



FIRE FIGHTING PUMPS

End Suction



20 YEARS
OF EXCELLENCE
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WE AIM TO MAKE THE WORLD A SAFER PLACE



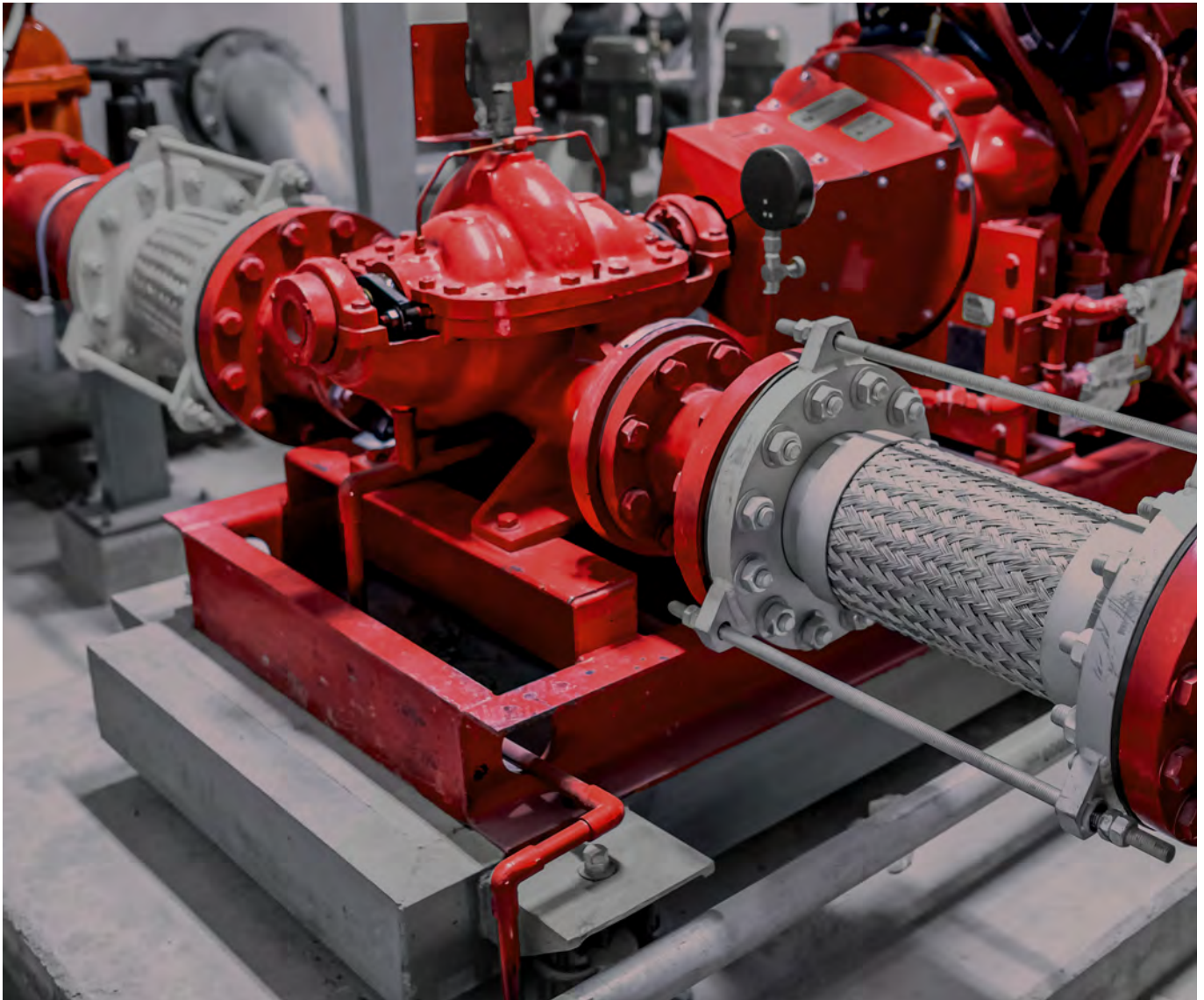
THE CORNER STONE TO BUILDING THE FUTURE

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO), LIFECO has been a global leader in supplying products covering the full range for fire detection, prevention, extinguishing and suppression system. LIFECO, with its world headquarters located in United Kingdom and is well poised to serve a variety of International markets in addition to fulfilling the local market demand.

