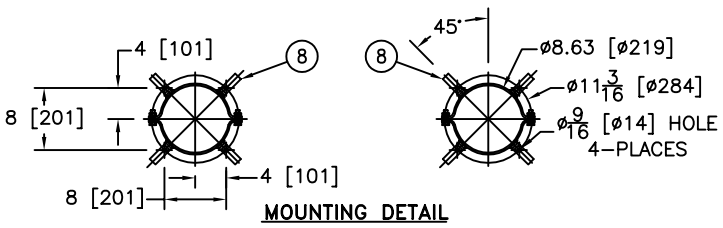
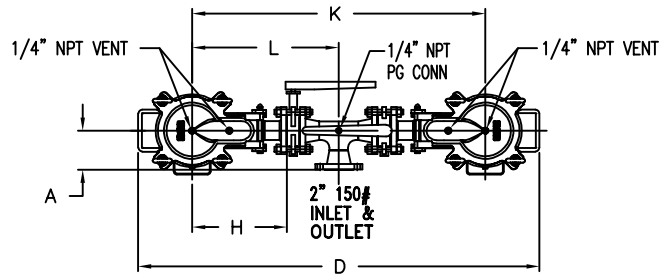
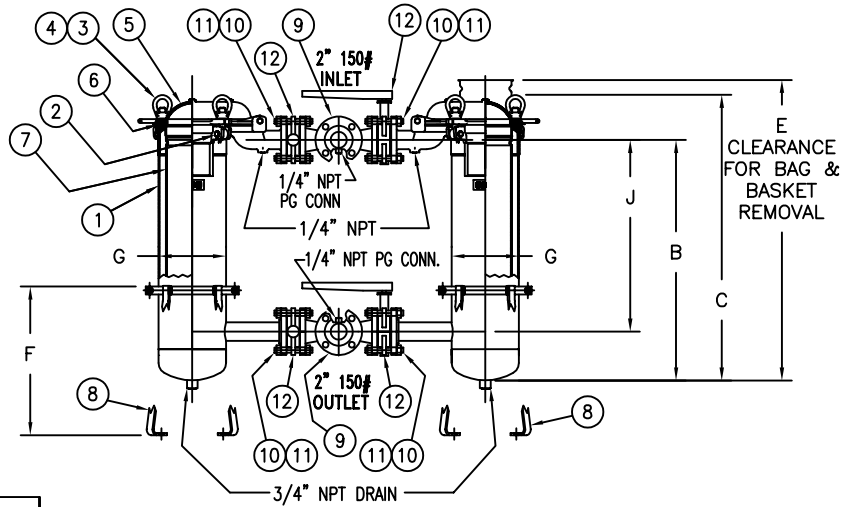
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F3AVTB0332	02	5 / 127	30-3/4 / 781	36-1/2 / 927	51-3/8 / 1305	62-3/4 / 1594	19 / 482.6	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	37-1/2 / 952.5	18-3/4 / 476.2	275 / 125

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
B	UPDATED DRAWING	FJM	0108712	03/11/15



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-216 WCB SA-53 GR. B SA-234 WPB
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-216 WCB
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	CARBON STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	BUTTERFLY VALVE 2" 150# WAFER STYLE WITH HANDLE	CAST OR DUCTILE IRON BODY SSTL DISC & SHAFT BUNA-N SEAT

NOTES:

1. UNITS ARE TO BE DESIGNED, FABRICATED & "UM" STAMPED IN ACCORDANCE WITH ASME SECT. VIII,DIV. 1 BOILER & PRESSURE VESSEL CODE, IN COMPLIANCE TO LATEST ADDENDA.
2. INLET/OUTLET FLANGED CONNECTIONS PER ANSI B16.5.
3. MAWP: 150 PSI @ 250° F (10.3 BAR @ 121.1° C) MDMT: -20° F @ 150 PSI (-28.9° C @ 10.3 BAR)
4. MAXIMUM OPERATING TEMP. 400° F (204.4° C) WITH VITON O-RING & VITON BUTTERFLY VALVE SEATS.
5. DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.
6. PAINT CARBON STEEL PER EATON STANDARD ES-301

