

GREASE INTERCEPTOR CALCULATIONS

Quote: 6B115FEC

Reference No. 92405

Project Name: Scooter's - Erwin, NC (2946)

Step 1: Flow rate to grease interceptor

Fixture flow rate: $(cu\ in / 231) = gal \times 0.75 / 2\ min = 2\ min\ flow\ rate$

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
#10 - 3 Comp	3 Compartment Sink	20" x 12" x 12" (3)	1	8,640	14.03 GPM
#24 - Mop Sink	Mop Basin	20" x 16" x 6"	1	1,920	3.12 GPM
#27 - Dipper Well	Dipper Well	N/A	1	N/A	2 GPM
#32A - Hand Sink	Hand Sink	10" x 14" x 9"	1	1,260	2.05 GPM
#33 - Dump Sink (1 bowl)	Dump Sink One Bowl	10" x 14" x 6"	1	840	1.36 GPM
Floor Drain	Floor Drain	N/A	3	N/A	0 GPM

Total

22.55 GPM

Step 2: Grease Production

$Servings\ per\ day \times Grease\ production\ value \times Days\ between\ pump-outs = Grease\ output$

Servings per day: 250

Grease production value: 0.005 lbs per serving (Coffee Shop: Low / No flatware)

Days between pump-outs: 90 days

250 x 0.005 x 90 = 112.5 lbs of FOG

SCHIER MODEL	Description: GREASE INTERCEPTOR 35 GPM, 4" FPT CONNECTIONS W/ 3" PLAIN END ADAPTERS, PEDESTRIAN RATED POLYPROPYLENE COVER
GB2	<p>Dimensions: Length: 35", Width: 23", Height: 13.75"</p> <p>Flow Rate/Grease Capacity: 35 GPM / 119 lbs</p> <p>Liquid Capacity: 20 gal</p>

Specification Note: This Great Basin model has been sized to the flow rate and grease production requirements of the application and may not be substituted by liquid capacity alone. Any substitution requests must be approved by the specifying engineer and the authority having jurisdiction.

Please contact support@schierproducts.com for technical and procurement support for the specified Great Basin model.