

Grease Management Solutions  
by Grease Guardian

**75 GPM**  
150+ pound

**GGX75-IS**

**Model GGX75-IS**  
**A Complete Packaged**  
**Grease Management System**  
**Compact, Reliable and Fully Integrated**  
**A SMART SYSTEM FOR A SMART BUILDING**



**SOLIDS  
SEPARATION**

**AUTOMATIC  
GREASE  
REMOVAL**

**AUTOMATIC  
WASH DOWN  
SYSTEM**

**FULLY  
INTEGRATED  
SYSTEM**

**Complete Grease Management Solutions** By Grease Guardian

**TECHNICAL DATA**

# Grease Guardian

## GGX75-IS 75 GPM - 150 pound

**CONSTRUCTION**

|                     |                     |
|---------------------|---------------------|
| TANK                | 304 stainless Steel |
| FRAME               | 304 stainless Steel |
| CONTROL PANEL       | 304 stainless Steel |
| INTERNAL COMPONENTS | 304 stainless Steel |
| WEIGHT EMPTY        | 210 pounds          |
| WEIGHT FULL         | 600 pounds          |

**ELECTRICAL**

|                 |              |
|-----------------|--------------|
| SUPPLY          | 110 vac      |
| POWER LOADING   | 700watts     |
| CURRENT LOADING | 6.4 amps     |
| CONTROL METHOD  | PLC          |
| PROTECTION      | GFI required |
| APPROVED SYSTEM | UL 499       |

**FLOW AND HANDLING**

|                           |                       |
|---------------------------|-----------------------|
| FLOWRATE                  | 75 gallons per minute |
| GREASE RETENTION CAPACITY | 150+ pounds           |
| SKIMMING RATE - LOW       | 20 pounds per cycle   |
| SKIMMING RATE - HIGH      | 40 pounds per cycle   |
| AVAILABLE CYCLES          | 4 per day             |
| GREASE REMOVAL            | 95% - 99%             |

**HOT WATER REQUIREMENTS**

|                       |               |
|-----------------------|---------------|
| WATER PRESSURE        | 40 psi        |
| TEMPERATURE           | 100-140 DEG F |
| WYE STRAINER          | Required      |
| BACKFLOW PREVENTION   | Required      |
| WATER HAMMER ARRESTOR | Required      |

**SPECIFICATION**
☐ Grease Guardian Model GGX75-IS - Part # GGX75-IS

Grease Guardian GGX75-IS, self-cleaning automatic grease removal unit. 16 gauge fully welded 304 stainless steel tank, stainless steel internal baffle, fully sealed air tight stainless steel lid and robust stainless steel clamps, heavy duty stainless steel lift out solids strainer, uni-directional inlet and outlet flow connections, with easy fit pipe couplings, concealed plumbing and electrical connections, 75 gallon per minute flowrate, 150+ pounds grease retention capacity, and skimming rate of 20/40 pounds per low/high cycle. The GGX75-IS is supplied with a stainless steel rotating skimming drum, integral gas trap, integral flow control, totally enclosed geared drive unit, 1 x 600 watt immersion heaters with self-regulating temperature control / low level protection and programmable controller with operator interface. The GGX75-IS is electrically tested and approved to UL499 and CSA C22-2 88-1952 standards. 3 year warranty is standard.

