

ALL UNSPECIFIED TOLERANCES $\pm 0.25"$.

COVER ALL ROUGH AREA ON PRODUCT WITH PROTECTIVE MATERIAL.

BILL OF MATERIALS		*NOT SHOWN IN DRAWING	
PART#	Q.P.A.	DESCRIPTION	MATERIAL
PL-04000	A.R.	AEGISS-14 FILM	-
TB-01062	1.00	BAG PORT WITH 1/4" BARB	LLDPE
CN-01172	3.00	BAG PORT WITH 1/8" BARB	LLDPE
CN-01237	1.00	BAG PORT WITH 3/4" BARB	LLDPE
CN-01238	3.00	BAG PORT WITH 1" BARB	LLDPE
CN-01770	1.00	4" TRI-CLOVER FACE PORT	LLDPE
CN-01773	1.00	SPRAY PORT WITH 1/2" BARB	LLDPE
CN-01902	1.00	LARGE ROLLING DIAPHRAGM WITH LIP	TPE
CN-01632	A.R.	LARGE SILICONE SHAFT GASKET	SILICONE
CN-01771	1.00	4" TRI-CLOVER GASKET	SILICONE
CP-01204	1.00	4" TRI-CLOVER CLEAR CAP	PC
CL-01093	1.00	S.S. SNAP RING LARGE	SS
CL-01095	1.00	DETIKER PG168 CLAMP	SS
CL-01096	36.00	FEMALE RIVET	PEI
CL-01097	6.00	ROUND HEAD MALE RIVET	PEI
CL-01105	1.00	4" TRI-CLOVER CLAMP	NYL
CL-01109	30.00	HEX HEAD MALE RIVET	PEI
MS-01554-0250	6.00	EDGE GUARD	PP
MS-01556-1000	1.00	1000 LITER MIXER HEAD	SS
MS-01559-1000	6.00	1000 LITER MIXER FLAP	SILICONE
MS-01662	1.00	SHORT MIXER SHAFT, 8" STROKE	PP

REV	DATE
A	08-19-20

DESCRIPTION
INITIAL RELEASE.

thermo
scientific

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CUSTOMER		APPROVALS	DATE
TITLE		DRAWN BY	
1000 LITER IMPULSE BPC		MMH	08-19-20
SHEET		CHECKED BY	
1 OF 3		AJS	08-19-20
SCALE	DRAWING NO.	REVISION	CUSTOMER
NTS	HM00463-I	A	

1000L MIX BAG
(SEE SHEET 1)

FRONT VIEW

100ML BAG
SEE DETAIL C
(2X)

P1 P2 P3

CN-01149
CN-01268
CP-01114
TB-03043
(18 IN.)
CL-01011

P4

P5

TB-01205-UL
(36 IN.)

CN-01186 (3X)
CN-03060 (3X)
CP-01078 (3X)
CL-03000 (3X)

CN-01196
CP-01063

CN-01185
CN-01223
CP-01058
CL-01050

CN-01368
CP-01121

TB-03074 (12 IN.)
TB-01092-UL (12 IN.)
TB-03002-UL (12 IN.)

TB-01205-UL
(12 IN.)

P6 P7 P8 P9 P10

P11

BACK VIEW

DETAIL C
100ML BAG (2X)

TO CN-01172 AT P1/P2
ON 1000L BAG

TB-03043 (12 IN.)

CP-01042
CN-01268

CP-01062
CN-01037
CL-01011

BG-01112

TB-03043 (3 IN.) (3X)

