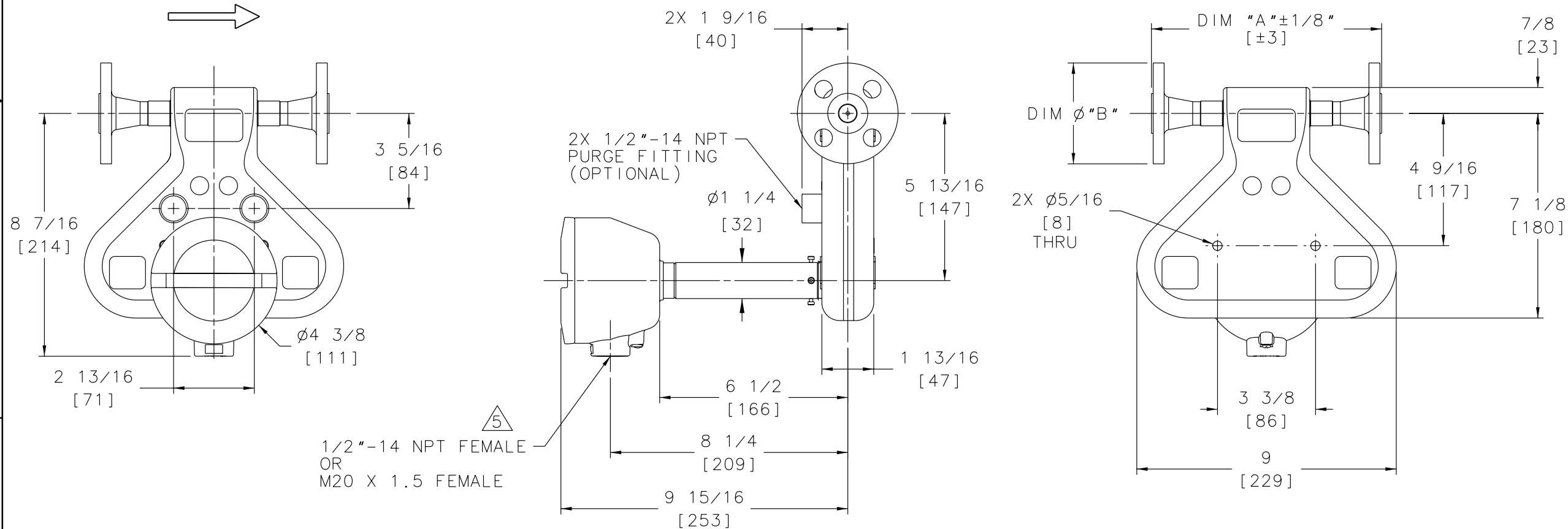
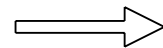


GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 7/8 [199]	$\phi$ 3 1/2 [89]	20 LBS [9 Kg]	24 LBS [11 Kg]
ANSI 300# 1/2"	8 3/16 [209]	$\phi$ 3 3/4 [95]	21 LBS [10 Kg]	25 LBS [12 Kg]
ANSI 600# 1/2"	8 11/16 [221]	$\phi$ 3 3/4 [95]	21 LBS [10 Kg]	26 LBS [12 Kg]

NORMAL FLOW DIRECTION ③



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF010M ANSI EXT CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/25/01	D	EP-3006137
CHKD. JLA	12/6/01	SCALE 1:2	DO NOT SCALE DRAWING
APVD. JLA	12/6/01	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 7/8 [199]	$\phi$ 3 1/2 [89]	19 LBS [9 Kg]	23 LBS [11 Kg]
ANSI 300# 1/2"	8 3/16 [209]	$\phi$ 3 3/4 [95]	20 LBS [9 Kg]	24 LBS [11 Kg]
ANSI 600# 1/2"	8 11/16 [221]	$\phi$ 3 3/4 [95]	20 LBS [10 Kg]	24 LBS [11 Kg]

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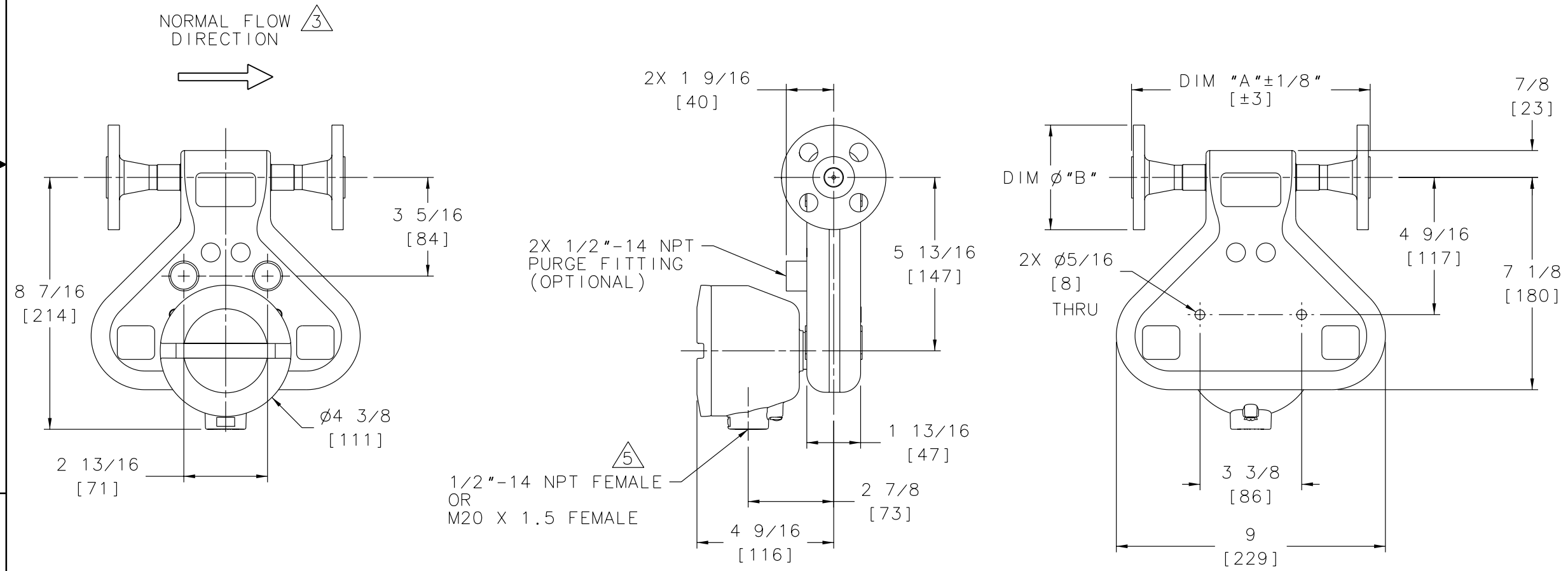
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 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF010M ANSI CORE PRCSR		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SAD	3/17/01	D	EP-3005916	C
CHKD. JLA	4/3/01	SCALE 1:2		DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	4/3/01	COPYRIGHT 2003 MICRO MOTION, INC. ALL RIGHTS RESERVED		

