

Sieve Canister WorkFlow

Version 1.0





Document #

Date Effective

OXIKIT-SC001

Supersedes Document Version #:

Document Title

Sieve Canister Assembly

Change History Log:

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VERSION #	REVISION	DESCRIPTION OF CHANGE			
	DATE	FROM	ТО		
1.0	11/27/2020	Original Release			

I. Purpose:

This Workflow is intended to serve as a guide in assembling one of the main components of the Oxikit, the Sieve Canister Tank. The tank serves as Vessel that contains Zeolite and converts air from the air compressor into a concentrated oxygen and releases Nitrogen into the air.

II. Scope:

This guideline applies to all individuals who wish to build the DIY Oxikit. It includes the Materials, tools and the Video Link needed in assembling the Sieve Assembly..

III. Picture:

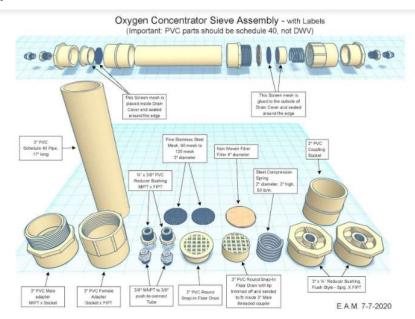


Fig 1.0 (Sieve Canister Assembly)

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OXIKIT WorkFlow						
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Sieve Canister Assembly						

Figure 1 describes the parts needed to assemble the Sieve Canister Assembly

IV. Safety Operating Conditions:

 Always wear protective gloves, googles and mask. Please refer to MSDS for proper handling of Zeolite.

V. Workflows

 Please see next page for the step by step guidelines in making the Sieve Canister Assembly.

Insert the Stainless Steel Woven Wire (same size with the ID of Drain Cover)) into the VC Drain Cover. Using another PVC Fitting that oosely fits inside the Drain Cover, slowly push the Stainless Steel Woven Wire inside the PVC Drain Cover. Slowly push the Stainless Steel Woven Wire inside the PVC

Description Metric Conversion Unit of Name Measure Stainless Steel 304 Stainless Steel Woven Wire 80 304 Stainless Steel Woven Wire Piece Woven Wire Mesh 0.18mm Hole 80 Mesh 0.18mm Hole **PVC Drain Cover** PVC 3 in. Round Snap-In Floor Drain PVC 75mm Round Snap-In Piece Floor Drain

https://www.y outube.com/ watch?v=2U 1sdMwJ1gE &list=PL4O1 RQEiLpHBJ0 i1zqe-CZk1p_NTtG I76&index=2

Place a
little dab of
Super Glue
(every half
inch) on the
edges of
the
Stainless
Steel
Woven
Wire

Name Description Metric Conversion Unit of Measure Piece Stainless Steel 304 Stainless Steel Woven Wire 80 304 Stainless Steel Woven Wire Woven Wire Mesh 0.18mm Hole 80 Mesh 0.18mm Hole **PVC Drain Cover** PVC 3 in. Round Snap-In Floor Drain PVC 75mm Round Snap-In Piece Floor Drain Super Glue Super Glue Super Glue piece

Put glue
on the
PVC
Coupling
socket and
the Sieve
PVC Pipe.
Put a large
amount of
glue on
the
outside
portion of
the Male
end,
around
50mm
(Sieve
PVC Pipe)
and less
on the
inside of
the female
end (PVC
Coupling
Socket).
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Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000)PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Glue	Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One-Step	Gorilla PVC Cement 230ml R1584C Medium Body PrimaGlue, One-Step	Ounce

5

Step

Step	Process			Materia	al		Tools	Youtube link
		Name	Description	Metric	Conversion	Unit of Measure		https://www.y outube.com/ watch?v=2U
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSd Socket	ch 40 (Series 1000) PVC Coupling-	Piece		1sdMwJ1gE &list=PL4O1
8	Let it dry for a few	Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Sc 431 mm	hedule 40 (Series 1000) PVC Pipe height	Piece		RQEiLpHBJ0 i1zqe-
	minutes							CZk1p_NTtG I76&index=2
								1
	Inspect if the PVC Drain	Name	Description		Metric Conversion	Unit of Measure		https://www.y outube.com/ watch?v=2U
	Cover will fit inside the PVC	Stainless Steel Woven Wire	304 Stainless Steel Wove Mesh 0.18mm Hole	n Wire 80	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		1sdMwJ1gE &list=PL4O1
9	Coupling Socket. If not, smooth	PVC Drain Cover	PVC 3 in. Round Snap-In F	Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		RQEiLpHBJ0 i1zqe-
	the edges of the lip of the	PVC Coupling Socket	3" Sch 40 PVC Coupling	- Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece		CZk1p_NTtG I76&index=2
	Drain Cover							

