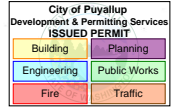


THE APPROVED CONSTRUCTION PLANS AND ALL DOCUMENTS MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

-5849226



WisI



Search



Reviewed 3/14/2023 DL  
Subject to field inspectors approvals.

Drain Strainers

Drain Locks

Floor Sink

Baskets

Restaurant Sink

Strainers

Garbage Disposal Replacement

Grease Traps

Beer & Soda

Fountain Drains & Ice Machine Slime

Clogged Toilet

Drains - Traptex

Drain Cleaning /

FOG Treatment

Sewer Gases,

Bugs, and Drain Odors

Drain Covers &

Grates

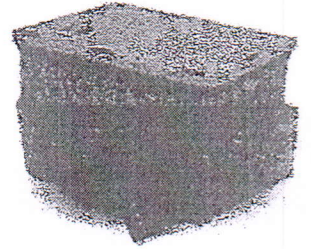
Spill & Flooding

Containment

## How To Size Your Grease Trap

### Sizing a Grease Trap by Flow Rate:

Explanatory Note: This method uses total combined fixture capacity to define an actual (maximum) drainage load, which is in turn used to define the flow rating of the interceptor required for the application typically up to 100 GPM.



1. Measure your sinks. Calculate the capacity of the sink in cubic inches by multiplying length by width by depth. If you have multiple compartments or sinks, add the capacity of sinks together to find total cubic inches:

\_\_\_ x \_\_\_ x \_\_\_ = \_\_\_ Cubic Inches *SEE LIST + CALCS*  
Length x Width x Depth *7,698 C.I.*

2. Convert the capacity from total cubic inches to gallons per minute (GPM) by dividing by 231:  
*7,698* Cubic Inches ÷ 231 = *33.3* GPM

3. Adjust for displacement (displacement takes into consideration the actual usable capacity of your sink):

*33.3* GPM x 0.75 = *25* GPM Actual Drainage Load for sinks

4. Add any additional appliances (optional) *NONE*

Note: Dishwashers can be connected to a Grease Trap only if allowed by local code. Each dishwasher will require a separate Grease Trap. For floor drains and floor sinks take the volume of water produced by the number of hose bibs (i.e. 1.5 - 2.0 GPM per 3/4 inch faucet).

\_\_\_ + \_\_\_ *0*  
Actual Drainage Load for sinks + Other Appliances and sinks

Grease  
Containment

completely drain the fixture.

$25 \text{ GPM} \div 1 \text{ drainage period} = 25 \text{ GPM Total Actual Drainage Load}$   
(1 or 2 min) (Flow Rate)

Janitorial

More Restaurant   
Equipment &  
Supplies

6. Select interceptor from the table below which corresponds with the flow rate calculated. Round up to the next largest size. [Click here to view and purchase all our Grease Traps](#)

## Click Here To Use Our New GPM Calculator Which Does All The Work For You!

TECHNICAL DATA	7 GPM	10 GPM	15 GPM	20 GPM	25 GPM	35 GPM	50 GPM
- Part Number	03507A02	03510A02	03515A02	03520A02	03525A02	03535A02	03550A02
US Gallons Per Minute - GPM (L/Sec)	7 (0.44)	10 (0.63)	15 (0.94)	20 (1.26)	25 (1.6)	<b>35 (2.2)</b>	50 (3.2)
Min. Grease Capacity - lb (kg)	14 (6.35)	20 (9.07)	30 (13.6)	40 (18.1)	50 (22.68)	<b>50 (22.68)</b>	70 (31.8)
Grease Capacity Actual (ASME A112.14.3) - lb (kg) † HSF ES 15741	31.95 (14.49)	38.07 (17.28)	35.14 (15.94)	76.4 (34.65)	62.59 (28.39)	72.55 (32.90) (2") 73.01 (33.11) (3")	138.5 (62.8)
Average Efficiency % (ASME A112.14.3)	95.5%	92.5%	90.1%	95.4%	96.3%	96.7% (2") 97.3% (3")	98.6%
Operating Temperature Capabilities	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)
Cover Load Rating	300 lb (135 kg)	300 lb (135 kg)	300 lb (135 kg)	300 lb (135 kg)	300 lb (135 kg)	300 lb (135 kg)	300 lb (135 kg)
Min. Test Load for Approval	600 lb (270 kg)	600 lb (270 kg)	600 lb (270 kg)	600 lb (270 kg)	600 lb (270 kg)	600 lb (270 kg)	600 lb (270 kg)
Unit Weight (Empty)	15.8 lb (7.17 kg)	15.8 lb (7.17 kg)	23 lb (10.4 kg)	23 lb (10.4 kg)	34.35 lb (15.58 kg)	35.61 lb (16.153 kg) (2") 37.77 lb (17.136 kg) (3")	45 lb (20.4 kg)
Liquid Capacity	12.96 gal (49.06 L)	12.96 gal (49.06 L)	21.6 gal (81.8 L)	21.6 gal (81.8 L)	18.9 gal (71.54 L)	30.6 gal (115.83 L) (2") 29.5 gal (111.67 L) (3")	39.4 gal (149.1 L)
Connection size (mechanical joint entry)	2"	2"	2"	2"	2"	2" (3925X1A02) 3" (3925X1A03)	3" (3935A03) 4" (3935A04)