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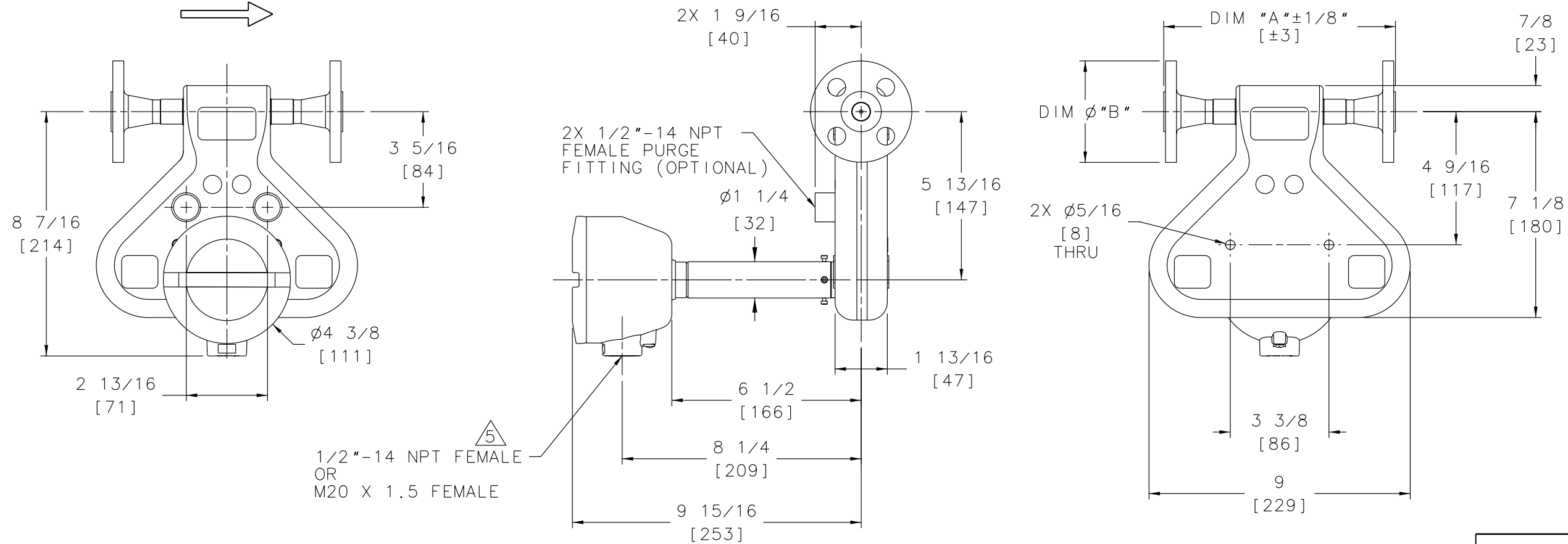
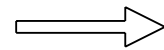
GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	21 LBS [10 Kg]	25 LBS [12 Kg]
JIS 20K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	21 LBS [10 Kg]	25 LBS [12 Kg]

NORMAL FLOW DIRECTION



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF010M JIS EXT CORE	
THIRD ANGLE PROJECTION			
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/25/01	D	EP-3006141
CHKD. JLA	12/6/01	SCALE 1:2	DO NOT SCALE DRAWING
APVD. JLA	12/6/01	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	20 LBS [9 Kg]	24 LBS [11 Kg]
JIS 20K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	20 LBS [9 Kg]	24 LBS [11 Kg]

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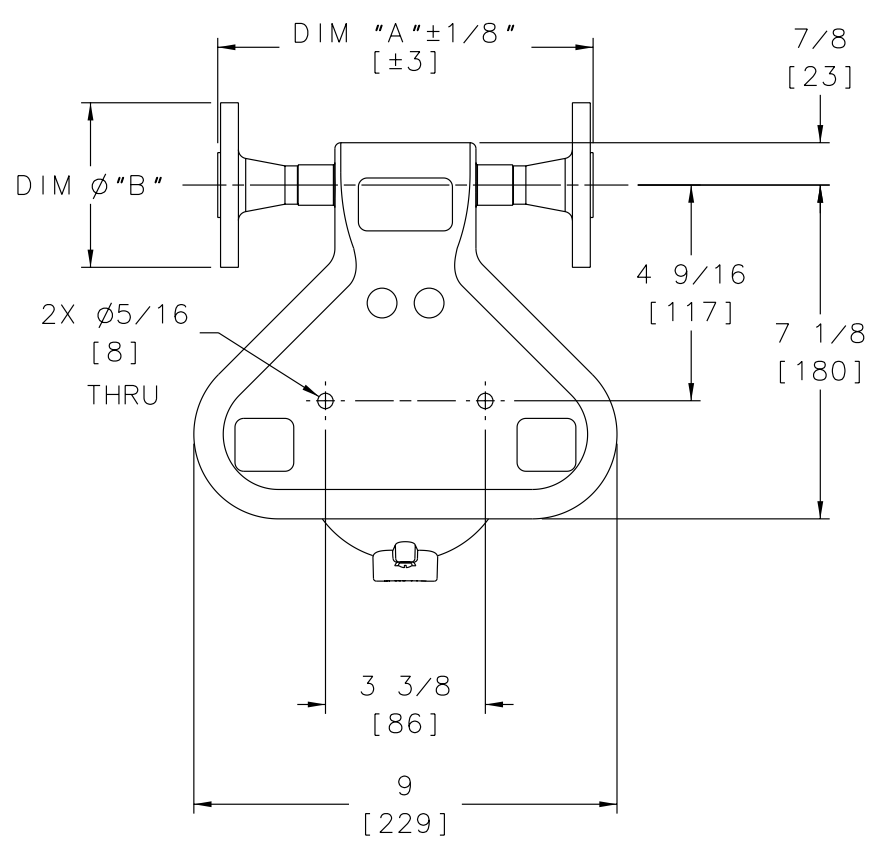
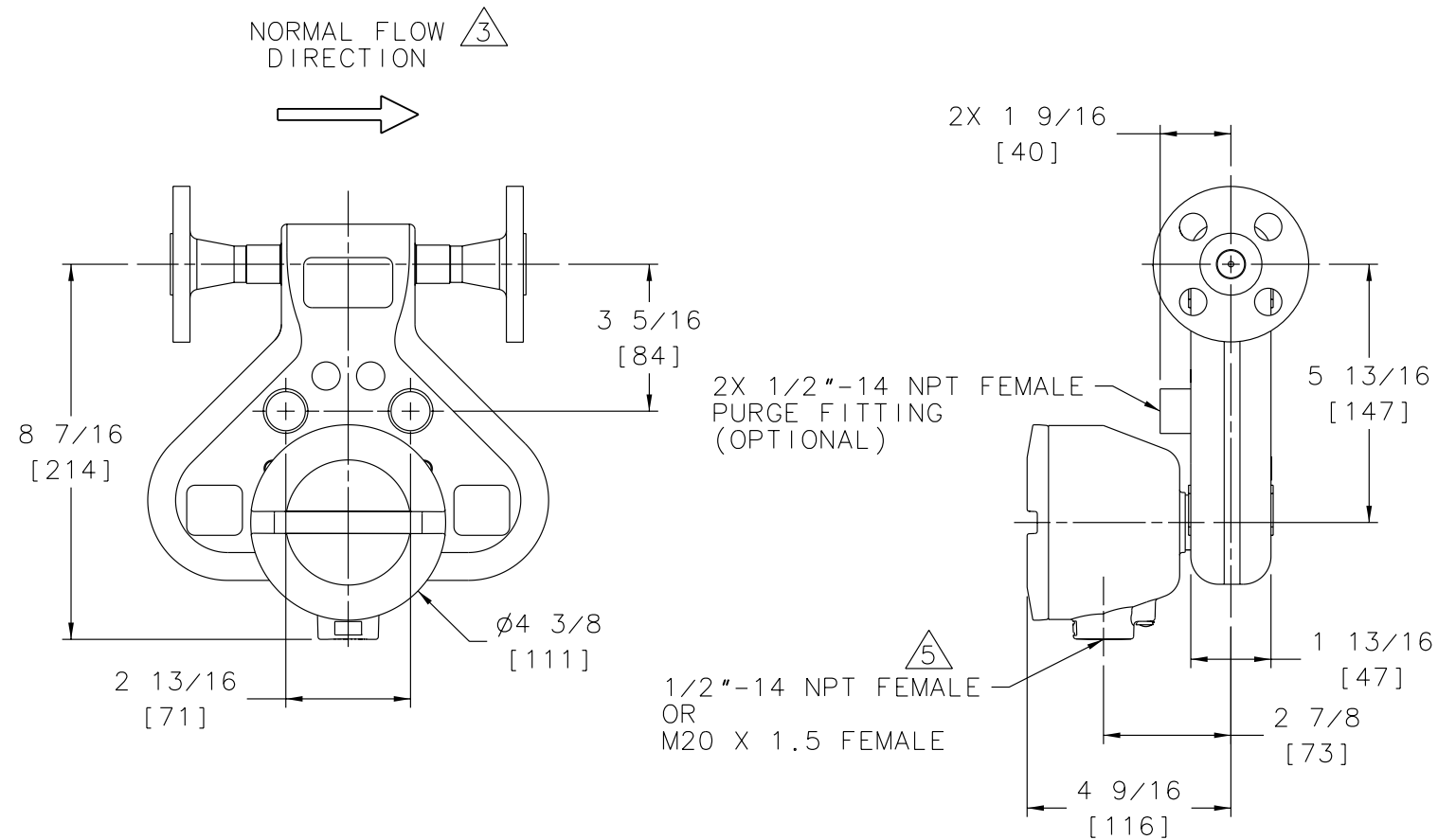
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF010M JIS CORE PRCSR			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	DRAWN SAD	3/17/01	D	EP-3005920	C
	CHKD. JLA	4/3/01	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
	APVD. JLA	4/3/01	COPYRIGHT 2003 MICRO MOTION, INC. ALL RIGHTS RESERVED		