Step	Process		Materi	al		Tools	Youtube link
		Name	Description	Metric Conversion	Unit of Measure	Deburring tool	https://www.y outube.com/ watch?v=2U
		Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		1sdMwJ1gE &list=PL4O1
10	Smooth the edges	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		RQEiLpHBJ0 i1zqe-
	of the lip of the Drain Cover						CZk1p_NTtG I76&index=2
	Place the PVC Drain Cover with	Name	Description	Metric Conversion	Unit of Measure		https://www.y outube.com/ watch?v=2U
	the Stainless	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		1sdMwJ1gE &list=PL4O1
11	Steel Woven	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		RQEiLpHBJ0 i1zqe-
	Wire inside the PVC	PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece		CZk1p_NTtG I76&index=2
	Coupling Socket until it bottoms	Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		
	out.						

12	Put glue on the PVC Reducer Busing Flush Style, and the PVC Coupling Socket (with the PVC Drain Cover inside). Put a large amount of glue on the outside portion of the Male end (PVC Reducer Busing Flush Style) and less on the inside of the female end (PVC Coupling Socket).

Name	Description	Metric Conversion	Unit of Measure
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece
PVC Glue	Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One- Step	Gorilla PVC Cement 230ml R1584C Medium Body PrimaGlue, One-Step	Ounce

		Na
		Stai Wo
		PV0 Cov
		PV0 Soc
	Place the PVC	Siev
13	Reducer Bushing Flush Style on top of the PVC Coupling Socket. Put a little bit of pressure to connect the parts.	PV(Bus Styl

Name	Description	Metric Conversion	Unit of Measure
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece

14	Wipe any excess glue on	Name Stainless Steel Woven Wire PVC Drain Cover PVC Coupling Socket Sieve PVC Pipe PVC Reducer Busing Flush Style Towel/Tissue	Description 304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole PVC 3 in. Round Snap-In Floor Drain 3" Sch 40 PVC Coupling - Socket 3" Schedule 40 PVC Pipe 18" height 3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt Towel/Tissue	Metric Conversion 304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole PVC 75mm Round Snap-In Floor Drain 75mm Sch 40 (Series 1000) PVC Coupling - Socket 7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height 75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt Towel/Tissue	Unit of Measure Piece Piece Piece Piece roll	https://ww w.youtub e.com/wa tch?v=2U 1sdMwJ1 gE&list=P L4O1RQ EiLpHBJ0 i1zqe- CZk1p_N TtGI76∈ dex=2

		Name	Description	Metric Conversion	Unit of Measure	https://ww w.youtub e.com/wa
		Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece	tch?v=2U 1sdMwJ1
		PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece	gE&list=P L4O1RQ
		PVC Coupling 3" Sch 40 PVC Coupling - 75mm Sch 40 (Series 1000) PVC Coupling Piece Socket -Socket	EiLpHBJ0 i1zqe-			
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece	CZk1p_N TtGl76∈ dex=2
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece	uex-2
15	Let it dry overnight					

_Ster	<u>Process</u>		Mat	erial	_	<u>Tools</u>	Youtube link
		Name	Description	Metric Conversion	Unit of Measure		https://www.y outube.com/ watch?v=2U
	Mach the	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		1sdMwJ1gE &list=PL4O1
16	Wash the inside portion of	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece	i	RQEiLpHBJ0 i1zqe-
	the PVC	PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece		CZk1p_NTtG I76&index=2
	dry.	Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig	Piece		

		Name Sieve PVC	Description 3" Schedule 40 PVC Pipe 18"	` , , , , , , , , , , , , , , , , , , ,	Unit of Measure	Deburring tool, Sand Paper	https://www.y outube.com/ watch?v=2U 1sdMwJ1gE
17	Smooth the other end of the Sieve PVC Pipe	Pipe	height	mm height			&list=PL4O1 RQEiLpHBJ0 i1zqe- CZk1p_NTtG I76&index=2

18	Put glue on the PVC Male adapter Socket and the Sieve PVC Pipe (open side). Put a large amount of glue on the outside portion of the Male end around 50mm (Sieve PVC Pipe) and less on the inside of the female end
. 0	(Sieve PVC
	Pipe) and
	(PVC Male
	adapter
	socket). the female end
	(PVC Male
	adapter
	socket).

