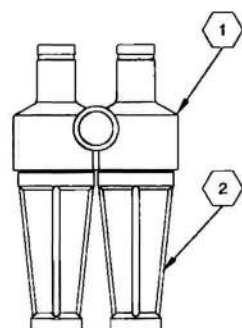
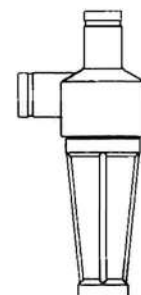


PLAN VIEW



SIDE VIEW



END VIEW

BILL OF MATERIALS			
P/N DBL96-22-220B, UT4 Cone Assy. w/ 3/8" Fixed Apex			
MARK	PART NO.	QUAN	DESCRIPTION
1	DBL96-22-221	1	Feed Section, UT4 Desilter Cone
2	DBL96-22-338	2	Apex With Fixed Orifice, 3/8", UT4 Desilter Cone

BILL OF MATERIALS			
P/N DBL96-22-220A, UT4 Cone Assy. w/ 1/2" Fixed Apex			
MARK	PART NO.	QUAN	DESCRIPTION
1	DBL96-22-221	1	Feed Section, UT4 Desilter Cone
2	DBL96-22-312	2	Apex With Fixed Orifice, 1/2", UT4 Desilter Cone

BILL OF MATERIALS			
P/N DBL96-22-220C, UT4 Cone Assy. w/ 5/8" Fixed Apex			
MARK	PART NO.	QUAN	DESCRIPTION
1	DBL96-22-221	1	Feed Section, UT4 Desilter Cone
2	DBL96-22-358	2	Apex With Fixed Orifice, 5/8", UT4 Desilter Cone

FLOW REQUIREMENTS
150 GPM @ 91 Feet of Head (per Assembly as shown)

Swaco UT4 Cone

CROSS REFERENCE CHART CONES INTERCHANGABLE	
3" DOUBLE LIFE *50 GPM*	5" Double Life *100 GPM*
4" Double Life	5" Harrisburg
4" Harrisburg	5" Rhumba
4" Pioneer	5" Sweco
4" Sweco	5" H Demco
4" Galigher	6" Galigher
4" Totco	
4" Permathane	
4" Rumba	
4" Tri-Flow	
4" Double Life *65 GPM*	10" Double Life *500 GPM*
4" Pioneer	10" Harrisburg
4" Harrisburg	10" Sweco
4" Sweco	10" Rhumba
4" Totco	10" Barold
4" Permathane	10" Galligher
4" Tri-Flow	10" Totco
4" Rhumba	

Double Life Products are not affiliated with the following companies: References are for identification purposes only and are not trademarks or trade names used by or affiliated with Double Life.

* Sweco & Brandt are trademarks of National Oil Well

*Swaco is trademark of M I LLC.

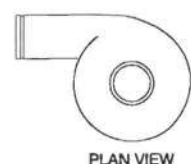
* Demco is trademark of Cooper Cameron

The Double Life Corporation, Inc.

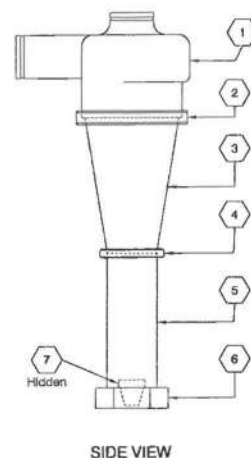


CONES CONES CONES CONES

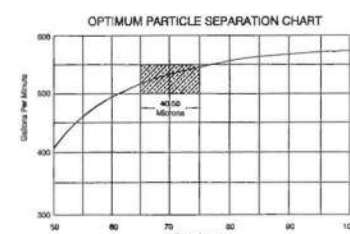




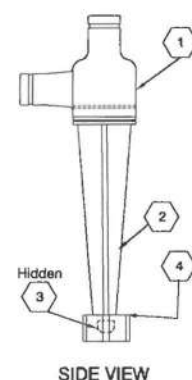
Double Life 10" Cone



DBL 10" CONE PN DL1000			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DL10F1	1	10" Feed Section
2	DL10C2	1	10" Upper Cone Clamp
3	DL10MC3	1	10" Mid-Cone Section
4	DLSSCC2	1	Cone Clamp 5" Slimline
5	DL10LCS	1	10" Lower Cone Body
6	DL10AH7	1	10" Apex Holder
7	DL10A6	1	Apex Valve

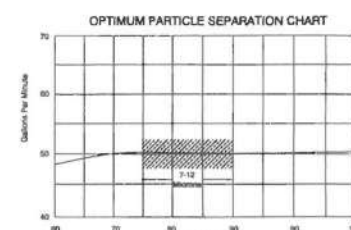


NOTE: Optimum separation is obtained when operating in shaded range.



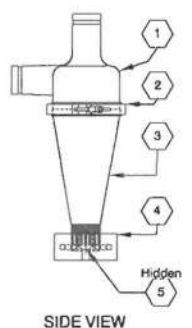
DBL 3" CONE PN DL34C			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DL361	1	3" Inlet
2	DL3SC	1	3" Cone Body
3	DL3AV	1	3" Apex
4	DL3AH1	1	3" Apex Holder

FLOW REQUIREMENTS
50 GPM @ 75 Feet of Head

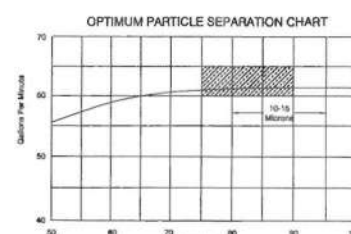


NOTE: Optimum separation is obtained when operating in shaded range.

Double Life 3" Cone

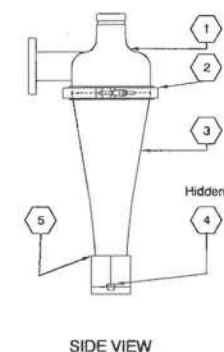


DBL 4" CONE PN DL4100			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DL4F1	1	4" Feed Section
2	DL4CC2	1	4" Cone Clamp
3	DL4C3	1	4" Cone Body
4	DL4SAH7	1	4" Slimline Apex Holder
5	DL4S6S	1	Apex Valve

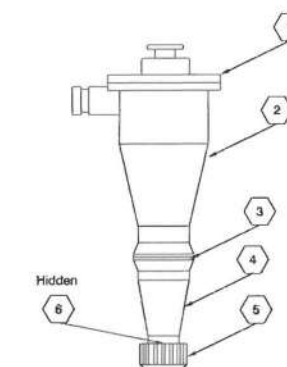


NOTE: Optimum separation is obtained when operating in shaded range.