VESSEL CODE: DTBF-0102-CS10-020A-V

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
DECIMAL:	.X ± .030 .XX ± .010 .XXX ± .005
FRACTIONAL:	± 1/16
NOZZLE ℄ TO FLOOR:	3/8" < 4° > 3/4"
FACE TO FACE:	1/8" < 4° > 1/4"
ANGULAR:	± 1°
FLANGES (H/V):	± 1/2°
VESSEL OVERALL HT:	1"

BOLT HOLES MUST STRADDLE ℄ MACHINED PARTS TO BE FREE OF BURRS FOR ADDITIONAL TOLERANCE DETAILS REF. ES-211, ES-222 AND ES-223

REVIEWED FOR CLASSIFICATION PER PR-4
(C) CRITICAL (S) SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0332

DRAWN BY: FJM
SCALE: AS DRAWN
RESTRICTION: RESTRICTED
SHEET: 1 OF 1
PROJECTION: THIRD ANGLE

EATON HYDRAULICS GROUP
FILTRATION DIVISION
GALESBURG, MICHIGAN, USA • TINTON FALLS, NEW JERSEY, USA

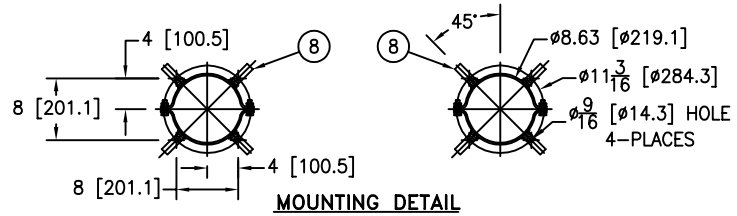
TITLE: TOPLINE (DTBF) DUPLEX BAG FILTER 2" 150# RF FLANGED CONNECTIONS CSTL W/BUTTERFLY VALVES, MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
06/21/07	A	DTBF2-XCV	B

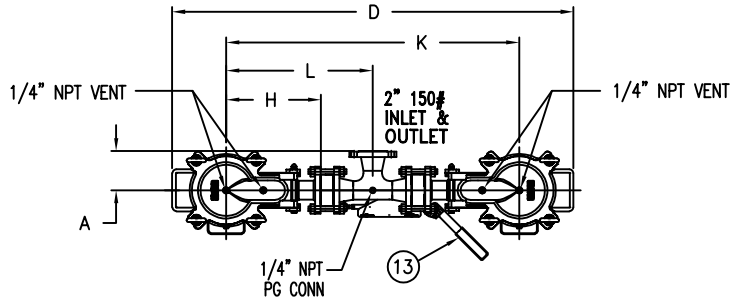
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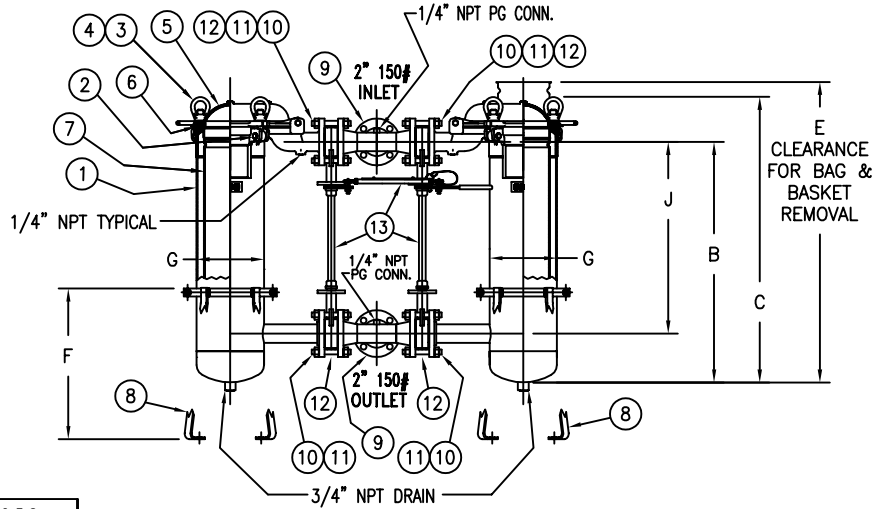
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F3AVTB0322	02	5 / 127	30-3/4 / 781	36-1/2 / 927	51-3/8 / 1305	62-3/4 / 1594	19-1/4 / 489	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	37-1/2 / 952.5	18-3/4 / 476.2	290 / 131