LIFECO serves Civil Defence, Industrial and Commercial markets with its wide range of quality and innovative products. LIFECO is represented globally with its well knit National and International infrastructure of distributors. The Company's strengths are underpinned by a highly skilled workforce, and a diverse range of quality products and services that aims to provide a 'one stop shop' to satisfy all of our Customers Fire and Life Safety requirements.



Fire Fighting Pumps



LIFECO pumps undergoes required inspection, tests and production control during the assembly process and records are logged for the same, before being delivered to our customers. Each pump produced, undergoes performance testings as follows:

a) OPERATION TEST

Performance curves are plotted showing the Efficiency, Brake-Horsepower (kW), and Total Head developed at shutoff, at rated capacity, at 150 percent of rated capacity, and at selected intermediate capacities between shutoff and maximum capacities exceeding 150% of rated capacity.

b) HYDROSTATIC TEST

Each pump is tested hydrostatically for not less than 5 minutes. The test pressure is to be upto 2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa) to ensure no rupture or leakage through the castings at the test pressure.

c) IMPELLER BALANCING

The impellers of each pump are dynamically balanced to the G6.3 balance quality grade in accordance with the requirements for pump impellers in the Standard for Mechanical Vibration – Balance Quality

End Suction Fire Pumps



50/60 HZ



CAPACITY : 50 GPM to 1000 GPM
 PRESSURES : 68 TO 216 PSI
 MAX WORKING PRESSURE : 225 TO 250 PSI
 SPEED : 2900, 3000, AND 3500 RPM

- Top Centerline Discharge
- Foot Supported Casing
- Back Pullout Design
- Self-venting Design
- Efficiently Designed Shaft
- Frame-Mounted Design
- Small Footprint Ideal for Retrofit
- Heavy Duty with Heavy Wall Thickness
- 100% Hydrostatic & Performance Tested
- Back Pump Out Vanes

Model Dsg.	Rated Capacity (GPM)	Size (in.)	Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)	