Example:

This is how you would calculate the size grease trap needed for a typical 3 compartment sink with no additional appliances or other sinks added:

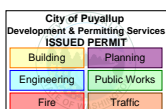
$18" \times 18" \times 10" \times 3 \text{ (bowls/compartments)} = 9720 \text{ cubic inches}$

$9720 / 231 = 42.08 \text{ USG}$

$42.08 \times 0.75 = 31.56 \text{ USG}$

$31.56 / 1 \text{ min (or 2 min as applicable)} = 31.56 \text{ GPM}$

Next standard size of Grease Interceptor you should use is 35 GPM



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10 NOV '22  
BSM

# UNIT VOL. CALC'S

3-COMP. SINK -

$$2 \times 14'' \times 10'' \times 10'' = 2,800 \text{ c.i.}$$

$$1 \times 14'' \times 14'' \times 10'' = 1,960 \text{ c.i.}$$

$$\underline{\underline{4,760 \text{ c.i.}}}$$

2 HAND SINKS -

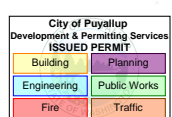
$$2 \times 9'' \times 11'' \times 6'' = 1,188 \text{ c.i.}$$

CUP SINK - USE EST.  $\underline{\underline{500 \text{ c.i.}}}$

MOP SINK - USE EST.  $\underline{\underline{1,250 \text{ c.i.}}}$

TOTAL  $\underline{\underline{7,698 \text{ c.i.}}}$

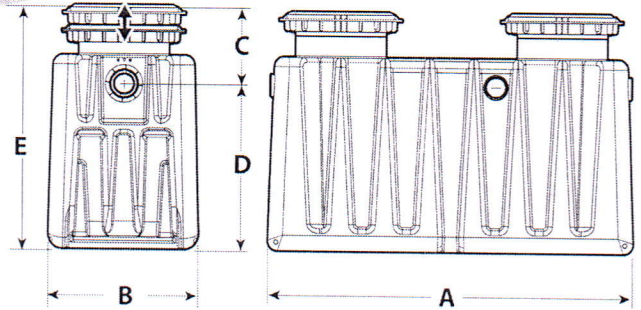
(SEE WORK SHEET)



# DrainNet TECHNOLOGIES

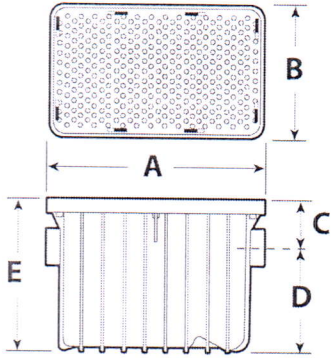
## Grease Traps Specifications

75 & 100 GPM



7-50 GPM

TANK DIMENSIONS

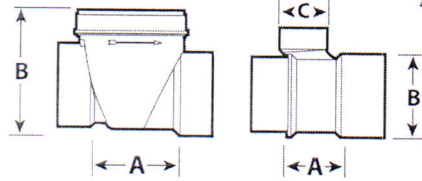


GPM/lbs	7/14	10/20	15/30	20/40	25/50 LO	25/50	35/70	50/100	75/>500	100/>1000
A	14.5" (368mm)	14.5" (368mm)	23.6" (600mm)	23.6" (600mm)	31.0" (787mm)	31.0" (787mm)	31.0" (787mm)	31.0" (787mm)	59.0" (1497 mm)	78.0" (1981 mm)
B	17.5" (444mm)	17.5" (444mm)	17.5" (444mm)	17.5" (444mm)	23.5" (597mm)	23.5" (597mm)	23.5" (597mm)	23.5" (597mm)	32" (813 mm)	32" (813 mm)
C	3.5" (89mm)	3.5" (89mm)	3.5" (89mm)	3.5" (89mm)	4" (102mm)	5.0" (127mm)	5.0" (127mm)	5.0" (127mm)	14.0" (356 mm)	14.0" (356 mm)
D	12.8" (325mm)	12.8" (325mm)	12.8" (325mm)	12.8" (325mm)	7" (178mm)	12.5" (318mm)	12.5" (318mm)	18.5" (470 mm)	29.0" (737 mm)	34.5" (876 mm)
E	16.3" (414mm)	16.3" (414mm)	16.3" (414mm)	16.3" (414mm)	11" (279mm)	17.5" (444mm)	17.5" (444mm)	23.5" (597 mm)	43" (1092 mm)	48.5" (1232 mm)