☐ Stainless Steel Support Frame - Part # GGX75STAND

☐ Grease Level Controller - Part # GGXHLPA

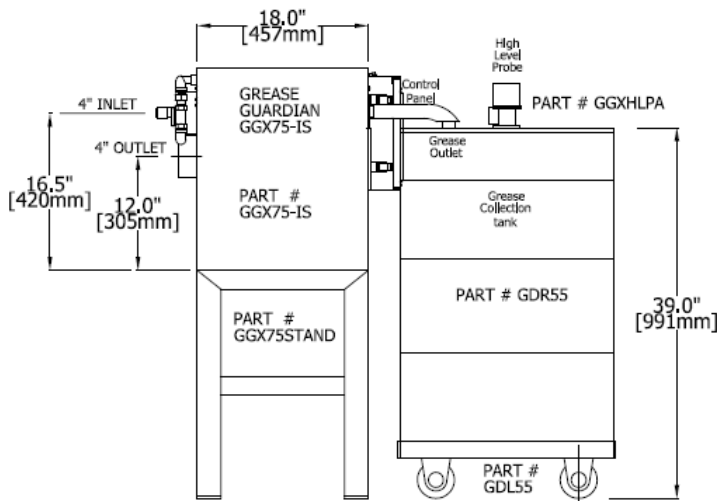
Grease Guardian Level Control Probe Assembly is fitted to lid of the Grease Collection Barrel. The probe will send a high level alert to the Grease Guardian PLC whenever the barrel is 90% full of grease. This signal can alert a high level flashing beacon and also send an alert signal automatically to the Building Management System

☐ 55 Gallon Grease Collection Barrel—Part # GDR55-S

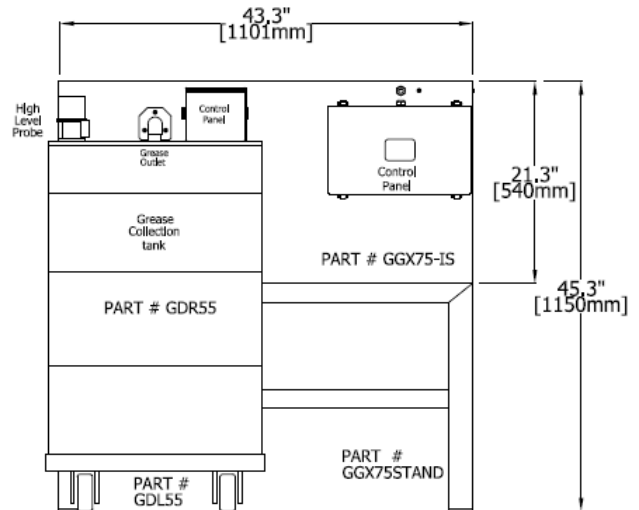
☐ 55 Gallon Dolly for Grease Collection Barrel - Part # GDL55

## DIMENSIONAL DATA

# Grease Guardian



Side View



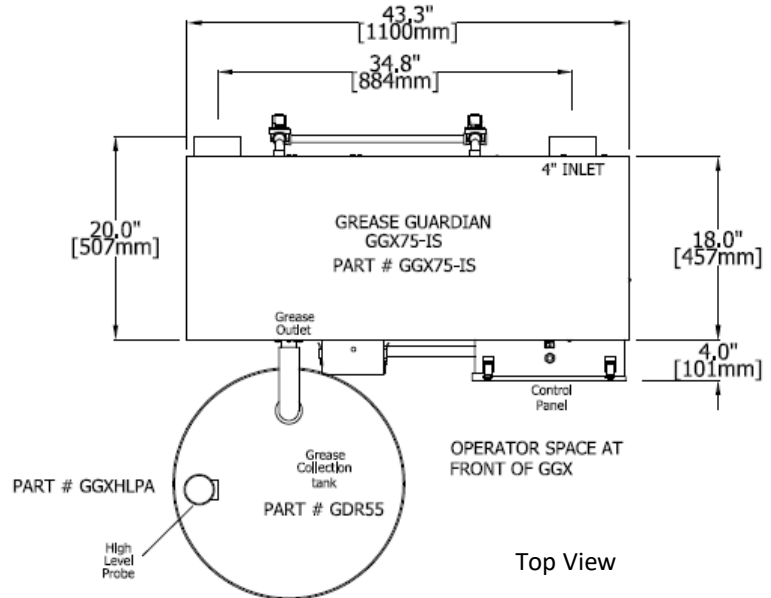
Front View

### KEY INSTALLATION NOTES

- Allow for the minimum clearances shown
- Allow 48" x 32" for tank and container base
- Allow adequate space for grease container
- Inlet port is uni-directional (single)
- Outlet port is uni-directional (single)
- Keep outlet piping at 1/8" per foot or greater
- Use rubber pipe connections provided
- Only switch on after filling with water
- Refer to full manual for full instructions