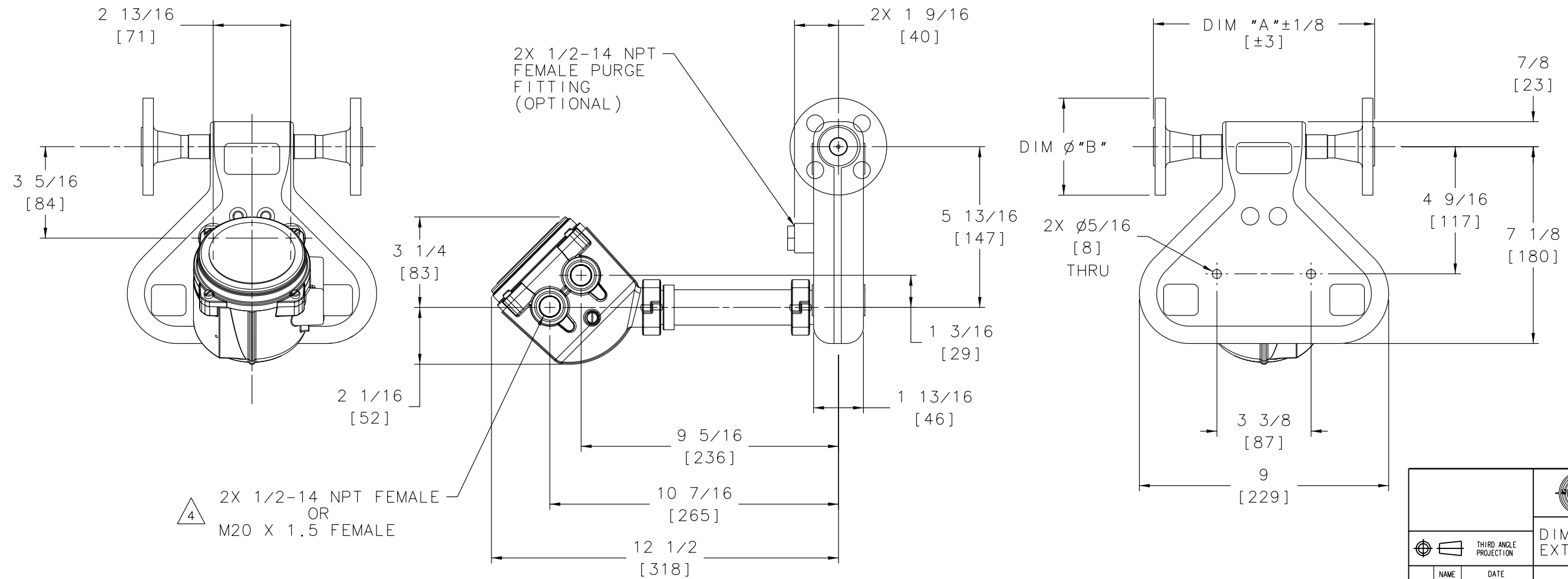
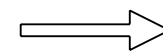
GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	7 7/8 [199]	3 1/2 [89]	16 LBS [8 Kg]	21 LBS [10 Kg]
ANSI CL 300 1/2"	8 3/16 [209]	3 3/4 [95]	18 LBS [8 Kg]	22 LBS [10 Kg]
ANSI CL 600 1/2"	8 11/16 [221]	3 3/4 [95]	18 LBS [8 Kg]	22 LBS [10 Kg]

