



SHIELD LUBRICATORS

AGL All-in-One Lubrication System

FLEXIBLE USE – EVEN ON LUBRICATION POINTS WITH CHALLENGING REQUIREMENTS

Shield AGL is a compact, ready-to-use lubrication system supplied as a complete unit, providing clean and consistent lubrication to your equipment at the correct time.



Shield AGL can be used in various types of applications, including fin fans, electric motors, pumps and blowers, at temperatures ranging from -20°C to +60°C (-4°F to +140°F). The lubrication point is continuously supplied with fresh lubricant throughout the discharge period, which is adjustable from 1 to 12 months. During that time, an electronically controlled chemical reaction creates the required pressure to provide lubricant to keep your equipment running. Shield AGL is available in two sizes: 60 cc (2.03 oz) and 125 cc (4.23 oz).

APPLICATIONS / MACHINE ELEMENTS

Shield AGL is suitable for single-point grease or oil lubrication in all types of applications, including fin fans, electric motors, pumps and blowers. It fulfills the requirements of IP 68 (ingress of water/contamination) and functions reliably in extremely dusty and moist environments.

Its robust design can be used at various temperatures, both indoors and outdoors. Discharge can be adjusted after activation or even suspended if required.




 II 1G Ex ia IIC T6
 II 1D Ex iaD 20 T85°C
 I M1 Ex ia I







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PRODUCT CHARACTERISTICS

All-in-one system with rotary switch for discharge period setting:
1, 2, 3 ... 12 months

System operates reliably from
-20°C to +60°C (-4°F to 140°F)

Ex-proof certification
FM approval
IP 68

BENEFITS

- System is supplied fully mounted and is ready to use immediately
- Easy setting and activation using rotary switch
- Discharge period can be regulated from 1 to 12 months in monthly steps
- Flexible use in various temperature ranges
- Year-round outdoor use possible
- Safe and reliable lubrication in explosive areas
- Can be used in very moist and dusty environments
- Increased workplace safety



TECHNICAL DATA

Drive
Electrochemical reaction via gas generating unit

Discharge period at +20°C / 68°F with multipurpose grease SF01
1, 2, 3 ... 12 months

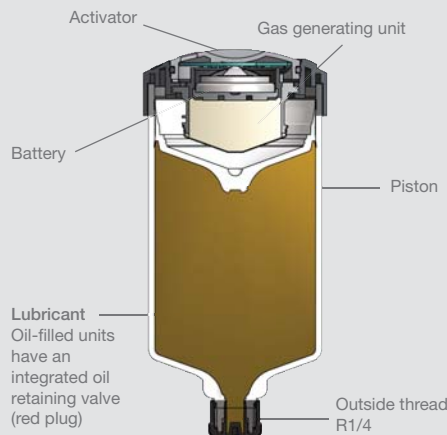
Lubricant volume
60 cc or 125 cc / 2.03 oz or 4.23 oz

Operating temperature
-20°C to +60°C / -4°F to 140°F

Pressure build-up
Max. 5 bar / 73 psi

Protection class
IP 68

Standard & special lubricants
Greases up to NLGI 2/oils



Dimensions AGL 60:
Ø 58 x 86.5 mm
Ø 2.28 x 3.41 inch

Dimensions AGL 125:
Ø 58 x 117 mm
Ø 2.28 x 4.61 inch

Discharge period setting in months:

Reference values for emptying without counter pressure using NLGI 2 lubricant.

Grease residues possible at temperatures > +40°C / 104°F and discharge periods > 6 months.



	1	3	6	9	12
at -20°C / -4°F	2	5	10	13	15
at 0°C / 32°F	1.3	3.8	7.2	11	13
at +20°C / 68°F	1	3	6	9	12
at +40°C / 104°F	0.8	2.5	5.2	7.5	10
at +60°C / 140°F	0.6	2	4	-	-