Sweco 5" Cone

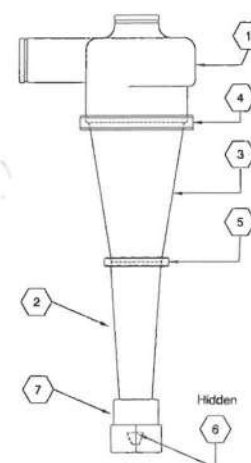
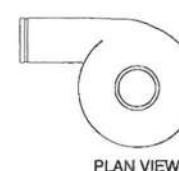


SWECO 5" CONE PN DBLS500			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DBLS1	1	Body, Sweco 5"
2	DBLS2	1	Valve, Apex Sweco 5"
3	DBLS3	1	Valve, Apex Holder Sweco 5"
4	DBLS4	1	Clamp, Sweco 5"
5	DBLS5	1	Feed, Sweco 5"

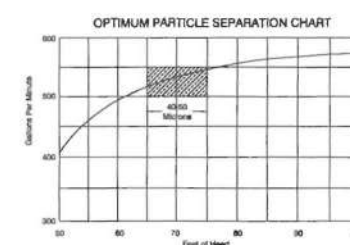


BRANDT 12" CONE PN DLB500			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DLB1	1	Top Flange 12" Brandt
2	DLB2	1	Body 12" Brandt
3	DLB3	1	Clamp 12" Brandt
4	DLB4	1	Cone Apex 12" Brandt
5	DLB5	1	Apex Holder 12" Brandt
6	DLB6	1	Apex
7			Bolt
8			Flatwasher
9			Nut

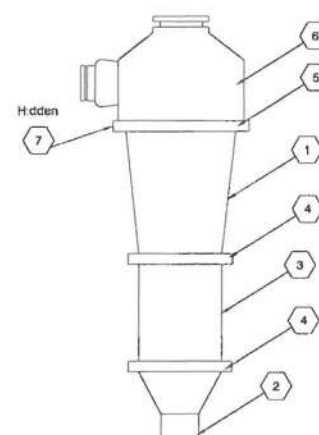
Brandt 12" Cone



HARRISBURG 10" CONE PN DLH1000			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DLH1	1	Feed Section HB 10"
2	DLH2	1	Lower Section HB 10"
3	DLH3	1	Middle Section HB 10"
4	DLH4	1	Clamp (Large)
5	DLH5	1	Clamp (Small)
6	DLH6	1	Orifice
7	DLH7	1	Orifice Controller

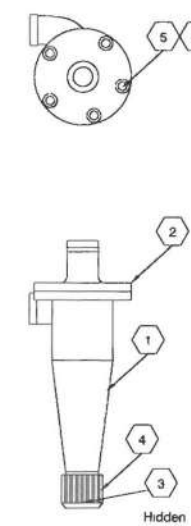


NOTE: Optimum separation is obtained when operating in shaded range.



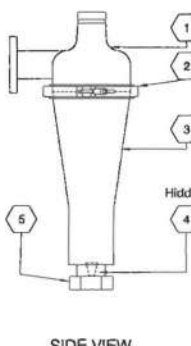
Swaco 12" Cone

SWACO 12" CONE PN DLS500			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DLS1	1	Body, Swaco 12"
2	DLS2	1	Valve, Apex Swaco 12"
3	DLS3	1	Body, Middle Swaco 12"
4	DLS4	1	Clamp, (Small) Swaco 12"
5	DLS5	1	Clamp, (Large)
6	DLS6	1	Feed, Swaco 12"
7	DLS7		Gasket, Foam Swaco 12"

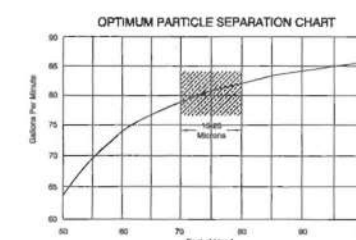


BRANDT 4" CONE PN 4BC16			
MARK	PART NO.	QUAN.	DESCRIPTION
1	4BB4	1	Body 4" Brandt
2	4BTF1	1	Top Flange 4" Brandt
3	4BA5	1	Apex Valve 4" Brandt
4	4BAD6	1	Nut 4" Brandt
5	BQ3FS2081300028	5	Bolt
6	N1805208130000D	5	Nut

Brandt 4" Cone

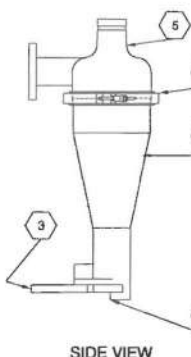


HARRISBURG 5" CONE PN DLH500			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DS5SF1	1	5" HB Feed Section
2	DLSSCC2	1	5" Cone Clamp
3	DLSC3	1	5" HB Cone Body
4	DL5HA5	1	5" Apex Valve
5	DL5HAH	1	5" Apex Holder



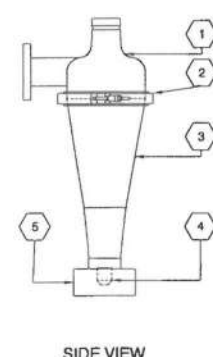
NOTE: Optimum separation is obtained when operating in shaded range.

Harrisburg 5" Cone

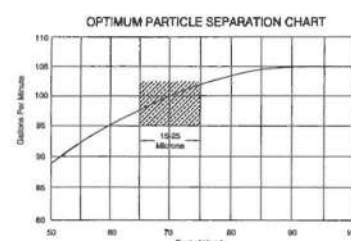


DEMCO STYLE H 4" CONE PN 14583-001			
MARK	PART NO.	QUAN.	DESCRIPTION
1	61001	1	Washer, Wave
2	66002	1	Bushing, Bronze
3	64012	1	Orifice Plate
4	14629	1	Clamp, Style H 4"
5	14510	1	Feed, Style H 4"
6	614511	1	Body, Cone Style H 4"
7		1	Bolt
8		1	Flatwasher

Demco Style H 4" Cone

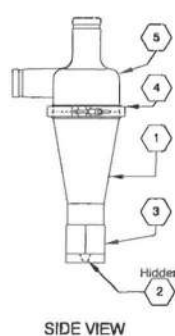


DBL 5" CONE PN DLS500			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DS5SF1	1	5" Slimline Feed Section
2	DLSSCC2	1	5" Cone Clamp
3	DLSSC3	1	5" Slimline Cone Body
4	DL4585	1	5" Apex Valve
5	DL45AH7	1	5" Apex Holder