NORMAL FLOW DIRECTION ③



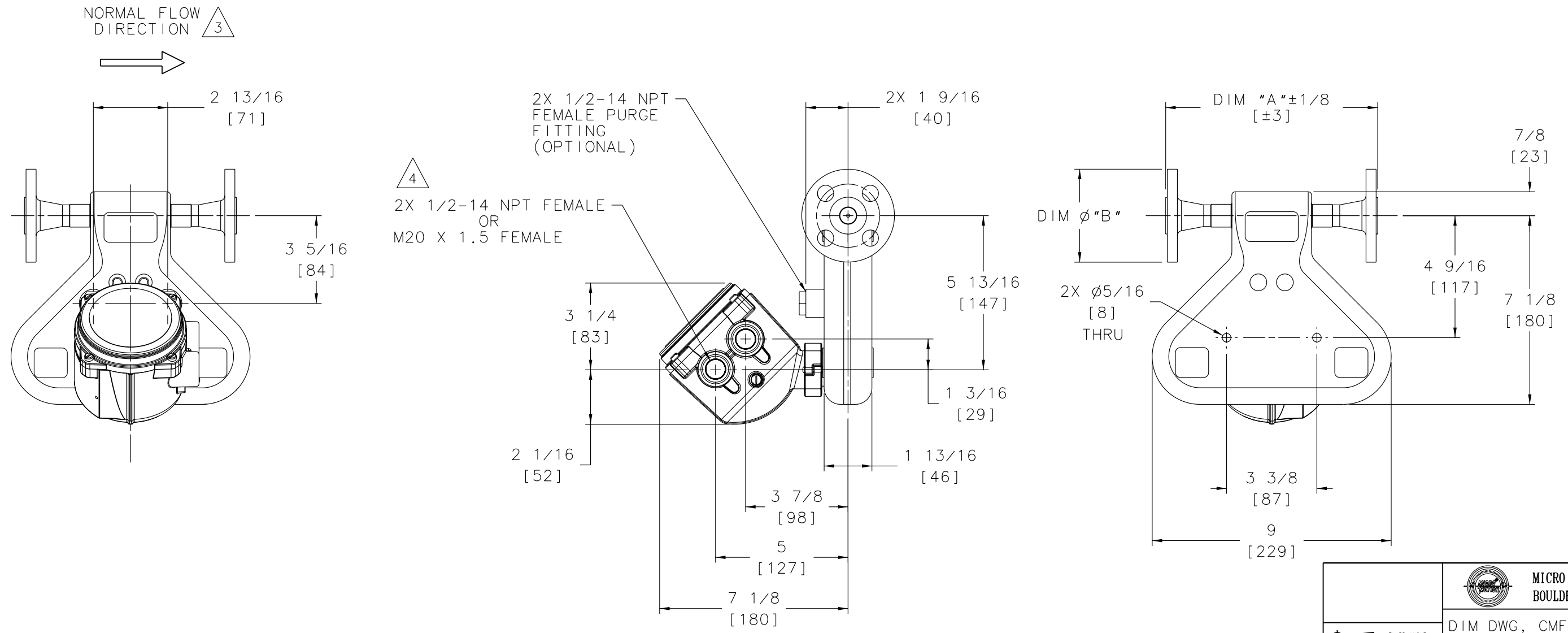
		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF010M ANSI EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	DRAWN RDR	9/22/05	D	20004550	A
	CHKD. RBG	7/27/06	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
	APVD. RBG	7/27/06			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	7 7/8 [199]	3 1/2 [89]	15 LBS [7 Kg]	19 LBS [9 Kg]
ANSI CL 300 1/2"	8 3/16 [209]	3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]
ANSI CL 600 1/2"	8 11/16 [221]	3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]



 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF010M ANSI ENHANCED CORE	
DRAWN RDR 9/22/05	CHKD. RBG 7/27/06	SIZE D	DWG. NO. 20004536
APVD. RBG 7/27/06	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L  
 SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 15MM	7 3/16 [183]	3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]
	JIS 20K 15MM	7 3/16 [183]	3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]

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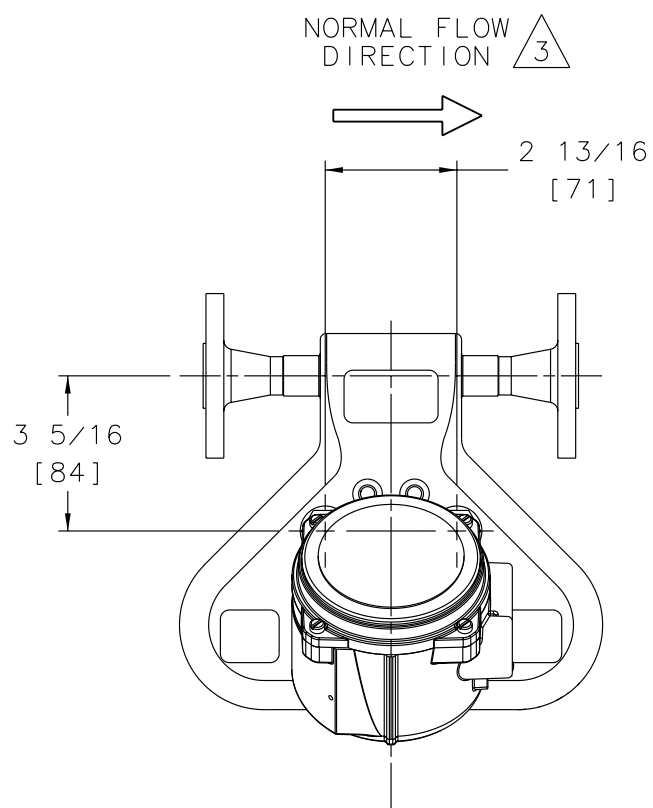
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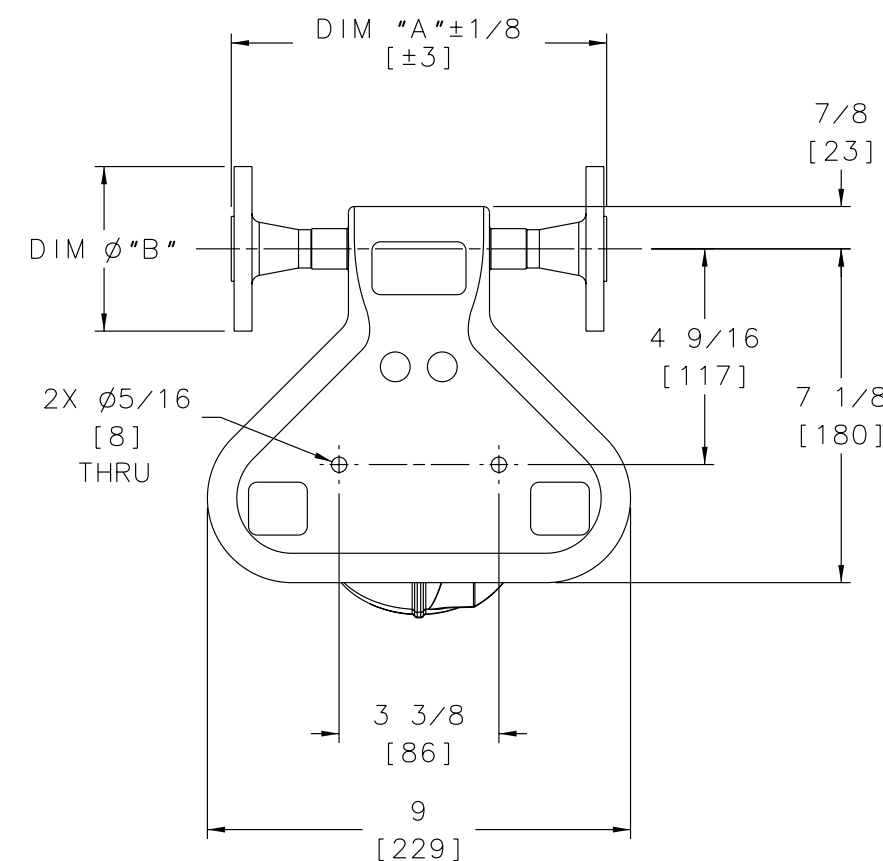
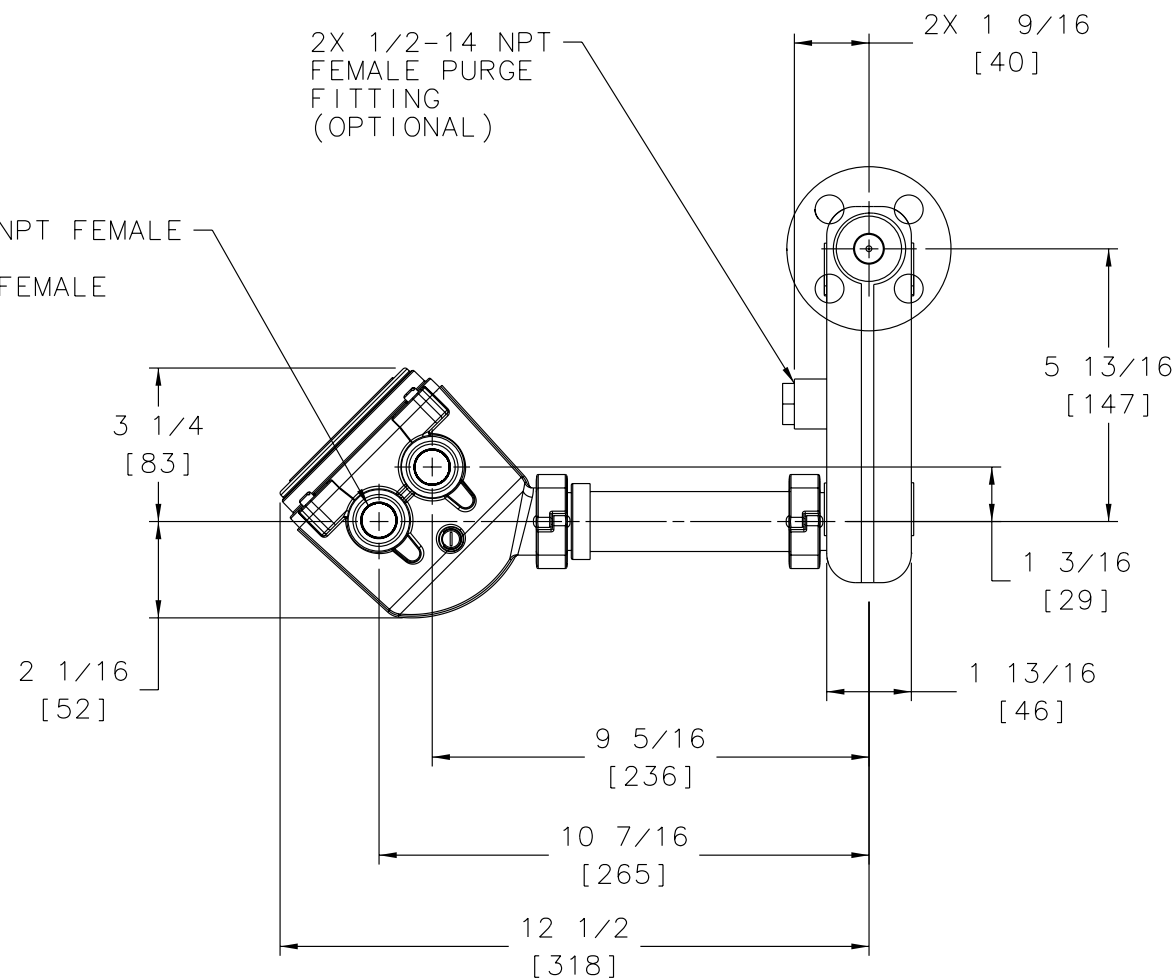
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④  
 2X 1/2-14 NPT FEMALE  
 OR  
 M20 X 1.5 FEMALE



