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BURNERS, BOOSTERS & SPARES

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Gas Boosters

A range of gas boosters to lift the gas pressure where less than suitable pressure is available.

GB Series	
Description	Part No.
GB3160 3PH DSB ACO VFC M	X18234E
GB3500 3PH DSB ACO VFC M	X18235F
GB3160 Gas Booster 3PH	X18249V
GB3500 Gas Booster 3PH	X18250S
GB3160 Booster 3PMULTI-B	X18252Q
GB3160 Gas Booster 1PH	X18257M
GB3500 Booster 3PMULTI-B	X18258W
GB3160 Booster 1PMULTI-B	X18259X



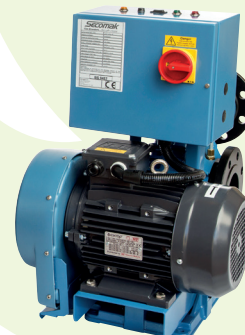
Gas Boosters

Purpose-built centrifugal fan powered by an electric motor, providing a pressure lift to the gas supply where the desired operational pressure cannot be achieved by the installation or gas supply alone. This allows sufficient gas pressure to operate Burners, Boilers and CHP's to operate efficiently and effectively.

The centrifugal design gives high performance from their small physical size, occupying less space whilst providing a lower power consumption than equivalent direct drive boosters.

Built to British Standard 8487: 2007 & 2013. Inverter driven Gas Boosters also available.

SGP Series	
Description	Part No.
SECOMAK Gas Booster 3PH	SGP535-07
535/2 c/w Install Kit	SGP535/03
535/5 c/w Install Kit	SGP535/05
535/9 c/w Install Kit	SGP535/07
540/1+Install Kit+Soft ST	SGP540/02-S
540/2+Install Kit+Soft ST	SGP540/04-S
540/3+Install Kit+Soft ST	SGP540/06-S
576/1 1PH c/w Install Kit	SGP576/04
576/1 3PH c/w Install Kit	SGP576/06





Satronic - Gas & Dual Fuel (Old to New) Chart

Burner Controllers

Old Type Mod. No.	Model	New Type Mod. No.	Model
MMI 811	35	MMI 811.1	35
		DMG 971	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 811	63	MMI 811.1	63
		DMG 971	3
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 812	23	MMI 812.1	23
		DMG 972	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 812.1	23	MMI 962.1	23
		DMG 972	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 812	33	MMI 812.1	23
		DMG 972	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 812	33 110V	MMI 962.1	33 110V
MMI 812.1	33 110V	MMI 962.1	33 110V
MMI 812	63	MMI 812.1	23
			Shorter pre-purger
		DMG 973	2
			Rewire air proving switch from term 5/7 to term. 4/7, shorter timings
MMI 813	23	MMI 813.1	23
		DMG 973	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 816		MMI 816.1	
MMI 815	5	MMI 815.1	5
			Repeating
MMI 815	10	MMI 815.1	10
			Repeating
MMG 810	32	MMG 810.1	32
		DMG 970	01*
			Rewire air proving switch from term 5/7 to terminal 4/7, ts 3 sec.
MMG 810	33	MMG 810.1	33
		DMG 970	01*
			Rewire air proving switch from term 5/7 to terminal 4/7
MMG 810	43	MMG 810.1	43
		DMG 971	03*
			Rewire air proving switch from term 5/7 to terminal 4/7
MMG 811	63	MMG 811.1	63
		DMG 971	03*
			Rewire air proving switch from term 5/7 to terminal 4/7
MMG 811	33	MMG 811.1	33
		DMG 970	01*
			Rewire air proving switch from term 5/7 to terminal 4/7
MMG 811	63F	MMG 811.1	63
		DMG 971	03*
			Rewire air proving switch from term 5/7 to terminal 4/7
MMG 816		MMG 816.1	*
			Must not be used with UVZ 780
MMG 816F		MMG 816.1	*
			Must not be used with UVZ 780
MMG 870	45	MMG 870.1	65
MMG 870	65	MMG 870.1	65