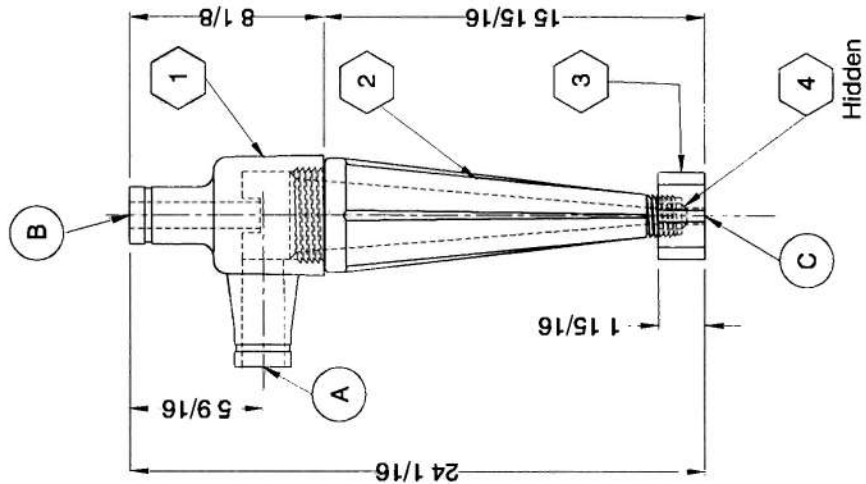
NOTE: Optimum separation is obtained when operating in shaded range.

Double Life 5" Cone



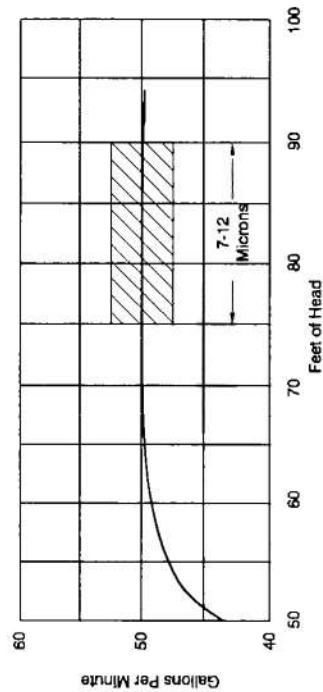
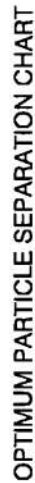
SWECO 4" CONE PN DBLS400			
MARK	PART NO.	QUAN.	DESCRIPTION
1	DBLS10	1	Body, Sweco 4"
2	DBLS20	1	Valve, Apex Sweco 4"
3	DBLS30	1	Valve, Apex Holder Sweco 4"
4	DBLS40	1	Clamp, Sweco 4"
5	DBLS50	1	Feed, Sweco 4"

Sweco 4" Cone



Hidden

PORT SCHEDULE		
MARK	DESCRIPTION	Size
A	Inlet	2" Groove
B	Discharge	2" Groove
C	Underflow	



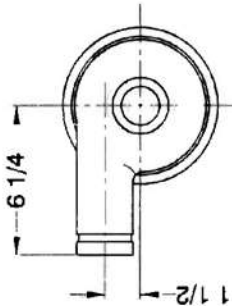
NOTE: Optimum separation is obtained when operating in shaded range

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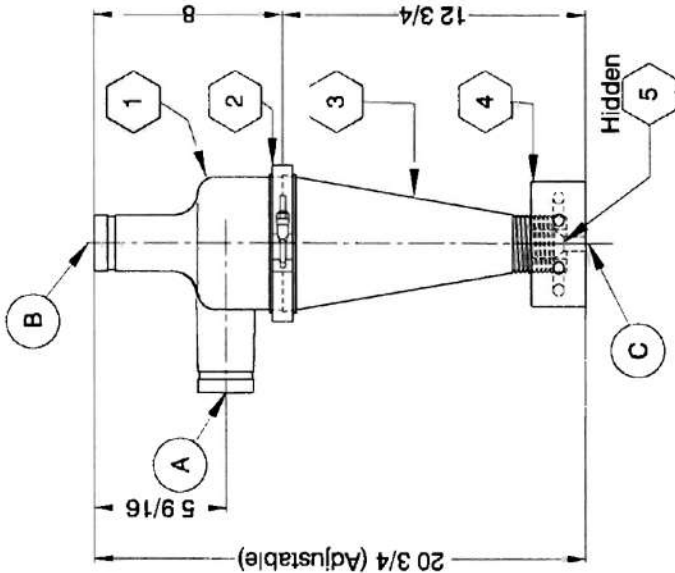
BILL OF MATERIALS

MARK	PART NO.	QUAN.	DESCRIPTION	LENGTH	WIDTH	WEIGHT
1	DL4F1	1	4" Feed Section			4.00
2	DL4CC2	1	4" Cone Clamp			1.00
3	DL4C3	1	4" Cone Body			3.00
4	DL4SAH7	1	4" Slimline Apex Holder			1.00
5	DL4585	1	Apex Valve			0.05
TOTAL WEIGHT						9.05

Port Schedule		
MARK	DESCRIPTION	Size
A	Inlet	2" Groove
B	Discharge	2" Groove
C	Underflow	Adjustable

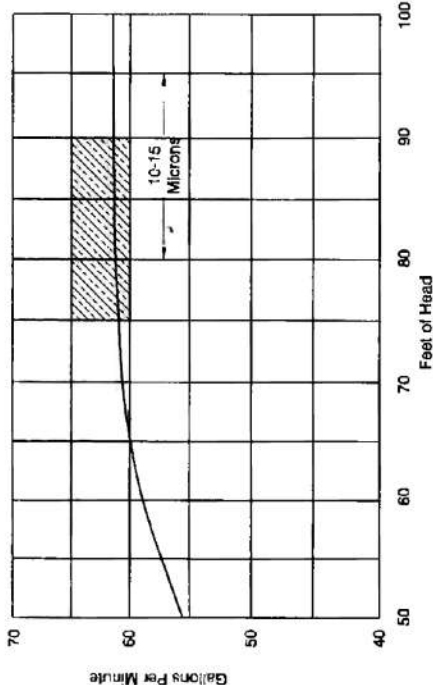


PLAN VIEW



SIDE VIEW

OPTIMUM PARTICLE SEPARATION CHART



NOTE: Optimum separation is obtained when operating in shaded range.