FLOW CONTROL

AIR INTAKE TEE

AIR INTAKE TEE  
on XL models  
4" h x h



3" VERSION ILLUSTRATED

FLOW CONTROL DIMENSIONS

Connection Iron Pipe Size (Solvent weld)	2" h x h	3" h x h	4" h x h
A	3.0" (76.2mm)	4.23" (107.4mm)	6.13" (155.7mm)
B	3.84" (97.5mm)	5.93" (151mm)	6.84" (173.7mm)
C	-	-	-

AIR INTAKE DIMENSIONS

2" spg x h	3" spg x h	4" spg x h	XL Models 4" h x h
2.91" (73.9mm)	2.67" (67.8mm)	3.19" (81mm)	3.19" (81mm)
2.71" (68.8mm)	4.01" (101.9mm)	5.04" (128mm)	5.04" (128mm)
2.24" (56mm)	2.27" (57.7mm)	2.72" (69.1mm)	2.72" (69.1mm)

### TECHNICAL DATA

	7 GPM	10 GPM	15 GPM	20 GPM	25 LOW BOY	25 GPM	35 GPM	50 GPM	HGI 75	HGI 100
Part Number	D3907A02	D3910A02	D3915A02	D3920A02	D3925A02LO	D3925XTA02 (2") D3925XTA03 (3")	D3935A03 (3") D3935A04 (4")	D3950A03 (3") D3950A04 (4")	HGI-75-04 HGI-75-04M	HGI-100-04 HGI-100-04M
US Gallons Per Minute - GPM (L/Sec)	7 (0.44)	10 (0.63)	15 (0.94)	20 (1.26)	25 LO (1.6)	25 (1.6)	35 (2.2)	50 (3.2)	75 (4.74)	100 (6.3)
Min. Grease Capacity - lb (kg)	14 (6.35)	20 (9.07)	30 (13.6)	40 (18.1)	50 (22.68)	50 (22.68)	70 (31.8)	100 (45.4)	150 (68.2)	200 (90.8)
Grease Capacity Actual (ASME A112.14.3) - lb (kg) † NSF ES 15741	31.95 (14.49)	38.07 (17.28)	35.14 (15.94)	76.4 (34.65)	62.59 (28.39)	72.55 (32.90) (2") 73.01 (33.11) (3")	138.5 (62.8)	122.07 (55.3)*	559 (253)†	1058 (480)†
Average Efficiency % (ASME A112.14.3)	95.5%	92.5%	90.1%	95.4%	96.3%	96.7% (2") 97.3% (3")	98.6%	93.9%	>98%	>98%
Operating Temperature Capabilities	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	160°F (71°C)	160°F (71°C)
Cover Load Rating	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	L 300 lb (135 kg)	S 10,000 lb (4536 kg) M 2000 lb (907 kg)	S 10,000 lb (4536 kg) M 2000 lb (907 kg)
Min. Test Load for Approval	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	L 600 lb (270 kg)	S 20,000 lb (9072 kg) M 4000 lb (1814 kg)	S 20,000 lb (9072 kg) M 4000 lb (1814 kg)
Unit Weight (Empty)	15.8 lb (7.17 kg)	15.8 lb (7.17 kg)	23 lb (10.4 kg)	23 lb (10.4 kg)	34.35 lb (15.58 kg)	35.61 lb (16.153 kg) (2") 37.77 lb (17.136 kg) (3")	45 lb (20.4 kg)	60 lb (27.2 kg)	233 lb (106 kg)	283 lb (128 kg)
Liquid Capacity	12.96 gal (49.06 L)	12.96 gal (49.06 L)	21.6 gal (81.8 L)	21.6 gal (81.8 L)	18.9 gal (71.54 L)	30.6 gal (115.83 L) (2") 29.5 gal (111.67 L) (3")	39.4 gal (149.1 L)	52.0 gal (197 L)	158 gal (598 L)	257 gal (973 L)
Connection size (mechanical joint only)	2"	2"	2"	2"	2"	2" (3925XTA02) 3" (3925XTA03)	3" (3935A03) 4" (3935A04)	3" (3950A03) 4" (3950A04)	4"	4"

\* Not evaluated to breakdown capacity (PDI-G101)

**Grease Capacity Min - lb (kg):** Industry minimum grease capacity based on GPM flow rate. Requires minimum 2 lb of grease capacity for each GPM of flow.

**Grease Capacity Actual - lb (kg):** Actual capacity at breakdown when tested to ASME A112.14.3 / NSF ES 15741 as indicated.



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