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
C	UPDATED DRAWING NOTE 1	FJM	0128009	10/13/16



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-216 WCB SA-53 GR.B SA-234 WPB
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-216 WCB
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	CARBON STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	BUTTERFLY VALVE 2" 150# WAFER STYLE NO HANDLE	CAST OR DUCTILE IRON BODY SSTL DISC & SHAFT BUNA-N SEAT
13	VALVE LINKAGE W/HANDLE	304 STAINLESS STEEL

NOTES:

1. UNITS ARE DESIGNED, FABRICATED AND "UM" STAMPED IN ACCORDANCE WITH THE ASME BOILER & PRESSURE VESSEL CODE SECTION VIII, DIVISION 1, IN COMPLIANCE TO CURRENT MANDATORY EDITION.
2. INLET/OUTLET FLANGED CONNECTIONS PER ANSI B16.5.
3. MAWP: 150 PSI @ 250° F (10.3 BAR @ 121.1° C) MDMT: -20° F @ 150 PSI (-28.9° C @ 10.3 BAR)
4. MAXIMUM OPERATING TEMP. 400° F (204.4° C) WITH VITON O-RING & VITON BUTTERFLY VALVE SEATS.
5. DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.
6. PAINT CARBON STEEL PER EATON STANDARD ES-301

VESSEL CODE: DTBF-0102-CS10-020A-LINK

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
DECIMAL:	.X ± .030 .XX ± .010 .XXX ± .005
FRACTIONAL:	± 1/16
NOZZLE ℄ TO FLOOR:	3/8" < 4° > 3/4"
FACE TO FACE:	1/8" < 4° > 3/4"
ANGULAR:	± 1°
FLANGES (H/V):	± 1/2°
VESSEL OVERALL HT:	1"

BOLT HOLES MUST STRADDLE ℄
MACHINED PARTS TO BE FREE OF BURRS
FOR ADDITIONAL TOLERANCE DETAILS REF. ES-211, ES-222 AND ES-223

REVIEWED FOR CLASSIFICATION PER PR-4
CRITICAL SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0322

DRAWN BY	FJM
SCALE	AS DRAWN
RESTRICTION	RESTRICTION
SHEET	1 OF 1
PROJECTION	THIRD ANGLE

EATON FILTRATION, LLC
DESIGN CENTER
TINTON FALLS, NEW JERSEY, USA PORTAGE, MICHIGAN, USA

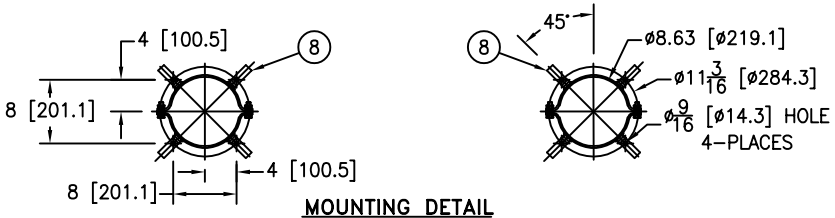
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2" 150# RF FLANGED CONNECTIONS CSTL
W/ BUTTERFLY VALVES LINKED, MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
09/29/05	A	SDI-07581	C