		NOTES		REVISIONS	
1. All dimensions are in inches unless otherwise noted.		NO.	ZONE	DESCRIPTION	BY
		1	All	Corrected P/N @ Title Block	DH
		2		Corrected Spelling @ Chart Note.	DH
		3	All	Graph	MW
		4	All	General Revision	DH

PART NO.		DL4100		REV. NO.		1/1	
QUANTITY		1		REV. NO.		4	
DATE		99-00898		REV. NO.		A	
TITLE		DOUBLE LIFE 4" CONE ASSEMBLY		REV. NO.		1	



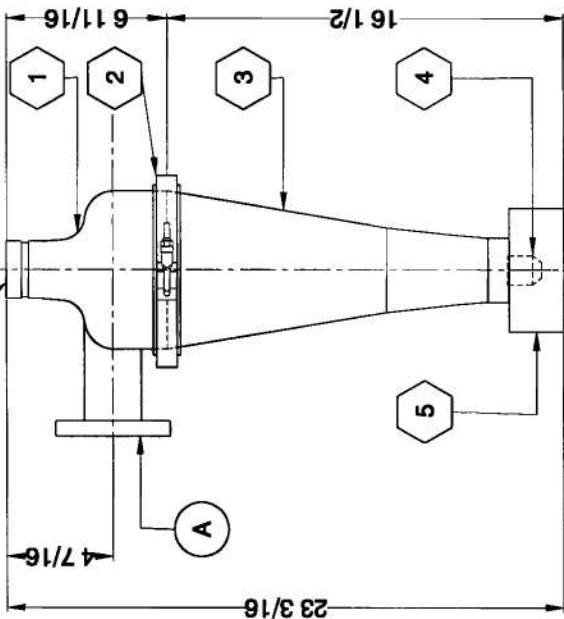
DoubleLife

CORPORATION

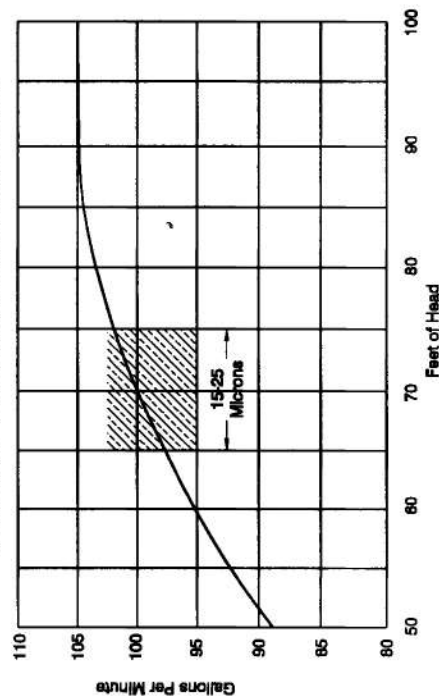
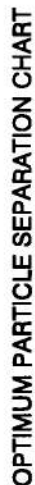
CUSTOMER DRAWING
INSTALLATION DRAWING & PARTS LISTING

DOUBLE LIFE 4" CONE ASSEMBLY

The information contained herein is proprietary and may not be copied or transmitted to another party without the written consent of the owner, THE DOUBLE LIFE CORP., INC.

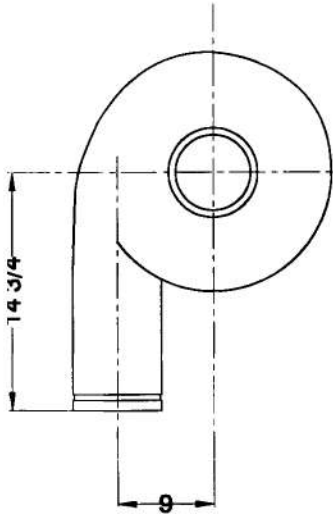


PORT SCHEDULE		
MARK	DESCRIPTION	Size
A	Inlet	2" Nominal Opening w/ 1-1/4" 125# Flange
B	Discharge	2" Groove
C	Underflow	Adjustable

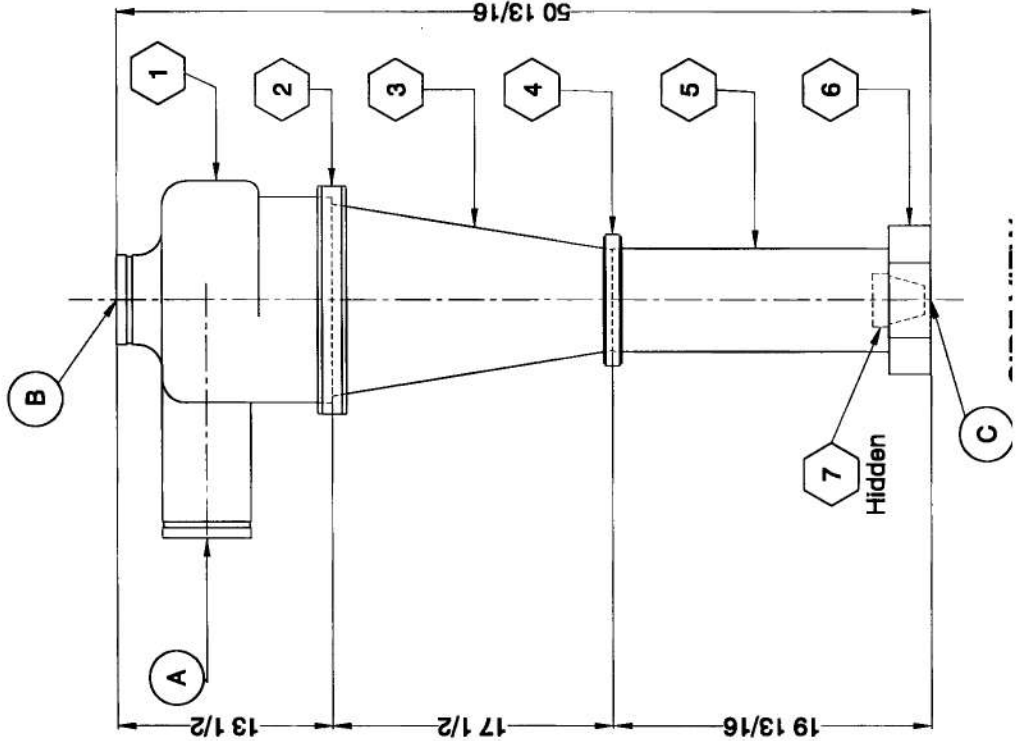


NOTE: Optimum separation is obtained when operating in shaded range.