CN-01264

P12 P13

4.06

5.08

BILL OF MATERIALS

*NOT SHOWN IN DRAWING

PART#	Q.P.A.	DESCRIPTION	MATERIAL
-	1.00	1000L MIX BAG (SEE SHEET 1)	-
BG-01112	2.00	100ML LABTAINER W/ (2) 5/32" BARBS (AEGIS5-14)	-
TB-01092-UL	1.00 FT.	1/2" I.D. X 3/4" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-01205-UL	5.00 FT.	1" I.D. X 1 3/8" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-03002-UL	1.00 FT.	3/4" I.D. X 1" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-03043	5.00 FT.	1/8" I.D. X 1/4" O.D. C-FLEX 374 TUBING	C-FLEX 374
TB-03074	1.00 FT.	1/4" I.D. X 7/16" O.D. C-FLEX 374 TUBING	C-FLEX 374
CN-01037	2.00	MALE LUER WITH 1/8" BARB	PP
CN-01149	1.00	SWABABLE VALVE	PC
CN-01185	1.00	3/4" MINI TRI-CLOVER GASKET	SILICONE
CN-01186	3.00	1 1/2" TRI-CLOVER GASKET	SILICONE
CN-01196	1.00	FEMALE MPC CONNECTOR WITH 1/4" BARB	PSF
CN-01223	1.00	3/4" MINI TRI-CLOVER WITH 3/4" BARB	PP
CN-01264	2.00	1/8" "Y" CONNECTOR	PP
CN-01268	3.00	FEMALE LUER WITH 1/8" BARB	PP
CN-01368	1.00	FEMALE MPX CONNECTOR WITH 1/2" BARB WITH LOCK	PSF
CN-03060	3.00	1" TRI-CLOVER WITH 1" BARB	PP
CP-01042	2.00	MALE LUER PLUG	PP
CP-01058	1.00	3/4" MINI TRI-CLOVER CAP	PP
CP-01062	2.00	FEMALE LUER CAP	PP
CP-01063	1.00	MALE MPC PLUG	PSF
CP-01078	3.00	1 1/2" TRI-CLOVER CAP	PP
CP-01114	1.00	MALE LUER CAP WITHOUT STEM	LDPE
CP-01121	1.00	MALE MPX PLUG	PSF
CL-01011	3.00	SMALL PINCH CLAMP	PP
CL-01050	1.00	3/4" MINI TRI-CLOVER CLAMP	NYL
CL-01057	2.00	DETIKER CLAMP 27.1	SS
CL-01060	3.00	DETIKER CLAMP 37.6	SS
CL-01065	3.00	DETIKER CLAMP 39.6	SS
CL-03000	3.00	1 1/2" TRI-CLOVER CLAMP	NYL

REV
DATE

A
08-19-20

DESCRIPTION

INITIAL RELEASE.

INSTALL A CL-01015 CABLE TIE AT TB-03043 CONNECTIONS.
INSTALL A CL-01009 CABLE TIE AT TB-03074 CONNECTIONS.
INSTALL TWO CL-01009 CABLE TIES AT P8 CONNECTIONS.
INSTALL A CL-01057 DETIKER CLAMP AT P6 CONNECTIONS.
INSTALL A CL-01060 DETIKER CLAMP AT CN-01238 CONNECTIONS.
INSTALL A CL-01065 DETIKER CLAMP AT CN-03060 CONNECTIONS.

COVER P3, P4, P6, P7, P8, P9, AND P10 ENDS WITH A POLY BAG.

COVER ALL ROUGH AREA ON PRODUCT WITH PROTECTIVE MATERIAL.

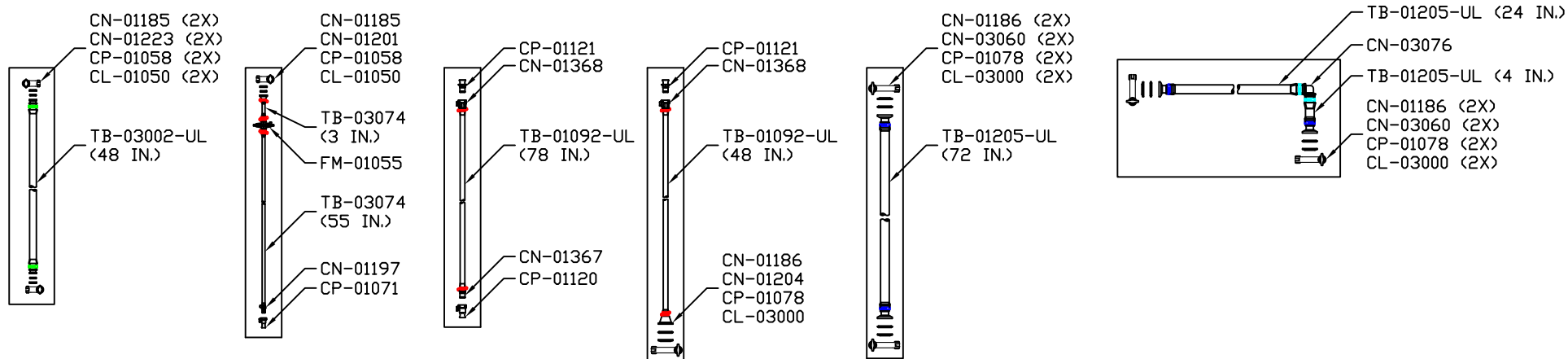
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CUSTOMER	APPROVALS	DATE
TITLE 1000 LITER IMPULSE BPC	DRAWN BY MHM	08-19-20
SHEET 2 OF 3	CHECKED BY AJS	08-19-20
SCALE NTS	DRAWING NO. HM00463-I	REVISION A
CUSTOMER		