Burner Controllers

Old Type Mod. No.	Model	New Type Mod. No.	Model
IBR 661		TME 780	New wiring inc/. new base mandatory, change flame detector (rep:UVZE)
		TMG 740-3	New wiring inc/. new base mandatory, change flame detector (rep:UVZ 780)
GBR 681		DMG 970	1
			New wiring inc/. new base mandatory
GBR 681/74		DMG 970	1
			New wiring inc/. new base mandatory
TTI 790		MMI 810.1	Fail-safe air pressure switch supervision link between terminal 1 & 9 needed
TMG 720		TMG 740-3	5
			Check for correct UV/Ion switch setting
TTG 760		MMG 810.1	
TFI 712F-1/TFI 712F/TFI 812	5	TFI 812.2	5
			Long pre-ignition
		TFI 812.2	5
			Without pre-ignition
		DKG 972	5
			Short pre-ignition
TFI 712-1/TFI 712/TFI 812	10	TFI 812.2	10
			Long pre-ignition
		TFI 812.2	10
			Without pre-ignition
		DKG 972	10
			Short pre-ignition
MMI 810	13	MMI 810.1	13
MMI 810	15	MMI 810.1	13
			Safety time 3 sec
MMI 810	32	MMI 810.1	33
			Safety time 3 sec
		DMG 970	1
			Rewire air proving switch from term 5/7 to terminal 4/7, ts 3 sec
MMI 810	33	MMI 810.1	33
		DMG 970	1
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 810	33 110V	MMI 810.1	33 110V
MMI 810	35	MMI 810.1	35
		DMG 970	2
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 810	40-34	MMI 810.1	40-34
MMI 810	43	MMI 810.1	43
		DMG 970	3
			Rewire air proving switch from term 5/7 to terminal 4/7
MMI 810/MMI 810.1	45 45	MMI 810.1	43
			Safety time 5 sec
		DMG 970	3
			Rewire air proving switch from term 5/7 to terminal 4/7, ts 3 sec
MMI 810	55	MMI 810.1	55
			Safety time 5 sec
MMI 810	310	MMI 810.1	35
			Safety time 5 sec
		DMG 970	2
			Rewire air proving switch from term 5/7 to terminal 4/7, ts 3 sec



Gas Burners

These burners are available for use on natural gas, LPG, towns gas and biogas with single stage on/off, two stage high/low or modulating operation. They are typically suited for commercial hot water boiler systems and steam boiler systems.

Features and Benefits

- Quick and easy installation
- Reliable and trouble free operation
- Industry standard components available
- Most components can be easily accessed allowing for easy maintenance

MGN Series

Description	Part No.
MGN860 LN T3S 225 Burner	26-36-42013-332
MGN860 LN T3S 325 Burner	26-36-42014-332
MGN1350LN T3S 225 Burner	26-36-42053-332
MGN1350LN T3S 325 Burner	26-36-42054-332
MGN1550LN T3D 250 Burner	26-36-43238-33
MGN2000LN T3D 250SD Burner	26-36-43239-33
MGN1550LN T3D 450 Burner	26-36-43241-33
MGN2000LN T3D 450SD Burner	26-36-43242-33
MGN190 S1L 125 NAT GAS-ON/OFF-1 PH/50HZ	710000171520
MGN190 S1L 225 NAT GAS-ON/OFF-1 PH/50HZ	710000571520
MGN190 T1L 125 NAT GAS-HIGH/LOW-1 PH/50HZ	720000172520
MGN190 T1L 225 NAT GAS-HIGH/LOW-1 PH/50HZ	720001172520
MGN320 S1L 155 NAT GAS-ON/OFF-1 PH/50HZ	730000273520
MGN320 S1L 255 NAT GAS-ON/OFF-1 PH/50HZ	730001073520
MGN320 T1L 155 NAT GAS-HIGH/LOW-1 PH/50HZ	740000274520
MGN320 T1L 255 NAT GAS-HIGH/LOW-1 PH/50HZ	740000474520

Dual Fuel Burners

Dual fuel burners are most commonly used if the fuel source is intermittent. By having both gas and oil fuel options available, it ensures the downtime of the boiler is limited.