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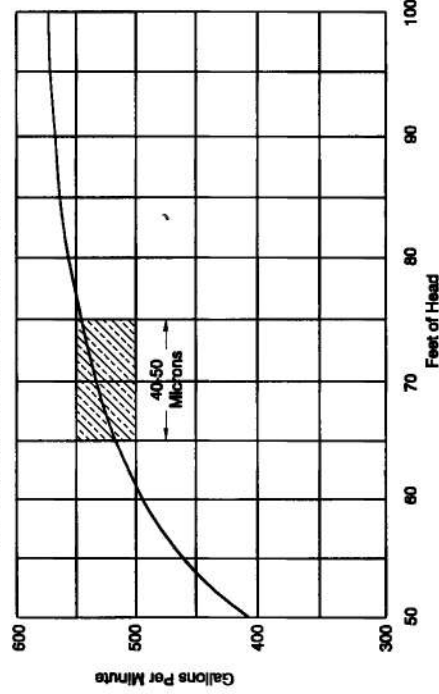
PLAN VIEW



BILL OF MATERIALS					
MARK	PART NO.	QUAN.	DESCRIPTION	LENGTH	WIDTH
1	DL10F1	1	10" Feed Section		39.00
2	DL10C2	1	10" Upper Cone Clamp		3.50
3	DL10MC3	1	10" Mid-Cone Section		19.50
4	DLSCC2	1	Cone Clamp 5" Slimline		1.50
5	DL10LC5	1	10" Lower Cone Body		17.50
6	DL10AH7	1	10" Apex Holder		3.50
7	DL10A6	1	Apex Valve		1.00
TOTAL WEIGHT					85.00

PORT SCHEDULE		
MARK	DESCRIPTION	Size
A	Inlet	5" Groove
B	Discharge	5" Groove
C	Underflow	Adjustable

OPTIMUM PARTICLE SEPARATION CHART

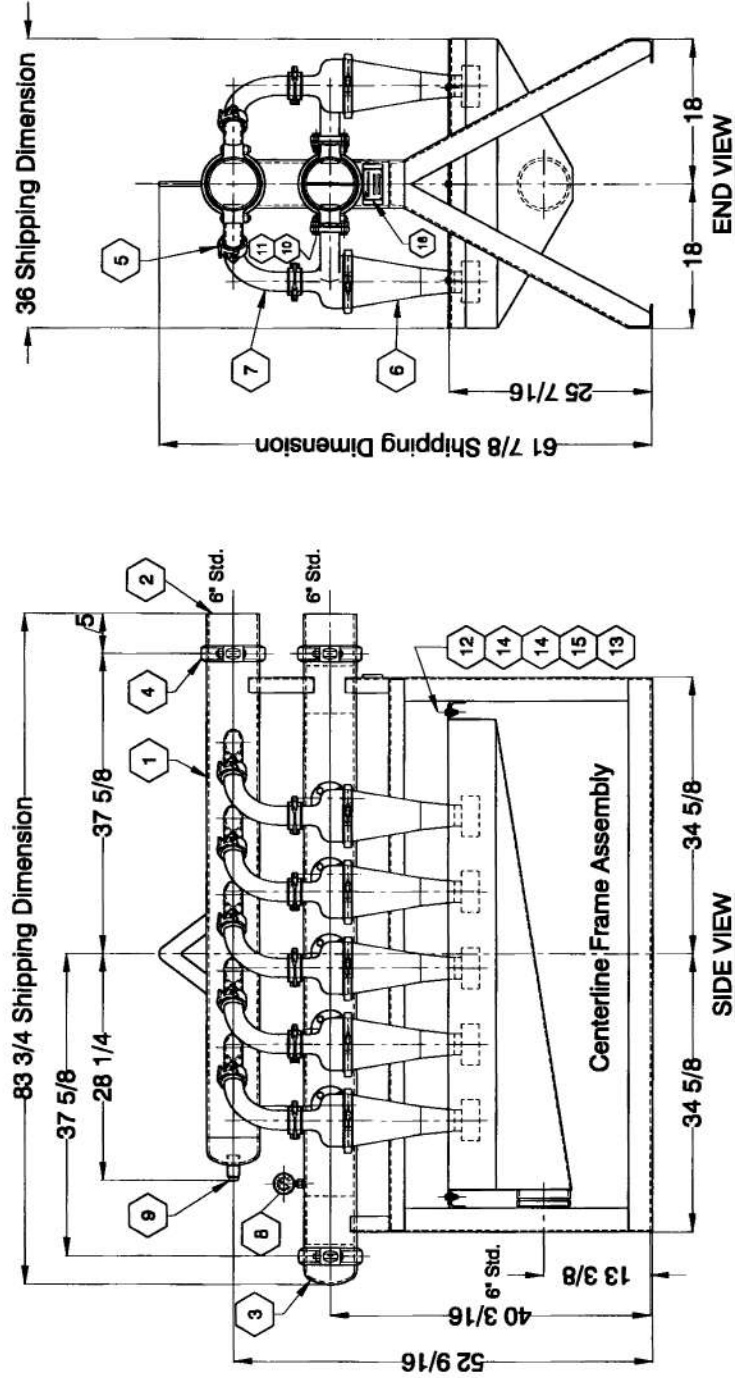


NOTE: Optimum separation is obtained when operating in shaded range.

REVISIONS			
DATE	BY	DESCRIPTION	NO.
01/25/99	DH	Gen Revision	1
03/17/99	MW	Item 4	2
NOTES			
1. All dimensions are in inches unless otherwise noted.			
NOTICE			
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TITLE CUSTOMER DRAWING INSTALLATION DRAWING & PARTS LISTING DOUBLE LIFE 10" CONE ASSEMBLY			
PART NO.	DL1000	QUANTITY	1
REV. NO.	1/1	DATE	9/22/98
BY	MW	SCALE	NTS
CHECKED		REVISION	2
DATE		BY	A
			1

PARTS LIST									
MARK	PART NO.	QUAN.	DESCRIPTION	WEIGHT	MARK	PART NO.	QUAN.	DESCRIPTION	WEIGHT
1	65130-M	1	Desitter Manifold	645.14	9	68031	1	Plug, Clean-Out Port	0.25
2	68052	2	Adapter Nipple	15.81	10	B03F520813000382	40	Capscrew, 1/2"	5.74
3	680020-M	1	End Cap, Grooved	7.00	11	N190520813000000	40	Hex Nut, 1/2"	1.50
4	68012	3	6" Coupling	20.10	12	B03F520616000020	6	Capscrew, 3/8"	0.29
5	68002	20	2" Coupling	30.00	13	N190520616000000	6	Hex Nut, 3/8"	0.10
6	DLS500	10	5" Slimline Cone Assembly	140.50	14	W010521607060000	12	Flatwasher, 3/8"	0.18
7	DBL100	10	2", 90° Disch. Elbow	12.50	15	L030520000060000	6	Lockwasher, 3/8"	0.04
8	DBLFG100	1	Gauge, 0-60	0.50	16	0062	1	Nameplate	0.10
							TOTAL WEIGHT		879.75

1000 gpm @ 70 Feet of Head

[illegible]

