



PART LIST

POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1		1	Floating Dome Biodigester	aid_fdb_A1_floating-dome-biodigester.iam			1
A1		1					2
A2		1	Floating dome biodigester	aid_fdb_A2_floating-dome-biodigester.ipn			3
B1			PART LIST				4
B2			PART LIST				5
C1			TECH NOTES				6
C2			TECH NOTES				7
C3			TECH NOTES				8
1.0		1	Large tank	aid_fdb_large-tank.iam			9
1.0		1	Large tank	aid_fdb_large-tank.ipn			10
1.1		1	Large tank	aid_fdb_pvc-large-tank.ipt	Production	1000 lts. Plastic, high-density polythene.(HDPE) water tanks, HDPE	11
1.2		1	Female fitting pvc	aid_fdb_female-fitting-pvc4.ipt	Standard	Female fitting pvc, fitting pvc 4plg, PVC piping	
1.3		1	Female fitting short	aid_fdb_female-fitting-short-pvc4.ipt	Production	Fitting pvc 4 plg, PVC Piping	12
1.4		2	Male fitting	aid_fdb_male-fitting-pvc4.ipt	Standard	Male fitting, fitting pvc 4", PVC piping	
1.5		1	Pvc pipe 4plg x 450	aid_fdb_pvc-pipe4x450.ipt	Production	PVC piping	13
1.6		4	Rubber washers 4plg	aid_fdb_rubber-washers4.ipt	Production	thick 3 mm, Rubber	14
2.0		1	Pvc small tank	aid_fdb_pvc-small-tank.ipt	Production	750 lts. Plastic, high-density polythene.(HDPE) water tanks, HDPE	15
3.0		1	Feedstock Inlet pipe	aid_fdb_feedstock-Inlet-pipe.iam			16
3.0		1	Feedstock Inlet pipe	aid_fdb_feedstock-Inlet-pipe.ipn			17
3.1		1	Pvc tee	aid_fdb_pvc-tee4.ipt	Standard	Pvc tee, D: 4 inch, PVC piping	
3.2		2	Pvc pipe 4" x 150 mm	aid_fdb_pvc-pipe4x150.ipt	Production	PVC piping	18
3.3		1	Male fitting	aid_fdb_male-fitting-pvc4.ipt	Standard	Male fitting, fitting pvc 4", PVC piping	
3.4		1	Pvc plug	aid_fdb_pvc-plug4.ipt	Standard	Pvc plug, fitting pvc 4", PVC piping	
3.5		1	Pvc pipe 4" x 950 mm	aid_fdb_pvc-pipe4x950.ipt	Production	PVC piping	19
3.6		1	Metal funnel	aid_fdb_metal-funnel4.ipt	Production	sheet of scrap metal 115 x 35cm, steel C45	20
4.0		1	Residue outlet	aid_fdb_residue-outlet.iam			21
4.0		1	Residue outlet	aid_fdb_residue-outlet.ipn			22

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
Floating Dome Biodigester		D.MOSQUERA	D. JAEGER	02-06-21	1.0
PART NAME		FILE NAME			PART CODE
PART LIST					B1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL
		 OPEN SOURCE ECOLOGY GERMANY		PART LIST	
Appropriate Infrastructure Development Group				OHO e.V.	
				CC-BY-SA 4.0	SHEET
					4 /40

PART LIST

POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYP	SPECIFICATIONS	SHEET
4.1		1	Pvc pipe 4" x 150 mm	aid_fdb_pvc-pipe4x150.ipt	Production	PVC piping	23
4.2		1	Pvc elbow	aid_fdb_pvc-elbow4.ipt	Standard	Pvc elbow, fitting pvc 4", PVC piping	
4.3		1	Pvc pipe 4" x 250 mm	aid_fdb_pvc-pipe4x250.ipt	Production	PVC piping	24
5.0		1	Limiting structure	aid_fdb_limiting-structure.iam			25
5.0		1	Limiting structure	aid_fdb_limiting-structure.ipn			26
5.1		1	Ring iron	aid_fdb_ring-iron.ipt	Production	Plet iron 25 x 3 mm, Steel C45	27
5.2		4	pipe 1/2" pvc lateral	aid_fdb_pipe-1-2-pvc-lateral.ipt	Production	PVC piping	28
5.3		2	Pipe 1/2 pvc lateral 2	aid_fdb_pipe-1-2-pvc-lateral2.ipt	Production	PVC piping	29
5.4		2	Pipe 1/2 pvc down	aid_fdb_pipe-1-2-pvc-down.ipt	Production	PVC piping	30
5.5		4	Elbow A1 1/2	Elbow A1 1/2	Standard	Elbow A1 1/2, PVC piping	
5.6		4	Flat iron	aid_fdb_flat-iron.ipt	Production	Steel C45	31
5.7		6	Bolt M6 x 25	aid_fdb_bolt-M6x1.ipt	Standard	Bolt M6 x 25, Steel C45	
5.8		6	Nut 6M x 1	aid_fdb_nut-M6.ipt	Standard	Nut 6M x 1, Steel C45	
6.0		1	Gas outlet	aid_fdb_gas-outlet.iam			32
6.0		1	Gas outlet	aid_fdb_gas-outlet.ipn			33
6.1		1	Coupler pvc 1 1/2x3/4	aid_fdb_coupler-pvc1-1-2x3-4.ipt	Standard	Coupler pvc 1 1/2x3/4, PVC piping	
6.2		1	Reducer male female 3/4x1/2	aid_fdb_reducer-male-female-3-4x1-2.ipt	Standard	Reducer male female 3/4x1/2, PVC piping	
6.3		1	Adaptor hose 1/2		Standard	Adaptor hose 1/2, PVC piping	
6.4		3 mts	1/2" Flexible hose	aid_fdb_1-2flexible-hose.ipt	Standard	1/2" Flexible hose, Rubber	
6.5		2	1/2 hose clamp	aid_fdb_1-2hose-clamp.ipt	Standard	1/2 hose clamp	
7.0		1	Gas burner	aid_fdb_gas-burner.iam			34
7.0		1	Gas burner	aid_fdb_gas-burner.ipn			35
7.1		1	Shut off valve 1/2"	aid_fdb_shut-off-valve.ipt	Standard	Shut off valve 1/2", Shut off valve 1/2", Bronce	
7.2		1	Burner plate	aid_fdb_burner-plate.ipt	Production	Steel C45	36
7.3		1	Burner	aid_fdb_burner.ipt	Production	Steel C45	37
7.4		4	Tubular iron D:25x500	aid_fdb_tubular-iron-D25x500.ipt	Production	Piping Iron, ASTM A36	38
7.5		11	Iron bar D:15 x 300	aid_fdb_iron-bar-D15x300.ipt	Production	Iron bar D:15, Steel C45	39
7.6		2	Angle 25 x 25 x 3	aid_fdb_angle25.ipt	Production	rolled steel angle, ASTM A36	40

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Floating Dome Biodigestor		D.MOSQUERA	D. JAEGER	02-06-21	1.0
PART NAME		FILE NAME			PART CODE
PART LIST					B2
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL
		 OPEN SOURCE ECOLOGY GERMANY		PART LIST	
Appropriate Infrastructure Development Group				LICENCE	
		OHO e.V.		CC-BY-SA 4.0	5 /40