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF010M JIS EXT ENHANCED CORE	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	RDR	9/22/05	SIZE DWG. NO.
CHKD.	RBG	7/27/06	D 20004553
APVD.	RBG	7/27/06	SCALE 1:2 DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L  
 SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 3/16 [183]	3 3/4 [95]	16 LBS [8 Kg]	20 LBS [10 Kg]
JIS 20K 15MM	7 3/16 [183]	3 3/4 [95]	16 LBS [8 Kg]	20 LBS [9 Kg]

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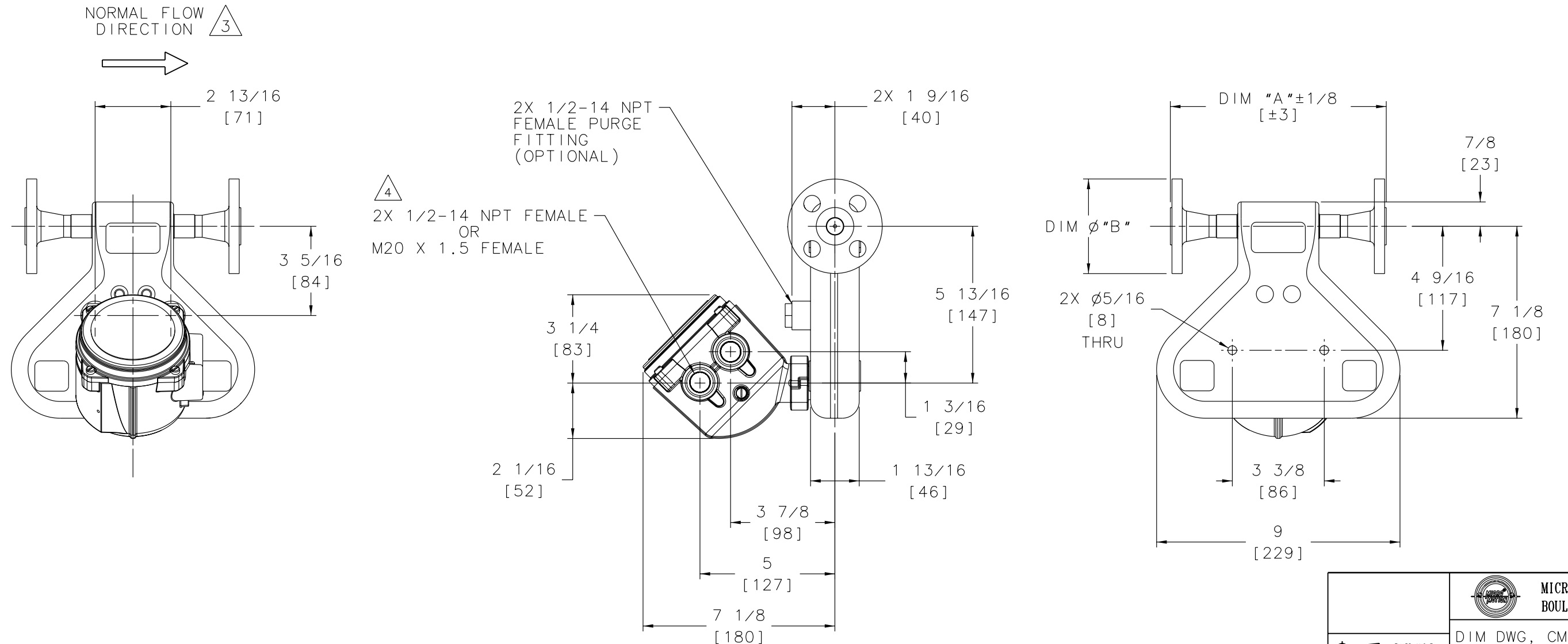
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 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF010M JIS ENHANCED CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN RDR	9/22/05	D	20004539
CHKD. RBG	7/27/06	SCALE 1:2	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. RBG	7/27/06		