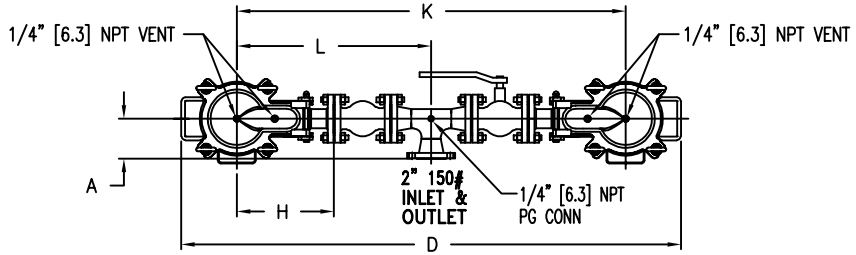
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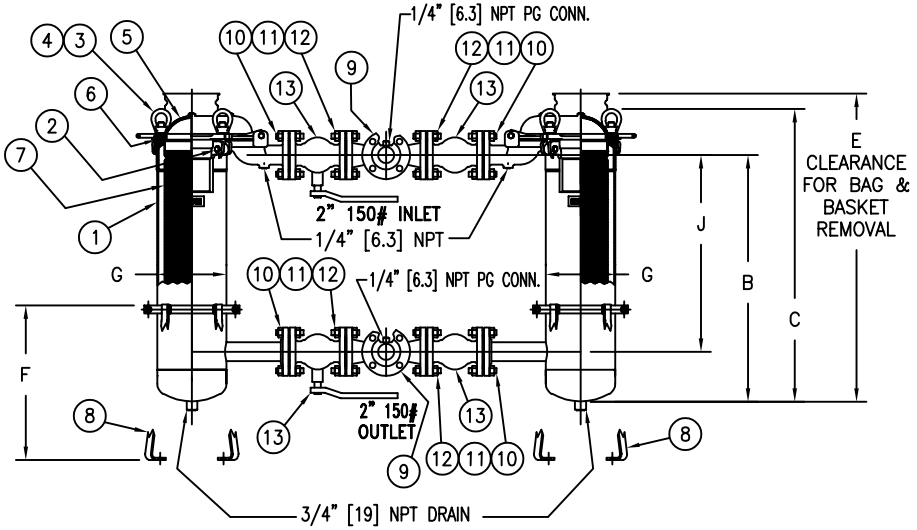
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F3AVTB0311	02	5 / 127	30-3/4 / 781	36-1/2 / 927	62-3/8 / 1584	62-3/4 / 1594	19-1/4 / 489	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	48-1/2 / 1232	24-1/4 / 616	260 / 118

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
B	UPDATED DRAWING	FJM	0087202	07/12/13



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-216 WCB SA-53 GR.B SA-234 WPB
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-216 WCB
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	CARBON STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	MANIFOLD GASKETS	BLUEGARD 3000
13	2" 150# BALL VALVE	SEE NOTE 6

NOTES:

1. UNITS ARE TO BE DESIGNED, FABRICATED & "UM" STAMPED IN ACCORDANCE WITH ASME SECT. VIII,DIV. 1 BOILER & PRESSURE VESSEL CODE, IN COMPLIANCE TO LATEST ADDENDA.
2. INLET/OUTLET FLANGED CONNECTIONS PER ANSI B16.5.
3. MAWP:150 PSI @ 250° F (10.3 BAR @ 121.1° C) MDMT:-20° F @ 150 PSI (-28.9° C @ 10.3 BAR)
4. MAXIMUM OPERATING TEMP. 400° F (204.4° C) WITH VITON O-RING
5. DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.
6. 2" 150# FLANGED BALL VALVES STAINLESS STEEL EATON STANDARD P/N 8718100950 ACE # A201 FULL PORT
7. PAINT PER EATON STANDARD ES-301.

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
DECIMAL:	.X ± .030 .XX ± .010 .XXX ± .005
FRACTIONAL:	± 1/16
NOZZLE ℄ TO FLOOR:	1/8" < 4" > 1/4"
FACE TO FACE:	1/8" < 4" > 1/4"
ANGULAR:	± 1°
FLANGES (H/V):	± 1/2°
VESSEL OVERALL HT:	1"

BOLT HOLES MUST STRADDLE ℄
MACHINED PARTS TO BE FREE OF BURRS
FOR ADDITIONAL TOLERANCE DETAILS REF. ES-211, ES-222 AND ES-223

REVIEWED FOR CLASSIFICATION PER PR-4
C CRITICAL S SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0311

VESSEL CODE: DTBF-0102-CS10-020A-BVAL

DRAWN BY	FJM
SCALE	AS DRAWN
RESTRICTION	RESTRICTION
SHEET	1 OF 1
PROJECTION	THIRD ANGLE

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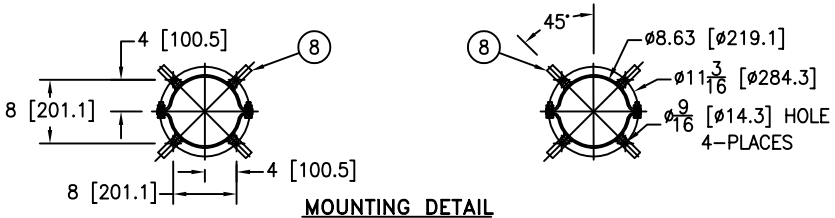
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2" 150# RF FLANGED CONNECTIONS C/STL
W/ MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
06/12/07	A	DTBF2-XCBV	B