GME - 50- 20 EM - 2G	50	2.5X2	74-93	2900	180	
GME - 50- 20 EM - 2G		2.5X2	79-99	3000	180	
GME 50- 20 EM		2 x 1-1/ 4	68-87	2900	180	
GME 50- 20 EH		2 x 1-1/ 4	101-129	3500	230	
GME 50- 26 EM		2 x 1-1/ 4	115-140	2900	230	
GME 50- 26 EH		2 x 1-1/ 4	163-206	3500	230	
GME 50- 20 EH A		2-1/ 2 x 2	106-129	3500	230	
GME 50- 20 EH B		3 x 2-1/ 2	108-121	3500	230	
GME 50- 26 EM A		2-1/ 2 x 1-1/ 2	114-136	2900	230	
GME 50- 42 EH		2-1/ 2 x 1-1/ 2	122-146	3000	230	
GME 50- 40 EH		2-1/ 2 x 1-1/ 2	166-198	3500	230	
GME - 100- 20 EM - 2G		100	2.5X2	72-92	2900	180
GME - 100- 20 EM - 2G	2.5X2		77-98	3000	180	
GME 100- 20 EH	2 x 1-1/ 4		119	3500	230	
GME 100- 26 EH	2 x 1-1/ 4		159-195	3500	230	
GME 100- 50 EH	2-1/ 2 x 2		104-128	3500	230	
GME 100- 26 EM	2-1/ 2 x 1-1/ 2		109-134	2900	230	
GME 100- 42 EH	2-1/ 2 x 1-1/ 2		116-143	3000	230	
GME 100- 40 EH	2-1/ 2 x 1-1/ 2		162-198	3500	230	
GME 100- 20 EH B	3 x 2-1/ 2		108-24	3500	230	
GME - 150- 32 EM - 2G	150		3X2	95-142	2900	239
GME - 150- 32 EM - 2G			3X2	102-153	3000	239
GME - 150- 20 EM - 2G			2.5X2	71-90	2900	180
GME - 150- 20 EM - 2G		2.5X2	76-97	3000	180	
GME - 150- 65 EM - 2G		3X2.5	80-93	2900	180	
GME - 150- 65 EM - 2G		3X2.5	86-99	3000	180	
GME 150- 20 EH		3 x 2-1/ 2	108-128	3500	230	
GME 150- 26 EM		2-1/ 2 x 1-1/ 2	124	2900	230	
GME 150- 42 EH		2-1/ 2 x 1-1/ 2	107-135	3000	230	
GME 150- 26 EH		2-1/ 2 x 1-1/ 2	156-191	3500	230	
GME 150- 20 EH A		2-1/ 2 x 2	102-126	3500	230	
GME - 200- 32 EM - 2G		200	3X2	89-139	2900	239
GME - 200- 32 EM - 2G	3X2		96-149	3000	239	
GME - 200- 65 EM - 2G	3X2.5		79-91	2900	180	
GME - 200- 65 EM - 2G	3X2.5		85-98	3000	180	
GME 200- 20 EH	50		96-120	3500	230	
GME 200- 20 EH A	2-1/ 2 x 2		96-120	3500	230	
GME 200- 65 EM	65		115-136	2900	230	
GME - 250- 32 EM - 2G	250		3X2	82-132	2900	239
GME - 250- 32 EM - 2G			3X2	89-143	3000	239
GME - 250- 42 EM - 2G			4X2.5	87-146	2900	239
GME - 250- 42 EM - 2G			4X2.5	94-156	3000	239
GME - 250- 65 EM - 2G			3X2.5	77-90	2900	180
GME - 250- 65 EM - 2G		3X2.5	83-97	3000	180	
GME 250- 26 EM		3 x 2-1/ 2	113-134	2900	230	
GME 250- 20 EH		3 x 2-1/ 2	103-124	3500	230	

