



## Current Hardware Versions

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**Right Grease | Right Amount | Right Time**

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# 1 All Systems - Communications Gateway v2.0 GBLG20



## Gateway v2.0 GBLG20

See the link for detailed specifications

[GBLG20 Tech Specs](#)



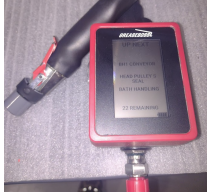
## 2 Automatic System - Endpoint Hardware (Low & High flow)

Endpoint Hardware (EPLF & EPHF)		
	Endpoint Low Flow	Endpoint High Flow
		
Power Requirements	Battery Operated CR2477 Coin Cell (1000mAh)	Battery Operated CR2477 Coin Cell (1000mAh)
Dimensions	58.0 x 58.7 x 53.5 mm	58.0 x 58.7 x 60.5 mm
Weight	0.22 kg	0.3 kg
Operating Temperature Range	-40 to +85 C	-40 to +85 C
Metering Mechanism	Positive displacement oval gear flow meter	Positive displacement oval gear flow meter
Operating Pressure	7,500 psi	7500 psi
Mechanical Fitting	Female 1/4" BSPP inlet and outlet ports	Female 1/4" BSPP inlet and outlet ports
IP Rating	IP66, IP68	IP66, IP68
Battery Life	Up to 5 years (depending on data transmission frequency)	Up to 5 years (depending on data transmission frequency)
Transmission Frequency	Default > every six hours. (configurable)	Default > every six hours. (configurable)

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Endpoint Hardware (EPLF & EPHF)		
RF Radio Frequency	2.4 GHz	2.4 GHz

### 3 Manual System - GreaseBoss Head Unit (HU14)(HU20)

GreaseBoss Head Unit (HU14)		
Image	 <p>Head Unit HU14</p>	H e a d U n i t H U 2 0
Part No	GBHU14	G B H U 2 0
IP rating	IP67	I P 6 7

GreaseBoss Head Unit (HU14)		
AC/DC charger	6VDC output	1 2 V D C o u t p u t  1. 5 A

GreaseBoss Head Unit (HU14)		
		ideal power 15 days 818-wyk-18w interchangeability.pdf
Battery capacity	6 Ah	6 Ah




GreaseBoss Head Unit (HU14)		
Battery type	Li-Po	Li - P o
Communications	WiFi, BLE, LTE-M, NB-IoT	B L E
Outer casing	Engineering Plastic	E n g i n e e r i n g P l a s t i c
Product Length (mm)	90	1 1 0
Product Width (mm)	65	8 0
Product Height (mm)	70	8 0
Hose Length (m)	1.3	0. 7
Weight (kg)	1.2	2
LED Nozzle	✘	✔
Nozzle Voltage	✘	5 V

GreaseBoss Head Unit (HU14)		
Nozzle Length (mm)	✘	3 3 0
Nozzle width (mm)	✘	4 5
Nozzle Height (mm)	✘	4 5
Run time	8 hours operation, 80 hour standby	8 h o u r s o p e r a t i o n

GreaseBoss Head Unit (HU14)		
Quick Coupler	✔ One hand operation	✘ standard coupler - field serviceable
Quick Coupler RF Antenna	900 MHz UHF	900 MHz UHF

## 4 Manual System - Grease Tags

Grease Tags	
Image	 <p style="text-align: center;"><b>Grease Tags</b></p>
Material	Engineering plastic with ceramic RFID chip
Temperature range	Operational temperature -40°C to +85°C Survival temperature -40°C to +150°C (long term) Peak temperature 200°C (minutes)
Chemical resistance	Extremely broad resistance to most chemicals. Excellent acidic/alkaline environment.
UV	Excellent UV resistance
IP Rating	IP68
Shock (drop) Vibration (chip)	3 ft (1 m) to concrete/granite MIL-STD-810G
Mass (tag + chip)	850mg
Dimensions	25mm x 10mm

## 5 Manual System - GreaseBoss Head Unit (HU20)

### 5.1 Features

- Grease Point Radio Frequency Identification (RFID) Technology
- Grease Point Status RGB Indicator LEDs
- Pressure rated to 10,000 PSI
- -10°C to 50°C Temperature Range
- 2.7" Monochrome Display with Front-light
- Bluetooth Low Energy 5.4 Wireless Communication
- Two-button Interface
- Audible Buzzer



### 5.2 Tech Specs

#### 5.2.1 Mechanical Properties

Parameter	Value
Inlet Thread	7/16" JIC (Grease Gun Adaptors Available)
Nozzle Thread	1/8" BSPP Female
Max Flow Rate	750 cc/min (NLGI2 @ 25°C)

Parameter	Value
Max Continuous Operating Pressure	7,500 PSI
Rated Pressure	10,000 PSI
IP Rating	IP68
Hose Length	700mm
Flow Meter Material	Aluminium
Handle Material	Steel
Plastic Housing Materials	Acetal, PA11, PC
Mass	2.5 kg
Overall Dimensions	1180 x 80 x 80 mm
Operating Temperature Range	-10°C to 50°C

## 5.2.2 Grease Flow Properties

Maximum Flow rate (CC/min)									
Min Temp. °C	-15	-10	0	5	15	25	40	55	100
<b>NLGI 0</b>	880	880	960	960	960	960	1040	1040	1040
<b>NLGI 1</b>	-	750	750	750	800	880	880	920	960
<b>NLGI 2</b>	-	-	-	750	750	750	750	800	880

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### 5.2.3 Electrical and RF Properties

Parameter	Value
Supply Voltage	12 VDC
Supply Current	3 A
Battery Chemistry	LiPo
Battery Capacity	6000 mAh
RFID Radio Frequency	900 MHz
Bluetooth Low Energy	2.4 GHz