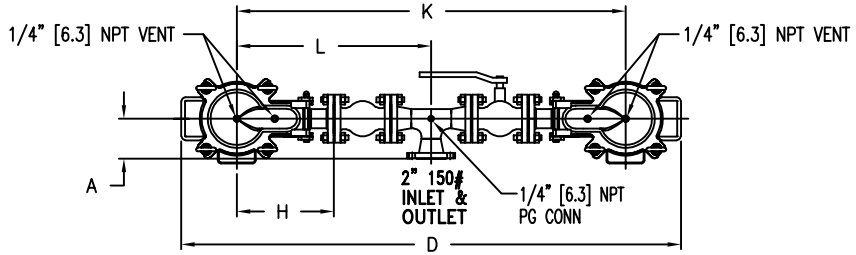
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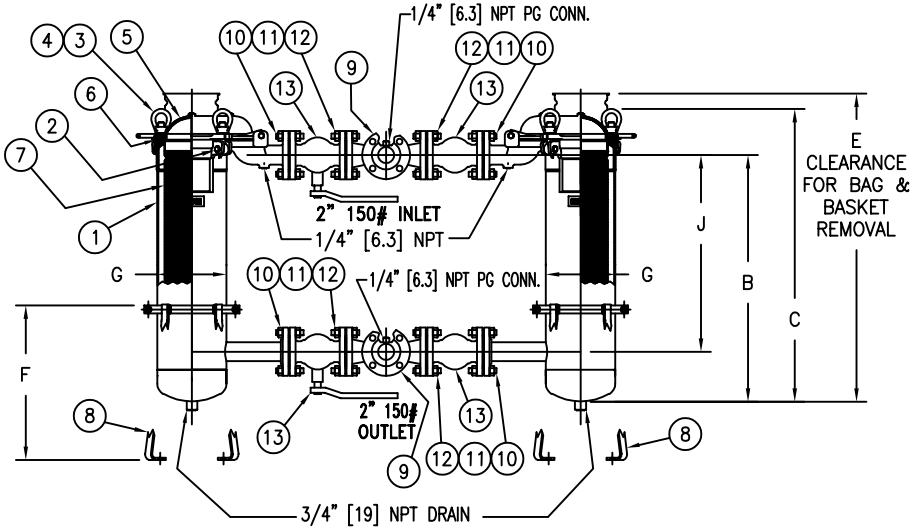
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F3AVTB0310	02	5 / 127	30-3/4 / 781	36-1/2 / 927	62-3/8 / 1584	62-3/4 / 1594	19-1/4 / 489	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	48-1/2 / 1232	24-1/4 / 616	260 / 118

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
C	UPDATED DRAWING	FJM	0087202	07/12/13



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-351 CF8M SA-312 TP 316 SA-403 TP 316
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-351 CF8M
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	316 STAINLESS STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	MANIFOLD GASKETS	BLUEGARD 3000
13	2" 150# BALL VALVE	SEE NOTE 6

NOTES:

1. UNITS ARE TO BE DESIGNED, FABRICATED & "UM" STAMPED IN ACCORDANCE WITH ASME SECT. VIII,DIV. 1 BOILER & PRESSURE VESSEL CODE, IN COMPLIANCE TO LATEST ADDENDA.
2. INLET/OUTLET FLANGED CONNECTIONS PER ANSI B16.5.
3. MAWP:150 PSI @ 250° F (10.3 BAR @ 121.1° C) MDMT:-20° F @ 150 PSI (-28.9° C @ 10.3 BAR)
4. MAXIMUM OPERATING TEMP. 400° F (204.4° C) WITH VITON O-RING
5. DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.
6. 2" 150# FLANGED BALL VALVES STAINLESS STEEL EATON STANDARD P/N 8718100950 ACE # A201 FULL PORT

