



REVISIONS				
REV	DESCRIPTION	BY	ECO	DATE
A	NEW RELEASE	R. DHONDE	0062133	08/14/12
B	ITEM 7 WAS L0000584, ITEM 8 WAS L0001753, CHANGED OUTLET NOZZLE, CHANGED DESIGN TEMP	M. LEVIS	0104229	12/11/14
C	REVISED LUGS AND COVER, ADDED ITEM 12, CHANGED INLET GEOMETRY	M. LEVIS	0110380	4/27/2015
D	UPDATED DRAWING	FJM	0121687	4/4/16

- NOTES:**
- DIMENSIONS SHOWN IN [ ] ARE IN MILLIMETERS AND FOR REFERENCE ONLY. ACCEPTANCE OF THIS PART WILL BE BASED ON "INCH" UNITS & TOLERANCES ONLY.
  - INLET / OUTLET FLANGE CONNECTIONS PER ANSI B16.5 AND ALL BOLT HOLES ARE TO STRADDLE NATURAL CENTERLINES.
  - UNITS ARE DESIGNED AND FABRICATED TO GOOD ENGINEERING PRACTICE.
  - DESIGN DATA:  
 DESIGN PRESSURE - 150 PSI [10 BAR]  
 DESIGN TEMPERATURE - 200° F [93° C]  $\Delta$   
 MDMT - -20° F [-28.9° C] @ 150 PSI [10 BAR]  
 CORROSION ALLOWANCE - NONE  
 RADIOGRAPHY - NONE  
 HYDROSTATIC TEST PRESSURE - 195 PSI [13.4 BAR]
  - APPROX WEIGHT (DRY): 496 LBS [225KG]
  - APPROX SHIPPING WEIGHT: 542 LBS [246 KG]
  - PART NO.: NAFTA -: F3AV0400018L304
  - VESSEL CODE : NAFTA -: PMBF-0402-BB10-040A-NT-11HE-L
  - UNIT ASSEMBLY DWG: L0003479
  - THE SPARE PARTS FOR RE-ORDER.

12	CIRCLIP	STEEL ZINC PLATED
11	WASHER	STEEL ZINC PLATED
10	RING NUT	STEEL ZINC PLATED
9	EYE BOLT	A193 GR.B7 ZINC PLATED
8	SPRING ASSISTED MECHANISM	STAINLESS STEEL
7	12	7
6	RESTRAINER BASKET P/N L0003232	SS-304
5	PIN	A193 GR.B7 ZINC PLATED
4	LEGS	STAINLESS STEEL
3	O-RING P/N L000292	BUNA-N
2	COVER	SS-304
1	BODY	SS-304
ITEM	DRAWING NUMBER	DESCRIPTION

NOZZLE SCHEDULE						
MARK	QTY	SIZE	TYPE	RATING	NECK	SERVICE
N1	1	4	ANSI FLANGED	150	0.24 [6]	INLET
N2	1	4	ANSI FLANGED	150	0.24 [6]	OUTLET
N3	1	1	NPTI	----	NA	DRAIN
N4	1	1	NPTI	----	NA	INLET AUX CONN.
N5	1	1	NPTI	----	NA	VENT
N6	1	1/2	NPTI	----	NA	OUTLET AUX CONN.

**TOLERANCES (UNLESS OTHERWISE SPECIFIED)**

DECIMAL: .X ± .030  
 .XX ± .010  
 .XXX ± .005

FRACTIONAL:  
 NOZZLE & TO FLOOR:  $\frac{X}{Y} < \frac{Z}{4} > \frac{Z}{8}$   
 FACE TO FACE:  $\frac{X}{Y} < \frac{Z}{4} > \frac{Z}{8}$   
 ANGULAR:  $\pm 1'$   
 FLANGES (H/A):  $\pm 1'$   
 VESSEL OVERALL HT:  $\pm 1'$   
 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 PP-4

$\nabla$  CRITICAL  $\Delta$  SIGNIFICANT

CUSTOMER INFO	
NAME	
P.O. NO.	
TAG NO.	
S.O. NO.	
PART NO.	F3AV0400018L304

DRAWN BY R. DHONDE  
 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  
 PROLINE 150 (PMBF-04) FILTER VESSEL TYPE HE 4" 150#  
 RF FLG INLET/TANGENTIAL OUTLET LOOP STYLE SS-304

DATE 08/14/12  
 SIZE B  
 DWG FILENAME F3AV0400018L304  
 REV D

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