PARTS LISTING

PARTS LISTING									
MARK	PART NO.	QUAN.	DESCRIPTION	WEIGHT	MARK	PART NO.	QUAN.	DESCRIPTION	WEIGHT
1	65000-M	1	V-480 Manifold	481.88	8	DBLFG100	1	Gauge	0.50
2	DL4100	8	4" Cone Assembly	72.00	9	68031	1	Plug	0.19
3	DBL100	8	2" Discharge Elbow	8.34	10	B03FS20616000016	6	Capscrew	0.28
4	68002	24	2" Coupling	36.00	11	N190520616000000	6	Hex Nut	0.22
5	68012	3	6" Coupling	27.00	12	W0105216076000	12	Flatwasher	0.16
6	68052	2	6" Adapter Nipple	15.81	13	L030520000006000	6	Lockwasher	0.09
7	68020-M	1	6" Grooved Cap	7.00	13	0062	1	Nameplate	0.10
TOTAL WEIGHT (Lbs.):									649.52

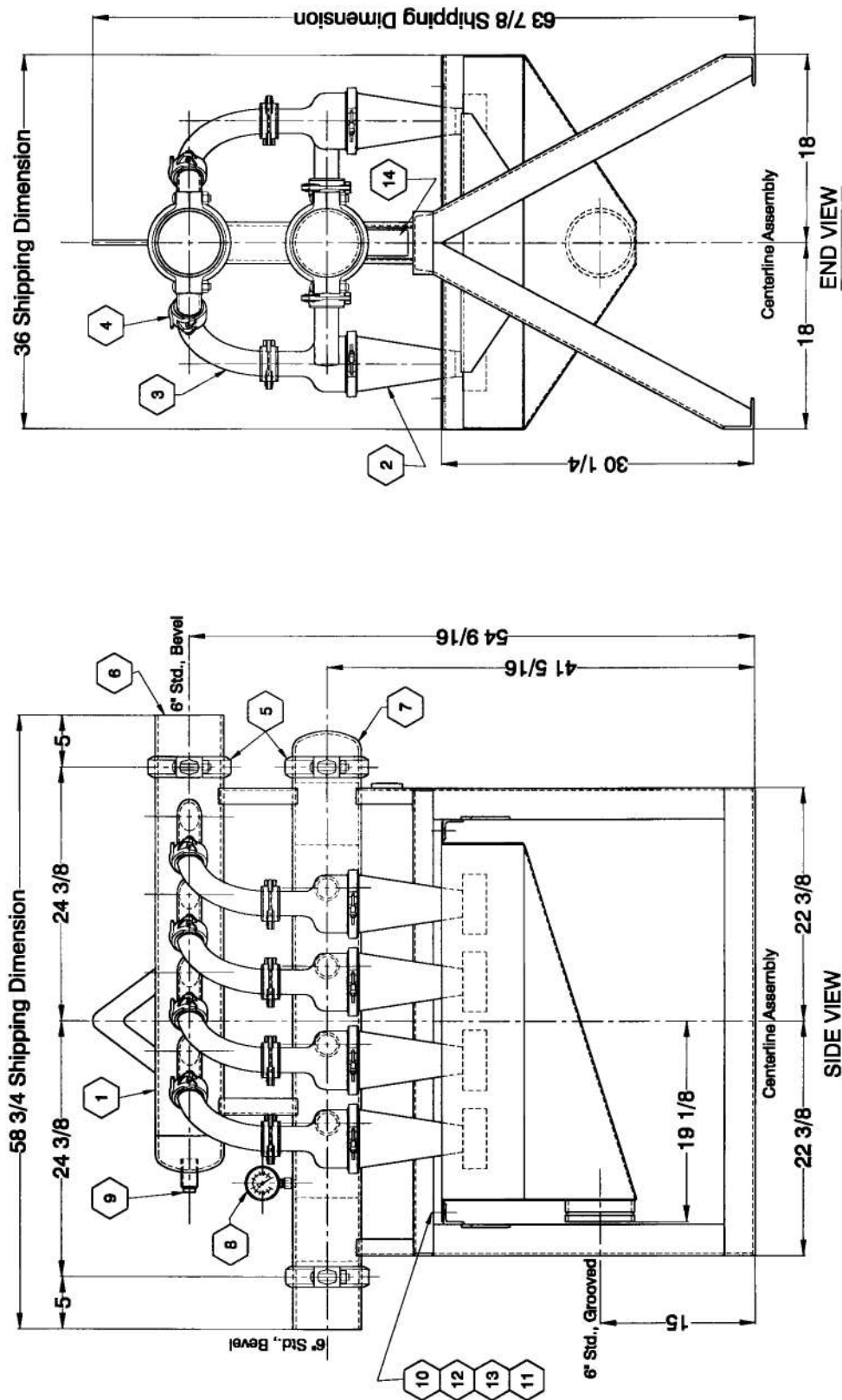
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NOTICE
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INSTALLATION DRAWING & PARTS LISTING

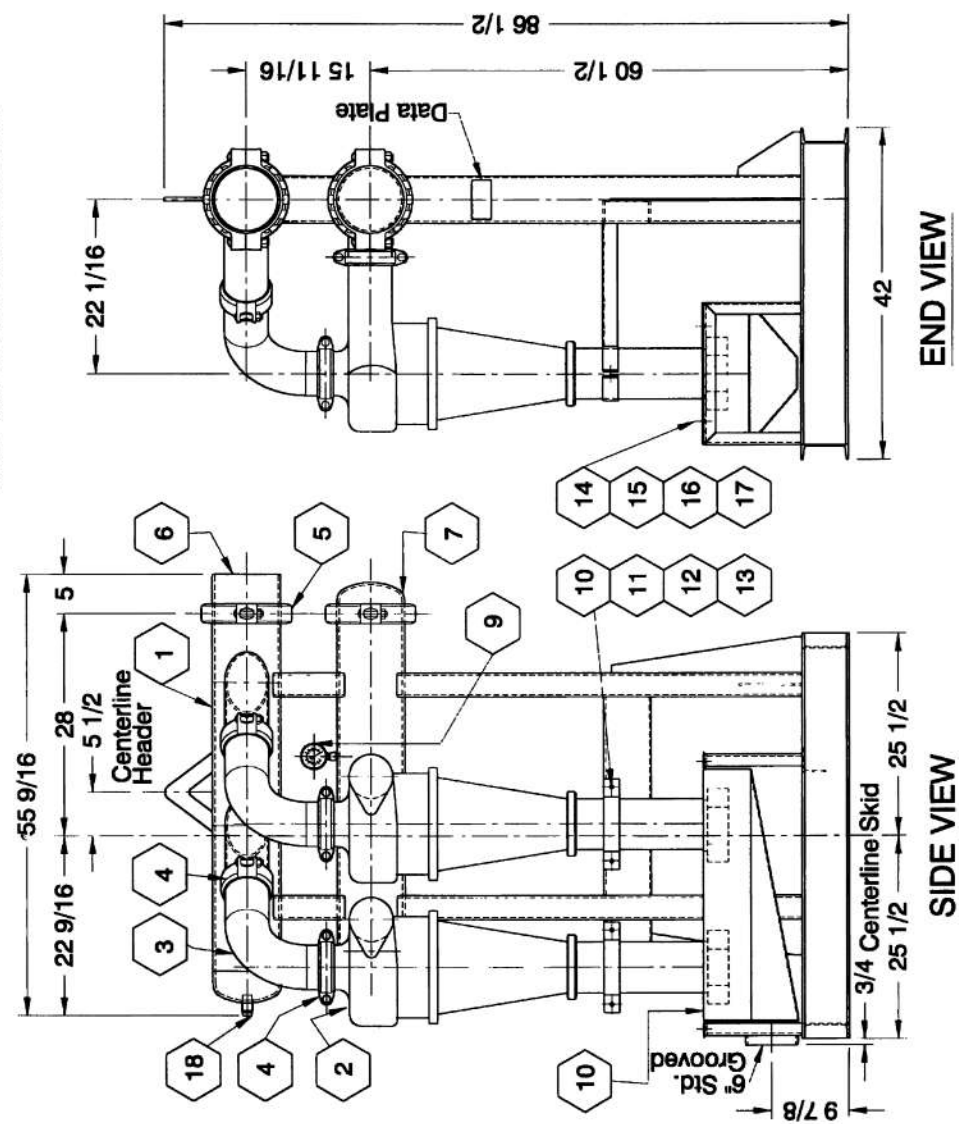
PART NO.	DRAWN BY	DATE	SCALE	
65000	JDH	5/4/01	NTS	
1/1	99-00430	DRAWING NO.	REV. NO.	SIZE
			0	A
				1