Wide Range of Flows and Pressures Available in ELECTRIC MOTOR and DIESEL ENGINE Driven Configuration Suitable for Commercial, Industrial and Buildings Applications.

Model Dsg.	Rated Capacity (GPM)	Size (in.)	Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)	
GME - 300- 42 EM - 2G	300	4X2.5	85-143	2900	239	
GME - 300- 42 EM - 2G		4X2.5	91-154	3000	239	
GME - 300- 65 EM - 2G		3X2.5	75-90	2900	180	
GME - 300- 65 EM - 2G		3X2.5	81-96	3000	180	
GME 300- 26 EM		3 x 2-1/ 2	110-132	2900	230	
GME 300- 20 EH		3 x 2-1/ 2	101-123	3500	230	
GME - 400- 31 EM - 2G	400	5X3	134-218	2900	315	
GME - 400- 31 EM - 2G		5X3	143-234	3000	315	
GME - 400- 25 EM - 2G		5X3	86-139	2900	235	
GME - 400- 25 EM - 2G		5X3	93-149	3000	235	
GME - 400- 54 EM - 2G		5X4	137-215	2900	315	
GME - 400- 54 EM - 2G		5X4	147-230	3000	315	
GME - 400- 42 EM - 2G		4X2.5	79-141	2900	239	
GME - 400- 42 EM - 2G		4X2.5	86-151	3000	239	
GME 400- 26 EM		4 x 3	110-133	2900	230	
GME 400- 26 EH		4 x 3	191	3500	240	
GME 400- 32 EM		4 x 3	158-200	2900	250	
GME 400- 80 EH		4 x 3	105 -193	3500	235	
GME - 450- 31 EM - 2G		450	5X3	131-217	2900	315
GME - 450- 31 EM - 2G			5X3	141-232	3000	315
GME - 450- 25 EM - 2G	5X3		85-138	2900	235	
GME - 450- 25 EM - 2G	5X3		91-148	3000	235	
GME - 450- 54 EM - 2G	5X4		136-214	2900	315	
GME - 450- 54 EM - 2G	5X4		146-229	3000	315	
GME - 450- 42 EM - 2G	4X2.5		78-137	2900	239	
GME - 450- 42 EM - 2G	4X2.5		84-148	3000	239	
GME 450- 26 EM	4 x 3		109-132	2900	230	
GME 450- 26 EH	4 x 3		188	3500	240	
GME 450- 32 EM	4 x 3		154-198	2900	250	
GME 450- 80 EH	4 x 3		102 -190	3500	235	
GME - 500- 31 EM - 2G	500		5X3	129-217	2900	315
GME - 500- 31 EM - 2G			5X3	139-232	3000	315
GME - 500- 25 EM - 2G		5X3	83-136	2900	235	
GME - 500- 25 EM - 2G		5X3	90-146	3000	235	
GME - 500- 54 EM - 2G		5X4	136-214	2900	315	
GME - 500- 54 EM - 2G		5X4	146-229	3000	315	
GME - 500- 42 EM - 2G		4X2.5	143	3000	239	
GME - 500- 20 EM - 2G		6X5	68-84	2900	175	
GME - 500- 20 EM - 2G		6X5	73-90	3000	175	
GME - 500- 20 EH - 2G		6X5	100-121	3500	210	
GME - 500- 20 EH - 2G		6X5	105-128	3600	210	
GME - 500- 26 EM - 2G		6X5	118-136	2900	230	
GME - 500- 26 EM - 2G		6X5	126-146	3000	230	
GME - 500- 26 EH - 2G		6X5	168-199	3500	290	
GME - 500- 26 EH - 2G		6X5	178-210	3600	290	
GME 500- 26 EM		4 x 3	108-131	2900	230	
GME 500- 26 EH		4 x 3	185	3500	240	
GME 500- 32 EM		4 x 3	149-194	2900	250	
GME 500- 80 EH		4 x 3	99 - 188	3500	235	
GME 500- 12 EM		5 x 4	111- 133	2900	225	
GME 500- 13 EM		5 x 4	122 - 210	2900	245	
GME 750- 26 EM		750	5 x 4	102 - 127	2900	225
GME 750- 32 EM			5 x 4	122 - 207	2900	245
GME - 750- 54 EM - 2G			5X4	131-208	2900	315
GME - 750- 54 EM - 2G	5X4		141-223	3000	315	
GME - 750- 20 EM - 2G	6X5		65-81	2900	175	
GME - 750- 20 EM - 2G	6X5		70-87	3000	175	
GME - 750- 20 EH - 2G	6X5		97-120	3500	210	
GME - 750- 20 EH - 2G	6X5		103-127	3600	210	
GME - 750- 26 EM - 2G	6X5		116-135	2900	230	
GME - 750- 26 EM - 2G	6X5		125-145	3000	230	
GME - 750- 26 EH - 2G	6X5		167-198	3500	290	
GME - 750- 26 EH - 2G	6X5		177-210	3600	290	
GME - 1000- 54 EM - 2G	1000		5X4	122-200	2900	315
GME - 1000- 54 EM - 2G			5X4	132-215	3000	239
GME - 1000- 20 EM - 2G			6X5	60-78	2900	175
GME - 1000- 20 EM - 2G			6X5	65-84	3000	175
GME - 1000- 20 EH - 2G			6X5	92-116	3500	210
GME - 1000- 20 EH - 2G			6X5	98-123	3600	210
GME - 1000- 26 EM - 2G		6X5	113-133	2900	230	
GME - 1000- 26 EM - 2G		6X5	121-143	3000	230	
GME - 1000- 26 EH - 2G		6X5	164-196	3500	290	
GME - 1000- 26 EH - 2G		6X5	174-208	3600	290	

