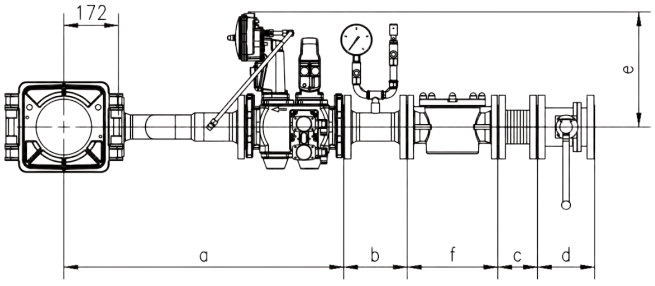






Gas ramps MG3





Dimension	KEV11 1 1/2"	KEV 2"	KEV DN65	KEV DN80	KEV DN100
a Compact unit	approx. 830	approx. 860	770	885	935
b Pressure gauge/test burner	approx. 106	approx. 120	215	200	205
c Compensator	approx. 225	approx. 250	110	125	150
d Ball valve	approx. 190	approx. 130	170	180	190
d Ball valve/TAS	approx. 240	approx. 190	290	310	350
e Height	approx. 330	approx. 330	approx. 360	approx. 360	approx. 380
f Gas filter	approx. 190	approx. 200	245	285	340

Series MK

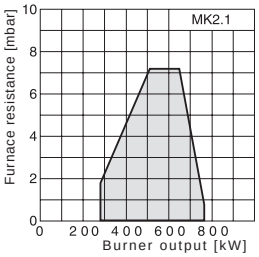
MK2 | MK3

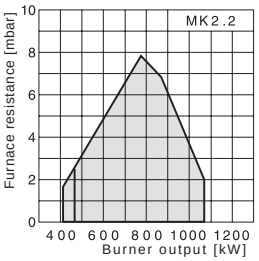
Fully automatic dual-fuel monoblock gas burner, approved in accordance with EN 676 and EN267.
Optional control on the type of output control in oil, for two-stage and, in gas mode, for two-stage progressive and modulating modes of operation. Suitable for burning fuel oil and natural gas (version -N). Burner for liquid gas (version -F) or other gases on request.
Burner with microprocessor-controlled automatic burner control system for intermittent operation to control and monitor all burner functions, forced shutdown within 24 hours eBus databus connection with integrated leakage check of the gas valves.
Remote-control burner selection or manual operation at the burner.
Switchover from modulating to two-stage progressive mode of operation via internal jumper and option of installing a modulating output control directly into the burner control panel.
Burner tested with flame and wired with an 11-pin connector in accordance with DIN 4791. Burner unit with swivel mechanism, three-phase motor, flanged oil pump with coupling or separate oil pump unit, optical monitoring of the air flap drive for guaranteed repetitive accuracy of the set positions of 0.3 degrees.
Gas connection possible on left and right. Incl. seals and burner fastening material.

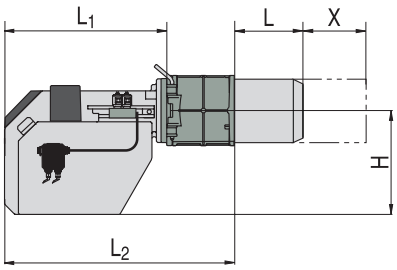
MK2

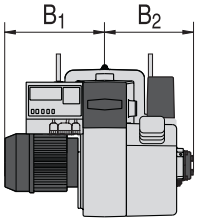
Burner output:
Mode of operation:
two-stage modulating with oil pump at burner
two-stage modulating with sep. oil pump assembly

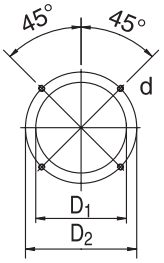
280 - 1070 kW
Electrical connection 20 A: 3/N/PE ~ 50 Hz 400 V
Motor: 1.1 kW







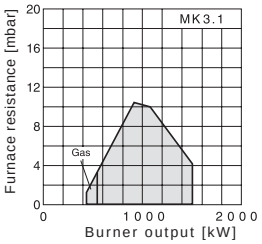


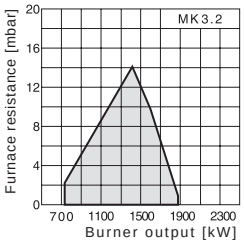


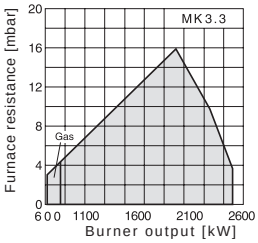
MK3

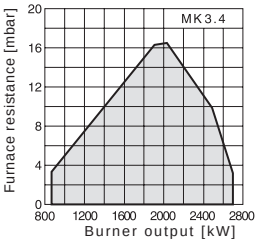
Burner output:
Mode of operation:
two-stage modulating with oil pump at burner
two-stage modulating with sep. oil pump assembly

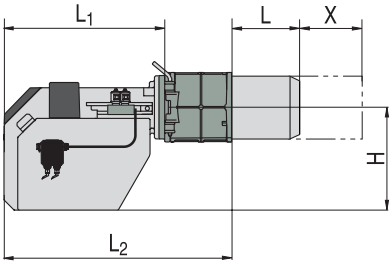
441 - 2705 kW
Electrical connection 20 A: 3/N/PE ~ 50 Hz 400 V
Motor: 3.0 kW

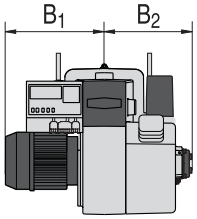


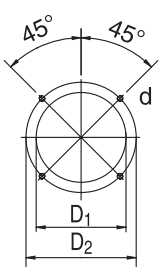












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