### HOT WATER SUPPLY OPTIONAL CONNECTION

- 1/2" incoming hot water pipe
- Backflow Prevention
- Water hammer arrestor
- Wye Strainer



Top View

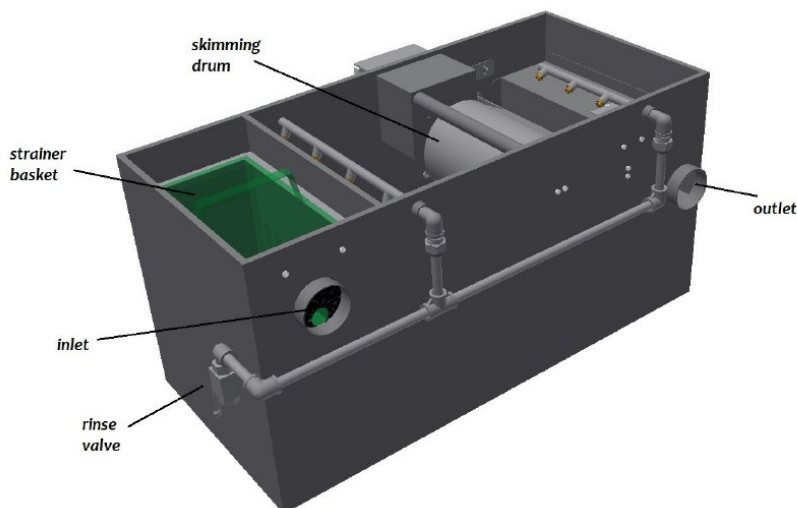
### PRE-START UP CHECKS

- Ensure unit is positioned on a level surface and is plumbed securely
- Ensure electrical outlet is fitted with dedicated ground fault circuit breaker
- Ensure unit is filled with water to the correct level
- Ensure strainer basket is fully closed
- Set PLC date and time as detailed in the manual
- Ensure the grease container is empty and secured in place

# Grease Guardian

## GREASE GUARDIAN standard features

- ☐ 3 Year Warranty
- ☐ 16 Gauge stainless steel welded tank
- ☐ Fully sealed air tight lid
- ☐ Universal flow direction
- ☐ PLC/HMI automatic controller
- ☐ Optional BMS connectivity
- ☐ Long life skimming blade
- ☐ Optional automatic internal wash down system
- ☐ Optional automatic inlet screen spray bar wash
- ☐ Lift out solids basket
- ☐ 1/2" optional hot water connection
- ☐ Concealed plumbing & electrical connections
- ☐ Integral flow control
- ☐ Integral gas trap



## Grease Guardian GGX75-IS

## GGX75-IS

### Stage 1 - Solids Separation

Wastewater from the kitchen is directed through the inlet of the GGX75-IS. A removable inlet solids strainer collects any solid debris.

### Stage 2—Grease and Oil Separation

Grease in the wastewater floats to the surface and is trapped leaving the clear water to exit the tank.

### Stage 3 - Self Cleaning Grease Removal

The PLC controlled immersion heater is activated to liquefy the grease, which is then removed by the skimming drum into the external grease collector.

Grease Guardian Automatic Grease Recovery Units are the most efficient and reliable on the market.

The Grease Guardian GGX75-IS, point source grease recovery unit intercepts wastewater from the kitchen, separates solids and grease, then automatically removes the settled grease into the external grease collector up to 4 times per day.

All Grease Guardians are built from high quality stainless steel tanks, reliable and efficient mechanical skimming devices and programmable PLC interfaces.

The Grease Guardian GGX75-IS machines carry an unrivaled 5 year warranty on all mechanical and electrical equipment and a 10 year warranty on the tank.