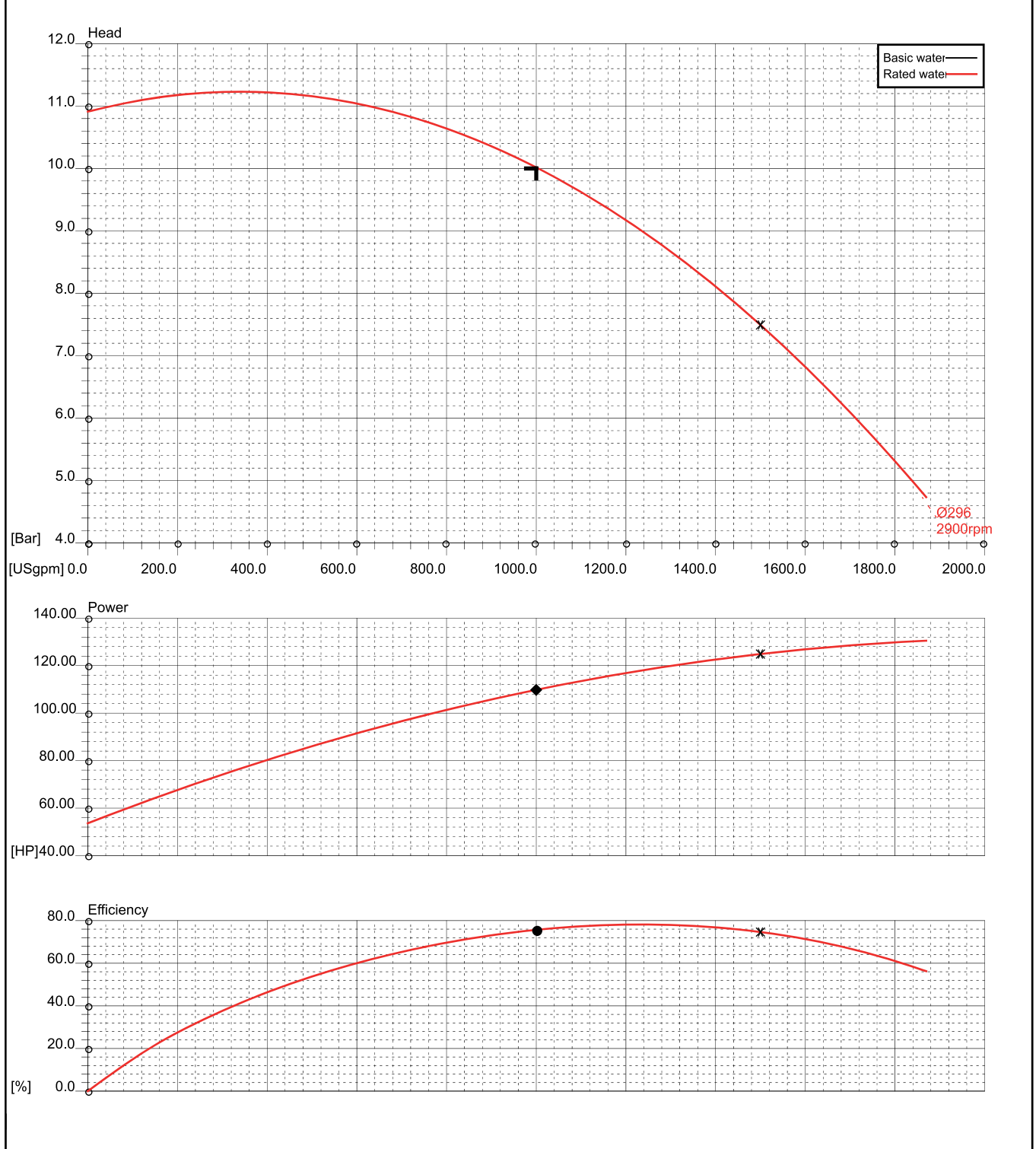
Notes

- All Pumps are Hydrostatically Tested to minimum of 150 % of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
- All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
- All Pumps are horizontal single stage Pumps.
- *The rated speed marked on the pump can vary within +/- 4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers.*

Sample Fire Pump Performance Curves

End Suction Fire Pump
PUMP MODEL: GME 1000-54EM-2G

General data					
Impeller type Closed	Selected Ø 296 [mm]	Max. diameter 342 [mm]	Min. diameter 274 [mm]	Speed 2900 [rpm]	Stages number 1
Operating data					
Duty flow 1000.0 [USgpm]	Dutymanometrichead 10.0 [Bar]	Efficiency 75.7 [%]	Power on shaft 109.80 [HP]	NS 24	
Density 1.000 [kg/dm³]	Kinematic viscosity 1.0 [cSt]	Viscosity coeff. Cq 1.00	Viscosity coeff. Ch 1.00	Viscosity coeff. Cη 1.00	Fluid Water



**LIFECO reserves the right, at its discretion, to change, modify, add or remove details/content at any time without prior notice.



LICHFIELD FIRE & SAFETY EQUIPMENT CO.LTD.

Unit 8, Calibre Industrial Park, Laches Close, Four Ashes,
Wolverhampton, WV10 7DZ, United Kingdom
T +44 1902 798 706 F +44 1902 798 679 E sales@lifeco-uk.com
www.lifeco-uk.com