Name	Description	Metric Conversion	Unit of Measure
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
PVC Glue	Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One- Step	Gorilla PVC Cement 230ml R1584C Medium Body PrimaGlue, One-Step	Ounce

Step	Process		Mat	cerial		Tools	Youtube link
		Name	Description	Metric Conversion	Unit of Measure		https://www .youtube.co m/watch?v
		Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		=2U1sdMw J1gE&list=
		PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		PL4O1RQ EiLpHBJ0i
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling - Socket	Piece		1zqe- CZk1p_NTt
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		GI76&index =2
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		
21	Let it dry overnight	PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter - MIPT x Socket	Piece		

22	Put glue on another piece of PVC Reducer Bushing Flush Style and the PVC Female Adapter Socket. Put a large amount of glue on the outside portior of the Male end around 50mm (PVC Reducer Bushing Flush Style) and less on the inside of the female end (PVC Female Adapter Socket). inside of the female end (PVC Female Adapter Socket).

Name	Description	Metric Conversion	Unit of Measure
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece
PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece
PVC Glue	Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One- Step	Gorilla PVC Cement 230ml R1584C Medium Body PrimaGlue, One-Step	Ounce

		Name	Description	Metric Conversion	Unit of Measure	https://ww w.youtube .com/watc
		PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece	h?v=kibjk u2GYq0&l ist=PL4O
	Assemble the top	Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece	1RQEiLp HBJ0i1zq
25	portion of the Sieve to identify the Distance of the PVC Drain Cover and the PVC Female Adapter. Place the Drain cover Tube inside the PVC Female Adapter Socket	Tube	Floor Drain	Drain		e- CZk1p_N TtGI76∈ dex=3

		Name	Description	Metric Conversion	Unit of Measure	https://w w.youtu .com/wa
		PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece	h?v=kib u2GYq(ist=PL4 1RQEiL
		Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece	HBJ0i1: e-
		PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain -Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain- -Trimmed with Stainless Steel Woven Wire	Piece	CZk1p_ TtGI768 dex=3
26	Place the PVC Drain Cover - Trimmed on top of the Drain Cover Tube					

Compute for the level of	Name	Description	Metric Conversion	Unit of Measure
the Zeolite. a) Measure the gap between from the top	PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
of the PVC Drain Cover Trimmed from	PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
step 26 vs the top portion of the PVC Female	PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece
Socket is 7mm; b) estimate gap of the PVC Female Adapter vs Male Adapter is 5mm; c) add a and b a(7)+b(5)= 12mm; d) Measure the threaded portion of the PVC Male Adapter (38mm); e). d(38)- c(12) = 26mm				

		Name	Description	Metric Conversion	Unit of Measure	Caliper	https://w ww.youtu be.com/ watch?v
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece		=kibjku2 GYq0&lis t=PL4O1
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		RQEiLp HBJ0i1z
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		qe- CZk1p_ NTtGl76 &index=3
	Measure	PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece		
	26mm from the	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		
28	top of the PVC Male	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		
	Adaptor Socket for the Zeolite						
	Height						

		Name	Description	Metric Conversion	Unit of Measure	Caliper	https://w ww.youtu be.com/ watch?v
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece		=kibjku2 GYq0&lis t=PL4O1
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		RQEiLp HBJ0i1z ge-
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		qe- CZk1p_ NTtGl76 &index=3
		PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece		
	Label the	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		
29	26mm on the	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		
	PVC Male Adapter						
	Socket						

		Name	Description	Metric Conversion	Unit of Measure	https://w ww.youtu be.com/ watch?v
		PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece	=kibjku2 GYq0&lis t=PL4O1 RQEiLp
		PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece	HBJ0i1z qe- CZk1p_ NTtGl76
	Remove the PVC Drain	Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece	&index=3
30	Cover - Trimmed and the PVC Drain Cover Tube from the Female Adapter Socket from Step 25 and 26					