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
DECIMAL:	.X ± .030 .XX ± .010 .XXX ± .005
FRACTIONAL:	± 1/16
NOZZLE ℄ TO FLOOR:	1/8" < 4' > 1/4"
FACE TO FACE:	1/8" < 4' > 1/4"
ANGULAR:	± 1°
FLANGES (H/V):	± 1/2°
VESSEL OVERALL HT:	1"

BOLT HOLES MUST STRADDLE ℄
MACHINED PARTS TO BE FREE OF BURRS
FOR ADDITIONAL TOLERANCE DETAILS REF. ES-211, ES-222 AND ES-223

REVIEWED FOR CLASSIFICATION PER PR-4
C CRITICAL S SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0310

VESSEL CODE: DTBF-0102-AB10-020A-BVAL

DRAWN BY	FJM
SCALE	AS DRAWN
RESTRICTION	RESTRICTION
SHEET	1 OF 1
PROJECTION	THIRD ANGLE

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DESIGN CENTER
TINTON FALLS, NEW JERSEY, USA PORTAGE, MICHIGAN, USA

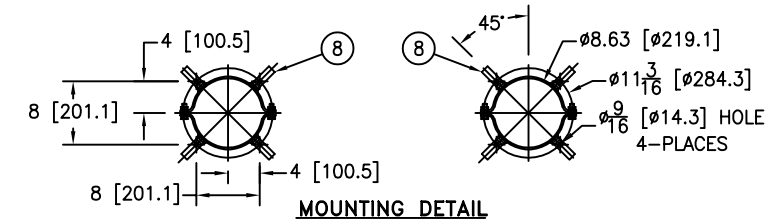
TITLE: TOPLINE (DTBF) DUPLEX BAG FILTER
2" 150# RF FLANGED CONNECTIONS SSTL
W/ MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
02/09/04	A	DTBF2-XSBV	C

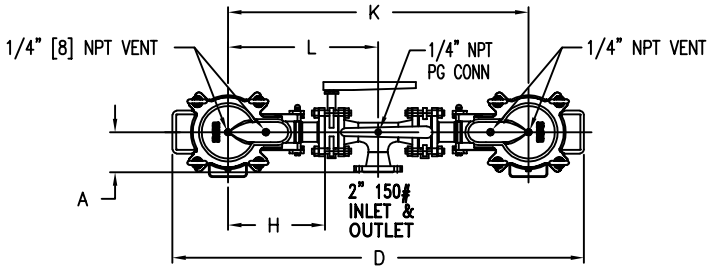
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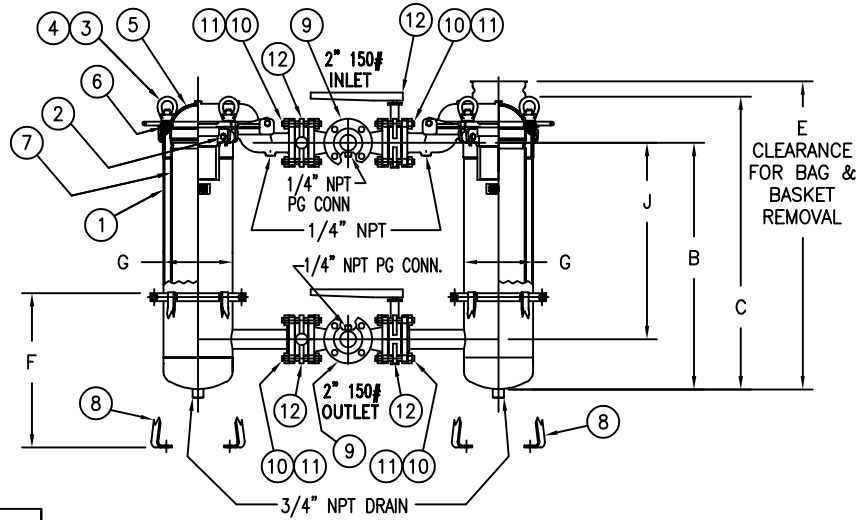
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F3AVTB0200	02	5 / 127	30-3/4 / 781	36-1/2 / 927	51-3/8 / 1305	62-3/4 / 1594	19-1/4 / 489	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	37-1/2 / 952.5	18-3/4 / 476.2	275 / 125