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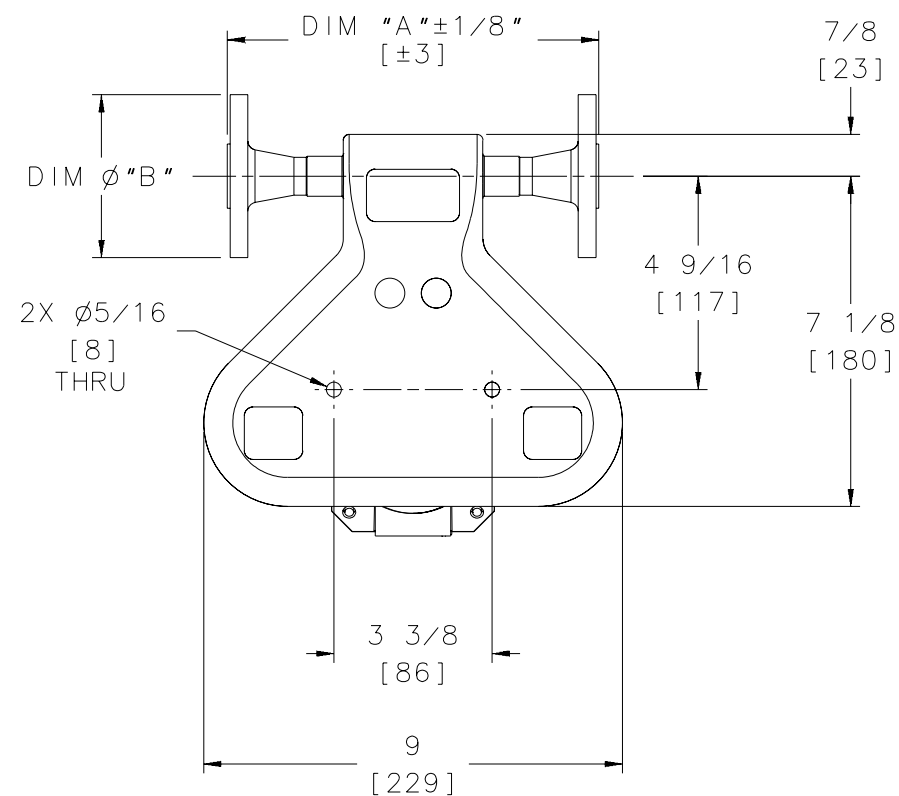
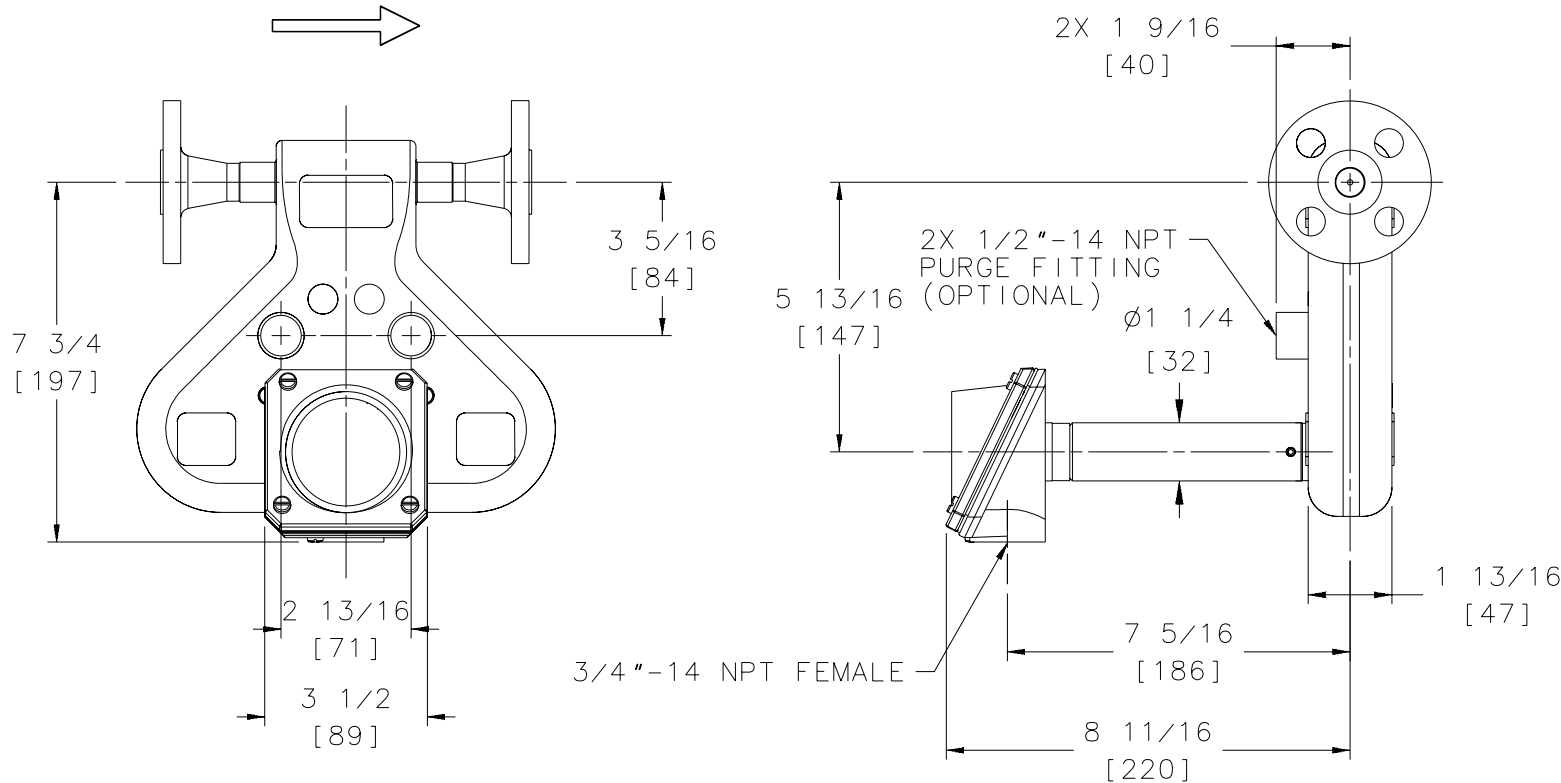
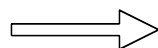


GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 7/8 [199]	$\phi$ 3 1/2 [89]	15 LBS [7 Kg]	20 LBS [9 Kg]
ANSI 300# 1/2"	8 3/16 [209]	$\phi$ 3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]
ANSI 600# 1/2"	8 11/16 [221]	$\phi$ 3 3/4 [95]	17 LBS [8 Kg]	21 LBS [10 Kg]

NORMAL FLOW  
DIRECTION



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF010M ANSI EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006138
CHKD. JLA	12/6/01	SCALE 1:2	DO NOT SCALE DRAWING
APVD. JLA	12/6/01	SHEET 1 OF 1	REV. A