		Name	Description	Metric Conversion	Unit of Measure	Funnel, Caliper, Cup for	https://w ww.youtu be.com/ watch?v
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece	the Zeolite	=kibjku2 GYq0&lis t=PL4O1
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		RQEiLp HBJ0i1z ge-
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		ĊZk1p_ NTtGI76 &index=3
	Place the	PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter - MIPT x Socket	Piece		
	Zeolite	Zeolite	Zeolite	Zeolite			
31	inside the Sieve PVC Pipe	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		
	until it	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		
	the 26mm level						

		Name	Description	Metric Conversion	Unit of Measure	Air Hammer	https://w ww.youtu be.com/ watch?v
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece		=kibjku2 GYq0&lis t=PL4O1
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		RQEiLp HBJ0i1z ge-
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		ĊZk1p_ NTtGl76 &index=3
	Vibrate the bottom	PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece		
	and top side of the	Zeolite	Zeolite	Zeolite			
32	PVC Pipe and add	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		
	appropriat e amount	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		
	of Zeolite until it reach the						
	26mm level						
	10001						

		Name	Description	Metric Conversion	Unit of Measure		https://w ww.youtu be.com/ watch?v
		PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling -Socket	Piece		=kibjku2 GYq0&lis t=PL4O1
		Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece		RQEiLp HBJ0i1z
		PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece		qe- CZk1p_ NTtGl76 &index=3
		PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter - MIPT x Socket	Piece		
	Place the	Zeolite	Zeolite	Zeolite			
33	Non Woven	Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece		
	Fiber Filter on top of	PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece		
	the Zeolite	Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece		

Place the PVC Drain Cover -34 Trimmed (inverted position) on top of the Non woven Fiber Filter.

Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mm Sch 40 (Series 1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVCReducerBushingFlushStyle- Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
PVC Drain Cover - Trimmed with Wire	3" Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece
PVC Drain Cover	n Cover PVC 3 in. Round Snap-In Floor PVC 75mm Round Snap-In Floor Drain Drain		Piece
	·	<u> </u>	·

Push the PVC Drain 35 Cover -Trimmed to compress the Zeolite.

Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVCReducerBushingFlushStyle- Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
PVC Drain Cover - Trimmed with Wire	3" Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece

Place the 36 spring on top of the PVC Drain Cover -Trimmed

Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVCReducerBushingFlushStyle- Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
Spring	2" Diameter x 3" Tall - Springs C200-M10-S17	50mm Diameter x 75mm Tall - Springs C200-M10-S17	Piece
PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece

		Name	Description	Metric Conversion	Unit of Measure	https://w ww.youtu be.com/ watch?v
		PVC Spacer	3/4" x 2" spigot threaded MPT PVC(spacer)	20mm x 45mm Spigot Threaded MPT PVC (Spacer)	Piece	=kibjku2 GYq0&lis t=PL4O1
		Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece	RQEiLp HBJ0i1z
						qe- CZk1p_ NTtGI76 &index=3
	Insert the					
	PVC Spacer into the Drain					
37	Cover Tube.					
	Ensure Drain					
	Cover Tube covers the					
	lip side of the PVC					
	Spacer					

Place the PVC Spacer 38 with the Drain Cover Tube on top of the Spring

Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVCReducerBushingFlushStyle- Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
Spring	2" Diameter x 3" Tall - Springs C200-M10-S17	50mm Diameter x 75mm Tall - Springs C200-M10-S17	Piece
PVC Drain Cover - Trimmed with Wire	3" Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
PVC Spacer	3/4" x 2" spigot threaded MPT PVC(spacer)	20mm x 45mm Spigot Threaded MPT PVC (Spacer)	Piece
Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
Stainless Steel Woven Wire	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	304 Stainless Steel Woven Wire 80 Mesh 0.18mm Hole	Piece

Put PVC Glue on the PVC Male Adaptor Socket and 39 on the PVC Female Adaptor Socket with the PVC Reducer Bushing Flush Style

Name	Description	Metric Conversion	Unit of Measure
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40 (Series1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVC Reducer Bushing Flush Style - Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
Spring	2"Diameter x 3" Tall - Springs C200-M10-S17	50mm Diameter x 75mm Tall - Springs C200-M10-S17	Piece
PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain- -Trimmed with Stainless Steel Woven Wire	Piece
PVC Spacer	3/4" x 2" spigot threaded MPT PVC(spacer)	20mm x 45mm Spigot Threaded MPT PVC (Spacer)	Piece
Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece
PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece
PVC Pipe Sealant	No. 5 Pipe Thread Sealant Sealant	No. 5 Pipe Thread Sealant Sealant	ml
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
l <u>.</u>			

Place the PVC Female Adaptor Socket 40 with the PVC Reducer Flush Style on top of the PVC Male Adaptor Socket.