PARTS LIST				
MARK	PART NO.	QUAN.	DESCRIPTION	UNIT WGT.
1	69040-M	1	V-210 Desander Manifold	853.65
2	DL1000	2	Double Life 10" Cone Assembly	198.00
3	DL10LRE	2	Double Life Discharge Elbow, 5"	57.30
4	68014	6	Coupling, Victaulic Style 75, 5"	33.00
5	68017	3	Coupling, Victaulic Style 75, 8"	37.50
6	68053	2	Pipe Nipple, 8" Std. (Grv. x Bev.) x 5' Long	11.90
7	68034-M	1	Cap, 8" Std. (Sp. Grv.)	12.00
8*	F245	1	Underflow Pan	101.10
9	DBLFG100	1	Pressure Gauge, 0-60	0.50
				TOTAL WEIGHT (Lbs.):
				1219.92

* Part of Item 1. Shown as Replacement Item.

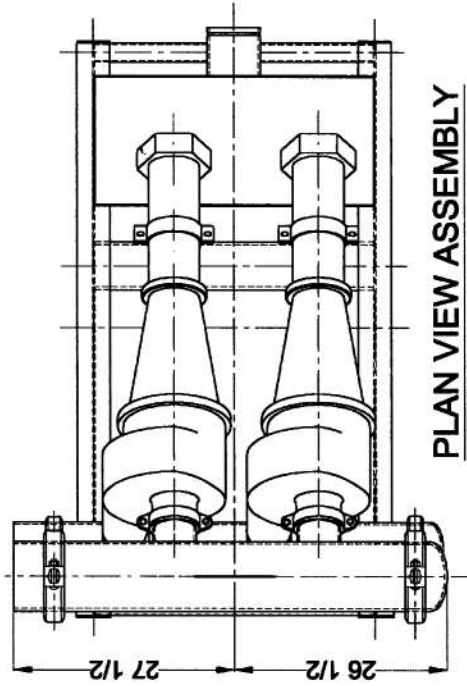
CAPACITY: 1,050 gpm @ 70 Feet of Head
3,974 lpm @ 21.34 Meters of Head



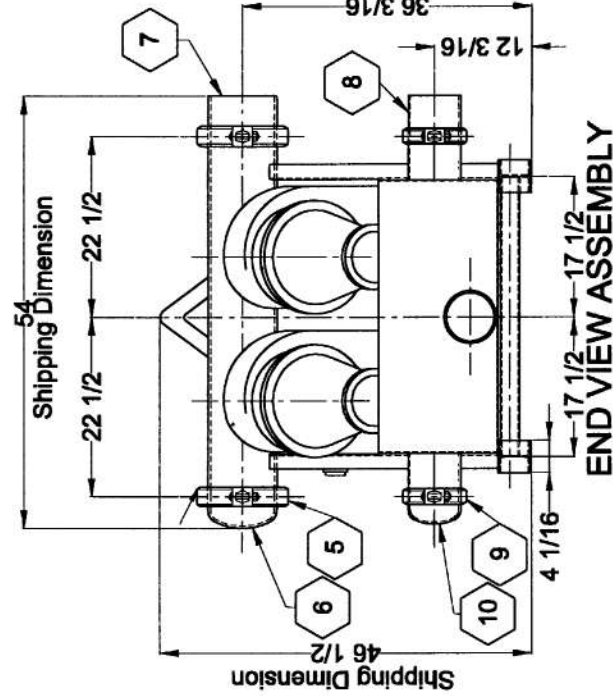
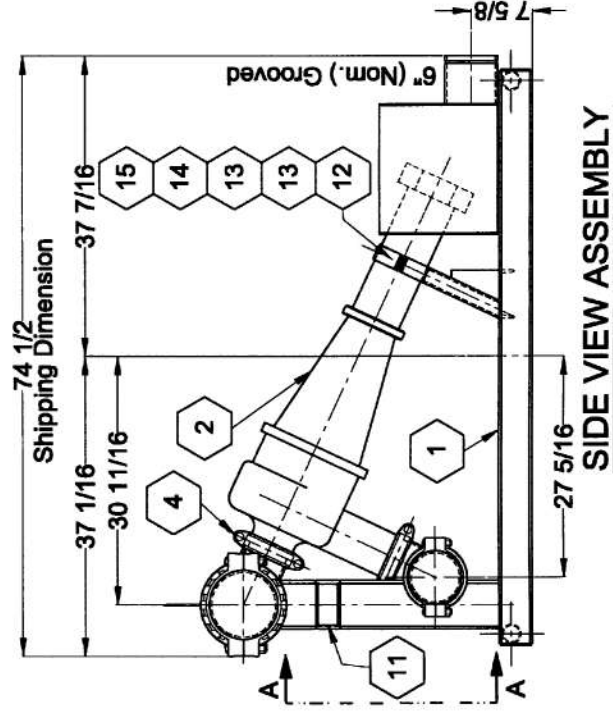
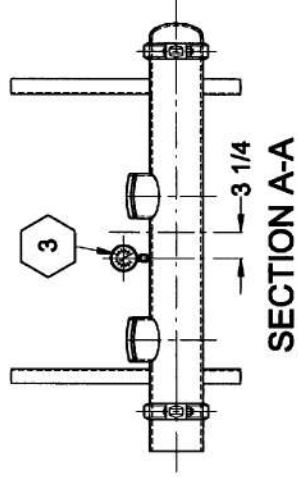
REVISIONS				NOTES				NOTICE				The information contained herein is proprietary and may not be copied or transmitted to another party without the written consent of the owner, THE DOUBLE LIFE CORP., INC.				 DoubleLife CORPORATION				CUSTOMER DRAWING INSTALLATION DRAWING & PARTS LISTING MODEL NO. V-210 DESANDER				TITLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DATE				1. All dimensions are in inches unless otherwise noted.				2. Ref. Dwg. No. 27-00235 for Assembly.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