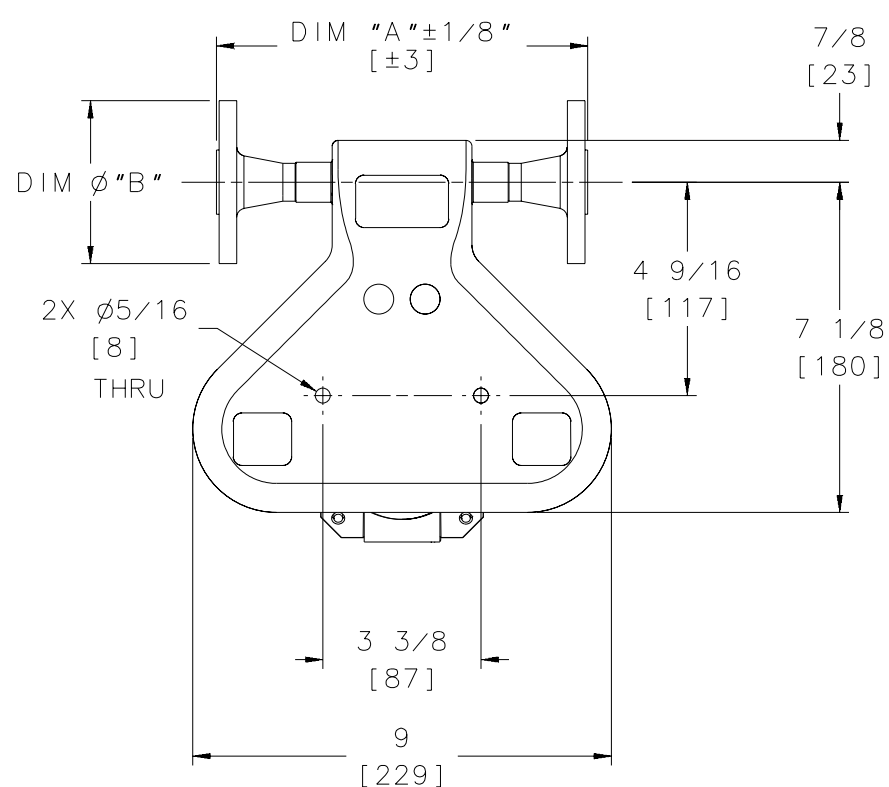
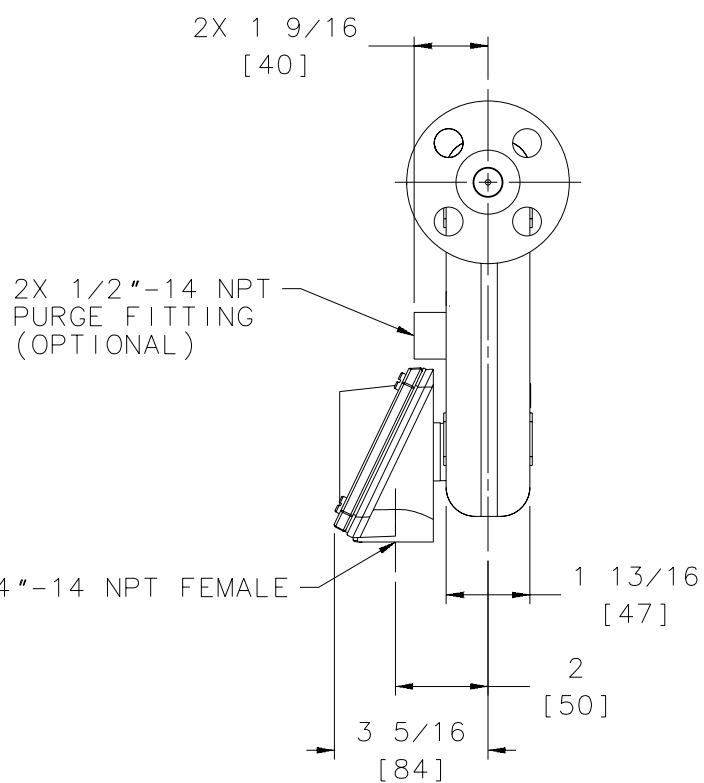
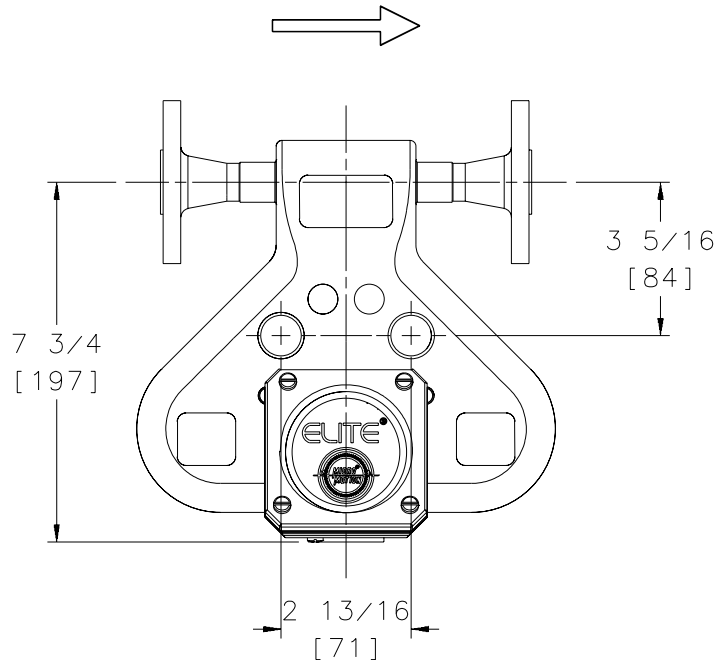
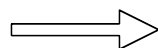
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

GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 7/8 [199]	$\phi$ 3 1/2 [89]	14 LBS [7 Kg]	18 LBS [9 Kg]
ANSI 300# 1/2"	8 3/16 [209]	$\phi$ 3 3/4 [95]	16 LBS [7 Kg]	20 LBS [9 Kg]
ANSI 600# 1/2"	8 11/16 [221]	$\phi$ 3 3/4 [95]	16 LBS [7 Kg]	20 LBS [9 Kg]

NORMAL FLOW DIRECTION 



 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF010M ANSI JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SAD	3/17/01	D	EP-3005917	B
CHKD. JLA	4/3/01	SCALE 1:2 DO NOT SCALE DRAWING		SHEET 1 OF 1
APVD. JLA	4/3/01			

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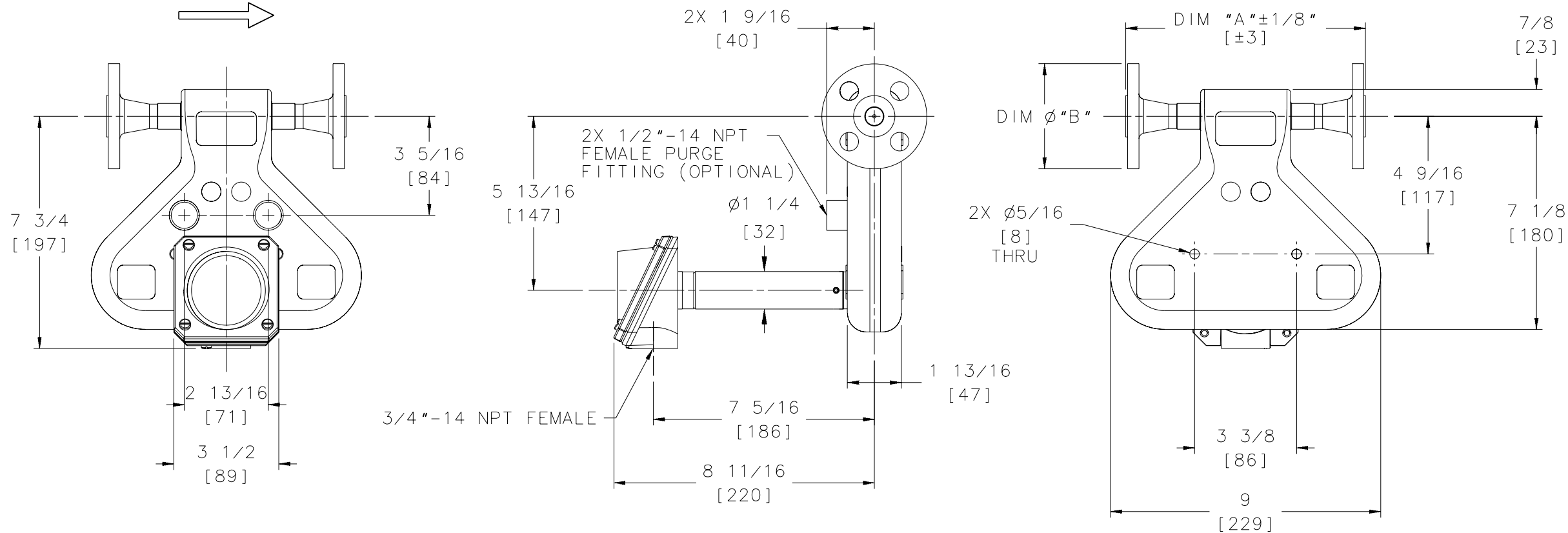
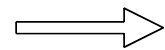
GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	16 LBS [8 Kg]	20 LBS [10 Kg]
JIS 20K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	16 LBS [8 Kg]	20 LBS [10 Kg]