MDF Series dual fuel burners are suitable for use with natural gas, LPG, town gas, biogas and light oil. They can operate effectively with Two stage high/low gas and oil or fully modulating gas and oil operation.

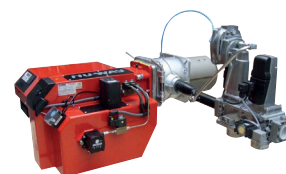
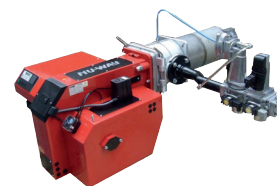
Features and Benefits

- Quick and easy installation
- Reliable and trouble free operation
- Industry standard components available
- Most components can be easily accessed allowing for easy maintenance

MDF Series

Description	Part No.
MDFL1510 T3D 296SD Burner	27-36-43501-33
MDFL1510 T3D 496SD Burner	27-36-43505-33
MDFL760 T3D 230 Burner	27-36-43551-332
MDFL1070 T3D 230 Burner	27-36-43552-332
MDFL760 T3D 330 Burner	27-36-43553-332
MDFL1070 T3D 330 Burner	27-36-43554-332

Full range of Nu-Way burners available. Sterling, 'M' + 'N' Series Oil & Gas - Contact us for full details.



Gas Burners

RS Series

Description	Part No.
RS34 MZ TC H/L GAS B 412	3789010-0231
RS34 MZ TC H/L GAS 415	3789010-0232
RS34 MZ H/L GAS BURN 420	3789010-0233
RS34 MZ TL 1PH GAS MB412	3789011.0231
RS44 MZ 1PH GAS B 412	3789110-0231
RS44 MZ 1PH GAS MB415	3789110-0232
RS44 MZ 1PH GAS B/R 420	3789110-0233
RS44 MZ 3PH GAS B/R 412	3789140-0231
RS44 MZ 3PH GAS B/R 415	3789140-0232
RS44 MZ 3PH GAS B/R 420	3789140-0233
RS130M C/W 65MM MBC1900	3789811.0222

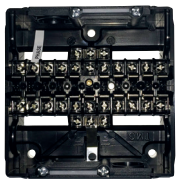
Oil Burners

RL Series

Description	Part No.
RL34.1 OIL BURNER	3470510
RL44 MZ TC 1PH OIL BURNER	3470710
RL44 MZ TC 3PH OIL BURNER	3470740
RL70 TC 3PH OIL BURNER	3471712
RL100 TC 3PH OIL BURNER	3471812
RL130 TC 3PH OIL BURNER	3471912

RIELLO





Gas Air Differential Pressure Switches

Cast Iron Valves

Range (mbar)	Difference (mbar)	MOPD (mbar)	Part No.
0.3 - 3.0	0.3 - 0.5	100	C6045D 1043
1.0 - 10.0	0.5 - 1.5	100	C6045D 1050
5.0 - 50.0	1.2 - 2.5	200	C6045D 1019
15.0 - 150.0	3.5 - 10.5	300	C6045D 1027

On Off Pressure Switches

Cast Iron Valves

Range (mbar)	Difference (mbar)	MOPD (mbar)	Part No.
2.0 - 15.0	2.0 - 6.0	25	L404F 1219
2.0 - 50.0	6.0 - 14.0	85	L404F 1243
10.0 - 150.0	10.0 - 22.0	225	L404F 1227
20.0 - 300.0	20.0 - 50.0	350	L404F 1235

Atmospheric Gas Burner Boxes

TFI Series 110V

Detection Method	Pre-purge (sec)	Lockout Time (sec)	Internal 1st to 2nd Valve Time (sec)	Part No.
IRD 1020 or Flame	5s	5s	15s	DKG972 MOD 5
Probe	10s	5s	15s	DKG972 MOD 10

Blown Gas Burner Boxes

MMI Series 230V

Detection Method	Pre-purge (sec)	Lockout Time (sec)	Internal 1st to 2nd Valve Time (sec)	Part No.
IRD 1020 or UVD 971	30s	3s	12s	MMI 810.1 MOD40-34
	34s	5s	10s	MMI 810.1 MOD 35