BILL OF MATERIALS

MARK	PART NO.	QUAN.	DESCRIPTION	LENGTH	WIDTH	WEIGHT	MARK	PART NO.	QUAN.	DESCRIPTION	LENGTH	WIDTH	WEIGHT
1	68001-M	1	I-210 Desander Manifold			559.23	8	68052	1	Nipple, Std., GRV x Bevel, 6"			7.90
2	DL1000	2	10" Cone Assembly			172.00	9	68012	2	Clamp 6"			13.40
3	DBLFG100	1	Pressure Gauge, 0-60 psi			0.50	10	68017	2	Cap, 6", GRV			7.00
4	68014	4	Clamp 5"			22.00	11	0062	1	Nameplate			0.10
5	68017	2	Clamp 8"			25.00	12	B03F52081300032	4	Capcrew, 1/2" x 2"			0.60
6	68021	1	Cap, 6" GRV.			12.00	13	W0105217098000	8	Flatwasher, 1/2"			0.08
7	68053	1	Nipple, Std., GRV x Bevel, 8"			11.90	14	L03F520000080000	4	Lockwasher, 1/2"			0.08
							15	N19052081300000	4	Hex Nut, 1/2"			0.16
											TOTAL WEIGHT		831.95



CAPACITY: 1,050 gpm @ 70 Feet of Head
3,974 lpm @ 21.34 Meters of Head



REVISIONS				NOTES			
DATE	BY	DESCRIPTION	ZONE	NO.	1.	All dimensions are in inches unless otherwise noted.	
1-11-99	MW	+Parts listing	ALL	1			
01/25/99	DH	Gen Revision	ALL	3			
8/2/00	DH	General Revision	ALL	4			
3-11-03	MW	GEN	ALL	5			

NOTICE

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DoubleLife

CUSTOMER DRAWING
INSTALLATION DRAWING & PARTS LISTING

MODEL NO. I-210 DESANDER

PART NO.	68001	FORMA-EPICURE	SCALE	NTS
DATE	1/1	REV. NO.	5	A
BY	1/1	REV. NO.	5	A

P/N DBL96-22-220B, UT4 Cone Assy. w/ 3/8" Fixed Apex

MARK	PART NO.	QUAN	DESCRIPTION	WEIGHT
1	DBL96-22-221	1	Feed Section, UT4 Desiliter Cone	8.00
2	DBL96-22-338	2	Apex With Fixed Orifices, 3/8", UT4 Desiliter Cone	5.50
TOTAL WEIGHT				11.50

P/N DBL96-22-220A, UT4 Cone Assy. w/ 1/2" Fixed Apex

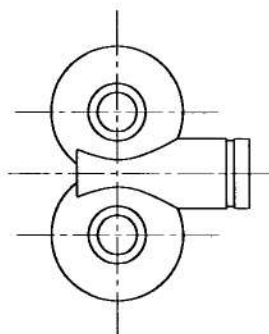
MARK	PART NO.	QUAN	DESCRIPTION	WEIGHT
1	DLB98-22-221	1	Feed Section, UT4 Dealtler Cone	6.00
2	DLB98-22-312	2	Apex With Fixed Orifices, 1/2", UT4 Dealtler Cone	5.50
TOTAL WEIGHT				11.50

P/N DBL96-22-220C, UT4 Cone Assy. w/ 5/8" Fixed Apex

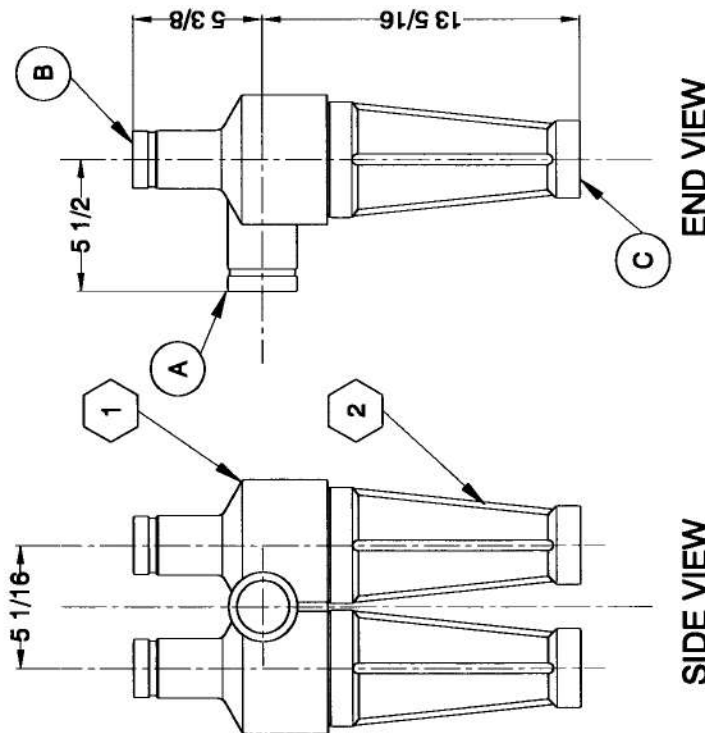
MARK	PART NO.	QUAN.	DESCRIPTION	WEIGHT
1	DBL96-22-221	1	Feed Section, UT4 Dealtier Cone	6.00
2	DBL96-22-368	2	Apex With Fixed Orifice, 5/8", UT4 Dealtier Cone	5.50
TOTAL WEIGHT				11.50

MARK	DESCRIPTION	Size
A	Inlet	2" Grooved
B	Discharge (Overflow)	2" Grooved
C	Underflow (See Cone P/N)	3/8", 1/2", 5/8"

150 GPM @ 9' Feet of Head (per Assembly as shown)



PLAN VIEW



SIDE VIEW

END VIEW

[illegible]