Name	Description	Metric Conversion	Unit of Measure
PVC Drain Cover	PVC 3 in. Round Snap-In Floor Drain	PVC 75mm Round Snap-In Floor Drain	Piece
PVC Coupling Socket	3" Sch 40 PVC Coupling - Socket	75mmSch40(Series1000) PVC Coupling - Socket	Piece
Sieve PVC Pipe	3" Schedule 40 PVC Pipe 18" height	7 mm Schedule 40 (Series 1000) PVC Pipe 431 mm height	Piece
PVC Reducer Busing Flush Style	3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spig x Fipt	75mm x 20mm Sch 40 (Series 1000) PVCReducerBushingFlushStyle- Spig x Fipt	Piece
PVC Male Adapter Socket	3" Schedule 40 PVC Male Adapter - MIPT x Socket	75mm Schedule 40 PVC Male Adapter -MIPT x Socket	Piece
Zeolite	Zeolite	Zeolite	
Non Woven Fiber Filter	4" Diameter Non Woven Fiber Filter	101 mm Diameter Non Woven Fiber Filter	Piece
Spring	2" Diameter x 3" Tall - Springs C200-M10-S17	50mm Diameter x 75mm Tall - Springs C200-M10-S17	Piece
PVC Drain Cover - Trimmed with Wire	3"Round Snap-In Floor Drain - Trimmed with Stainless Steel Woven Wire	PVC 75mm Round Snap-In Floor Drain - -Trimmed with Stainless Steel Woven Wire	Piece
PVC Spacer	3/4" x 2" spigot threaded MPT PVC(spacer)	20mm x 45mm Spigot Threaded MPT PVC (Spacer)	Piece
Drain Cover Tube	0.6"long PVC Round Snap in Floor Drain	14 1/2 mm long PVC Round Snap in Floor Drain	Piece
PVC Female Adapter Socket	3" Schedule 40 PVC Female Adapter - Socket x FIPT	75mm Schedule 40 (Series 1000) PVC Female Adapter - Socket x FIPT	Piece

41	Ensure to tightly seal the canister	Name Sieve Canister Assembly	Description Complete and Finished Sieve Assembly	Metric Conversion Complete and Finished Sieve Assembly	Unit of Measure Lot	Belt Wrench	https://www.youtube.com/watch?v=kibjku2GYq0&list=PL4O1RQEiLpHBJ0i1zqe-CZk1p_NTtGI76&index=3
42	Check and measure the gap of the Male and Female Adaptor Socket. Acceptable Gap is 7mm	Name Sieve Canister Assembly	Description Complete and Finished Sieve Assembly	Metric Conversion Complete and Finished Sieve Assembly	Unit of Measure Lot	Caliper	https://www.y outube.com/ watch?v=kibj ku2GYq0&lis t=PL4O1RQ EiLpHBJ0i1z qe- CZk1p_NTtG I76&index=3

Seal the
Sieve
Canister
Tank by
placing
fittings on
each end
of the tank

Name	Description	Metric Conversion	Unit of Measure
Sieve Canister Assembly	Complete and Finished Sieve Assembly	Complete and Finished Sieve Assembly	Lot
PVC Reducer Bushing (T.T)	3/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - Mipt x Fipt	20mm x 10mm Sch 40 (Series 1000) PVC Reducer (T.T.)Bushing - Mipt x Fipt	Piece
3/8" Male Straight Push-in Connect Fittings	3/8" Male NPT to 3/8"Push to Connect - Strait	10mmMale NPT to 10mm Push to Connect - Strait	Piece

https://www.y outube.com/ watch?v=kibj ku2GYq0&lis t=PL4O1RQ EiLpHBJ0i1z qe-CZk1p_NTtG I76&index=3

44 Let it Dry overnight

Name	Description	Metric Conversion	Unit of Measure
Sieve Canister Assembly	Complete and Finished Sieve Assembly	Complete and Finished Sieve Assembly	Lot

Step	Process	Material	Tools	Youtube Link
Steb	110003	Matchai	10013	TOULUBC EITH