SEAL ASSEMBLIES IN A SEPARATE POLY BAG AND PACK WITH 1000L BAG



INSTALL A CL-01009 CABLE TIE AT CN-01197 CONNECTIONS.
 INSTALL TWO CL-01009 CABLE TIES AT TB-01092-UL, FM-01055,
 AND CN-01201 CONNECTIONS.
 INSTALL A CL-01057 DETIKER CLAMP AT TB-03002-UL
 CONNECTIONS.
 INSTALL A CL-01060 DETIKER CLAMP AT CN-03076 CONNECTIONS.
 INSTALL A CL-01065 DETIKER CLAMP AT CN-03060 CONNECTIONS.

COVER EACH TUBING END WITH A POLY BAG.

COVER ALL ROUGH AREA ON PRODUCT WITH PROTECTIVE MATERIAL.

EACH FINISHED PRODUCT WILL BE PACKED IN TWO 4 MIL. POLY BAGS AND GAMMA IRRADIATED. PLACE LABEL ON INNER POLY BAG.

BILL OF MATERIALS		*NOT SHOWN IN DRAWING	
PART#	Q.P.A.	DESCRIPTION	MATERIAL
TB-01092-UL	10.50 FT.	1/2" I.D. X 3/4" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-01205-UL	8.33 FT.	1" I.D. X 1 3/8" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-03002-UL	4.00 FT.	3/4" I.D. X 1" O.D. SANI-TECH ULTRA 50 TUBING	SILICONE
TB-03074	4.83 FT.	1/4" I.D. X 7/16" O.D. C-FLEX 374 TUBING	C-FLEX 374
CN-01185	3.00	3/4" MINI TRI-CLOVER GASKET	SILICONE
CN-01186	5.00	1 1/2" TRI-CLOVER GASKET	SILICONE
CN-01197	1.00	MALE MPC CONNECTOR WITH 1/4" BARB	PSF
CN-01201	1.00	3/4" MINI TRI-CLOVER WITH 1/4" BARB	PP
CN-01204	1.00	1 1/2" TRI-CLOVER WITH 1/2" BARB	PP
CN-01223	2.00	3/4" MINI TRI-CLOVER WITH 3/4" BARB	PP
CN-01367	1.00	MALE MPX CONNECTOR WITH 1/2" BARB	PSF
CN-01368	2.00	FEMALE MPX CONNECTOR WITH 1/2" BARB WITH LOCK	PSF
CN-03060	4.00	1" TRI-CLOVER WITH 1" BARB	PP
CN-03076	1.00	1" ELBOW CONNECTOR	PP
CP-01058	3.00	3/4" MINI TRI-CLOVER CAP	PP
CP-01071	1.00	FEMALE MPC CAP	PSF
CP-01078	5.00	1 1/2" TRI-CLOVER CAP	PP
CP-01120	1.00	FEMALE MPX CAP	PSF
CP-01121	2.00	MALE MPX PLUG	PSF
CL-01050	3.00	3/4" MINI TRI-CLOVER CLAMP	NYL
CL-01057	2.00	DETIKER CLAMP 27.1	SS
CL-01060	2.00	DETIKER CLAMP 37.6	SS
CL-01065	4.00	DETIKER CLAMP 39.6	SS
CL-03000	5.00	1 1/2" TRI-CLOVER CLAMP	NYL
FM-01055	1.00	PALL A50V002P2NV FILTER	PP/PVDF

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SHEET 3 OF 3			CHECKED BY AJS	08-19-20
SCALE NTS	DRAWING NO. HM00463-I	REVISION A	CUSTOMER	