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
C	UPDATED DRAWING	FJM	0087295	07/15/13



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-351 CF8M SA-312 TP 316 SA-403 TP 316
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-351 CF8M
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	316 STAINLESS STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	BUTTERFLY VALVE 2" 150# WAFER STYLE WITH HANDLE	CAST OR DUCTILE IRON BODY SSTL DISC & SHAFT BUNA-N SEAT

NOTES:

1. UNITS ARE TO BE DESIGNED, FABRICATED & "UM" STAMPED IN ACCORDANCE WITH ASME SECT. VIII,DIV. 1 BOILER & PRESSURE VESSEL CODE, IN COMPLIANCE TO LATEST ADDENDA.
2. INLET/OUTLET FLANGED CONNECTIONS PER ANSI B16.5.
3. MAWP: 150 PSI @ 250° F (10.3 BAR @ 121.1° C) MDMT: -20° F @ 150 PSI (-28.9° C @ 10.3 BAR)
4. MAXIMUM OPERATING TEMP. 400° F (204.4° C) WITH VITON O-RING & VITON BUTTERFLY VALVE SEATS.
5. DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
DECIMAL:	.X ± .030 .XX ± .010 .XXX ± .005
FRACTIONAL:	± 1/16
NOZZLE ℄ TO FLOOR:	1/8" < 4" > 1/4"
FACE TO FACE:	1/8" < 4" > 1/4"
ANGULAR:	± 1°
FLANGES (H/V):	± 1/2°
VESSEL OVERALL HT:	1"

BOLT HOLES MUST STRADDLE ℄
MACHINED PARTS TO BE FREE OF BURRS
FOR ADDITIONAL TOLERANCE DETAILS REF. ES-211, ES-222 AND ES-223

REVIEWED FOR CLASSIFICATION PER PR-4
C CRITICAL S SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0200

VESSEL CODE: DTBF-0102-AB10-020A

DRAWN BY	FJM
SCALE	AS DRAWN
RESTRICTION	RESTRICTION
SHEET	1 OF 1
PROJECTION	THIRD ANGLE

EATON FILTRATION, LLC
DESIGN CENTER
TINTON FALLS, NEW JERSEY, USA PORTAGE, MICHIGAN, USA

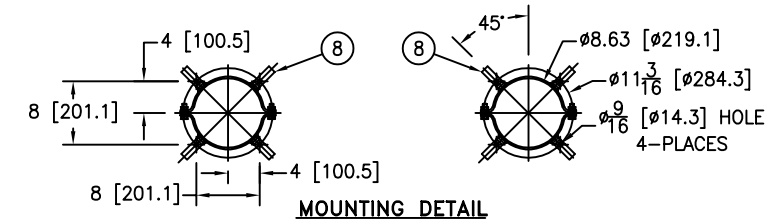
TITLE: TOPLINE (DTBF) DUPLEX BAG FILTER
2" 150# RF FLANGED CONNECTIONS SSTL
W/ BUTTERFLY VALVES, MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
05/29/03	A	DTBF2-XSV	C