Blown Gas Burner with Air Damper Control

MMG Series 962.1 Mod 23

Detection Method	Pre-purge (sec)	Lockout Time (sec)	Internal 1st to 2nd Valve Time (sec)	Part No.
UVZ 780 Red	40s	3s	10s	MMG 810.1 MOD 43
	65s - 67s	5s	10s	MMG 810.1 MOD 43

Blown Gas Burner with Air Damper Control

TMG Series

Detection Method	Pre-purge (sec)	Lockout Time (sec)	Internal 1st to 2nd Valve Time (sec)	Part No.
UVZ 780 Blue	40s	15s	10s	TMG 740/3 MOD 43-35240
UVZ 780 Red	40s	3s	6s	TMG 740/3 MOD 43-35110

Flame Detection Probes

UVZ & UVD Series

Description	For	Part No.
UV detector	TMG 740-3 & SGU	UVZ 780 BLUE
	TTG 760-1 & MMG 810	UVZ 780 RED

Control Box Bases

Wiring Bases

Description	For	Part No.
Wiring base	TMG control boxes	S720-G
Universal wiring base	TF800, DK0970, MMO.872 TFI 800, MMI/MMG 810 & DKW control boxes	S98

Ignition Transformers

ZT Series

Type	Voltage	Cable Length (M)	Part No.
Ignition transformer	230V	1.5	ZT 812-1.5M
	110V	1.0	ZT 815

Gas Pressure Switches

Switches	
Description	Part No.
A4 Pressure switch	LGW 10
A4 Pressure switch	LGW 50
A4 Pressure switch	LGW 150

DUNGS®
Combustion Controls



Thermocouples

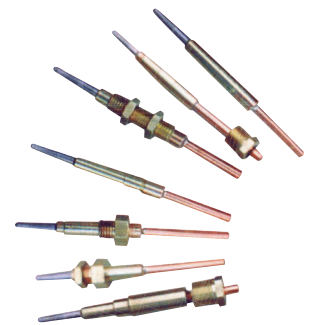
Series 7000 - Universal thermocouples including fittings pack

Features

- High Quality Universal, specific duty and replacement type thermocouples
- Normal working temp. range 400 to 600°C. Max. operating temp. 1000°C
- Drop out time typically 30 to 40 seconds

7000 Series - Universal Thermocouples		
Type	Size (mm)	Part No.
Ext. life	24" (600mm)	7000/EL/600MM
	36" (900mm)	7000/EL/900MM
	48" (1200mm)	7000/EL/1200MM
	72" (1800mm)	7000/EL/1800MM
Ext. life for LPG with interrupter	36" (900mm)	7000/EL/900MMA
	36" (900mm)	7001/S/900MM
Long life	36" (900mm)	7002/900MM
	36" (900mm)	7003/900MM
Super Universal	48" (1200mm)	7003/1200MM
	36" (900mm)	7003/900PLUS
Gas Fire Universal	36" (900mm)	7004/900MM

**BLACK /
TEKNIGAS**
A Company of Watts Industries Europe B.V.



Automatic Air Vent

Automatic air vent for use with sealed heating systems.

Features and Benefits

- Automatically vents trapped air from within a sealed heating system.
- Saves time and cost when commissioning new heating systems.
- Solid brass construction and heat resistant polypropylene float give long life and dependability.
- Available in 3/8" and 1/2" connections.
- Reduces call backs to rectify air locks, saving time and money.

Air Vent	
Description	Part No.
3/8" Automatic air vent	AVEN 100 001
1/2" Automatic air vent	AVEN 100 005

RWC
RELIANCE WORLDWIDE CORPORATION
www.rwc.com



Filling Loops

Filling loops for charging sealed heating systems via temporary connection to the mains supply.

Features

- 1/8" BSP test port on isolating double check valve.
- 15mm compression connections.
- Class 3 contamination risks.
- Ball valve with lever for easy operation.
- Thumb-grip nuts on hose to allow quick connection/disconnection to mains supply.
- Conforms to Water Supply Regulations (1999)

Filmaster Filling Loop	
Description	Part No.
15mm dual isolator c/w check valve	FIBV 246 208
1/2" Filling loop sealing cap and tag	BCAP 246 200