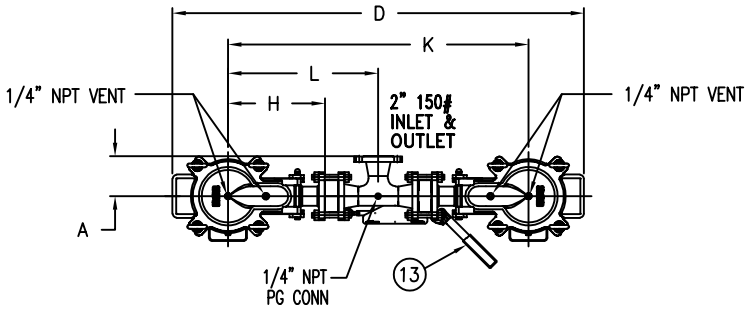
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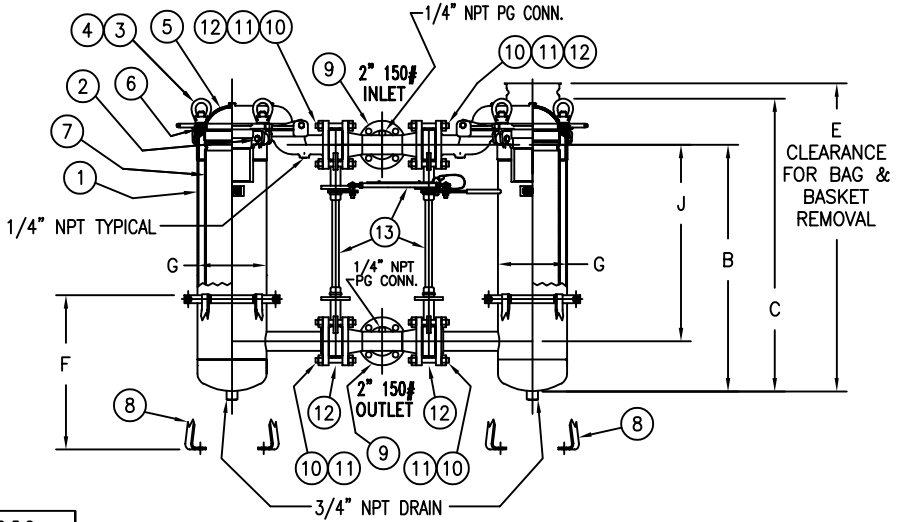
ITEM NUMBER	BAG SIZE	A IN. / MM	B IN. / MM	C IN. / MM	D IN. / MM	E IN. / MM	F IN. / MM	G IN. / MM	H IN. / MM	J IN. / MM	K IN. / MM	L IN. / MM	WEIGHT LBS / KGS
F3AVTB0222	02	5 / 127	30-3/4 / 781	36-1/2 / 927	51-3/8 / 1305	62-3/4 / 1594	19-1/4 / 489	8-5/8 / 219	12-1/8 / 308	24-1/2 / 622	37-1/2 / 952.5	18-3/4 / 476.2	290 / 131

REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
C	UPDATED DRAWING	FJM	0087416	07/18/13



MOUNTING DETAIL





NO.	PART NAME	MATERIAL
1	BODY	SA-351 CF8M SA-312 TP 316 SA-403 TP 316
2	PIN	SA-193 GR B7, ZINC PL
3	EYE BOLT	SA-193 GR B7, ZINC PL
4	EYE NUT	SA-194 GR 2H, ZINC PL
5	COVER	SA-351 CF8M
6	O-RINGS (2) P/N 811333 & L0000024	BUNA-N
7	RESTRAINER BASKET P/N L0001753	316 STAINLESS STEEL
8	ADJUSTABLE LEGS	CSTL EPOXY COATED
9	INLET/OUTLET MANIFOLDS	316 STAINLESS STEEL
10	STUDS	SA-193 GR B7, ZINC PL
11	NUTS	SA-194 GR 2H, ZINC PL
12	BUTTERFLY VALVE 2" 150# WAFER STYLE NO HANDLE	CAST OR DUCTILE IRON BODY SSTL DISC & SHAFT BUNA-N SEAT
13	VALVE LINKAGE W/HANDLE	304 STAINLESS STEEL

NOTES:

1. UNITS ARE TO BE DESIGNED, FABRICATED & "UM" STAMPED IN ACCORDANCE WITH ASME SECT. VIII,DIV. 1 BOILER & PRESSURE VESSEL CODE, IN COMPLIANCE TO LATEST ADDENDA.
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REVIEWED FOR CLASSIFICATION PER PR-4
C CRITICAL S SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
S.O. NO.	
QUANTITY	
PART NO.	F3AVTB0222

VESSEL CODE: DTBF-0102-AB10-020A-LINK

DRAWN BY	FJM
SCALE	AS DRAWN
RESTRICTION	RESTRICTION
SHEET	1 OF 1
PROJECTION	THIRD ANGLE

EATON FILTRATION, LLC
DESIGN CENTER
TINTON FALLS, NEW JERSEY, USA PORTAGE, MICHIGAN, USA

TITLE: TOPLINE (DTBF) DUPLEX BAG FILTER
2" 150# RF FLANGED CONNECTIONS SSTL
W/ BUTTERFLY VALVES LINKED, MANIFOLDS & BUNA O-RINGS

DATE	SIZE	DWG FILENAME	REV
06/12/03	A	DTBF02XS-2KL	C

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