NORMAL FLOW DIRECTION



		MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF010M JIS EXT JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SES	7/26/01	D	EP-3006142	A
CHKD. JLA	12/6/01	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	12/6/01			

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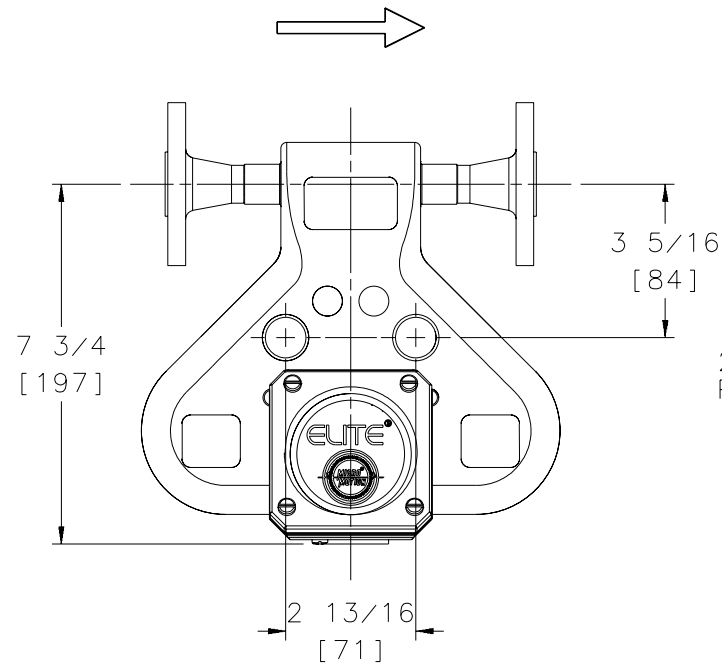
GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L  
SENSOR CASE MATERIAL: STAINLESS STEEL CF-3  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



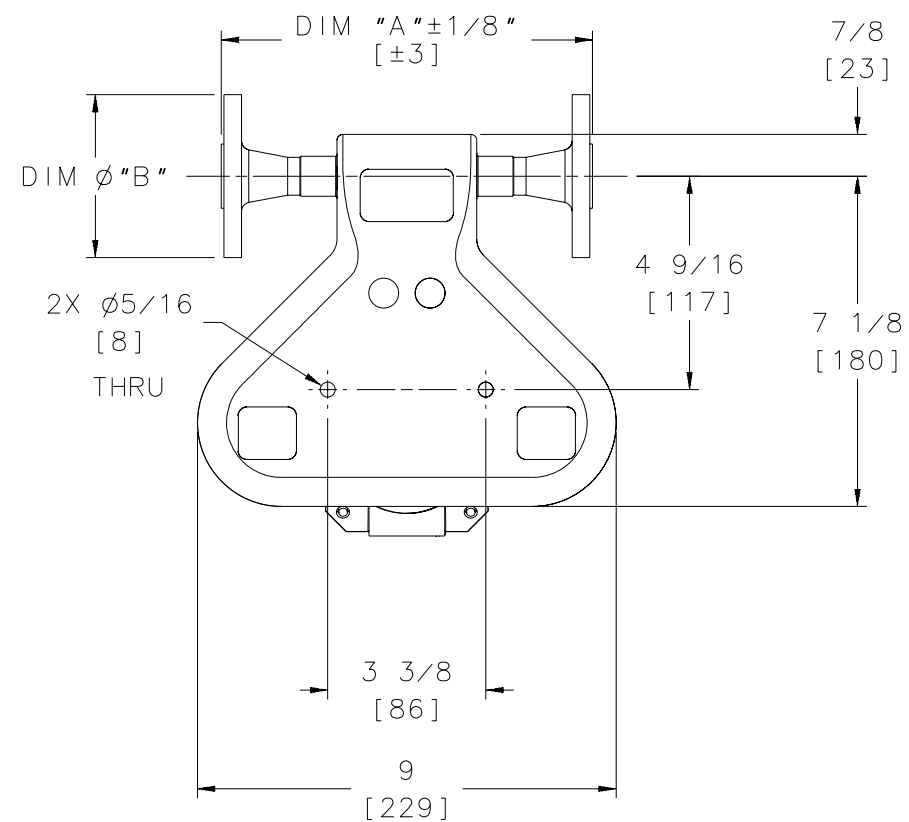
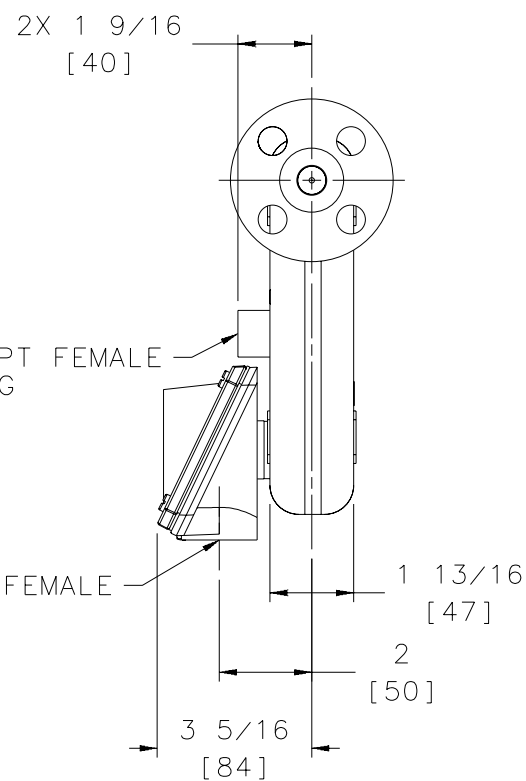
PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	15 LBS [7 Kg]	19 LBS [9 Kg]
JIS 20K 15MM	7 3/16 [183]	$\phi$ 3 3/4 [95]	15 LBS [7 Kg]	19 LBS [9 Kg]

NORMAL FLOW DIRECTION



2X 1/2"-14 NPT FEMALE PURGE FITTING (OPTIONAL)

3/4"-14 NPT FEMALE



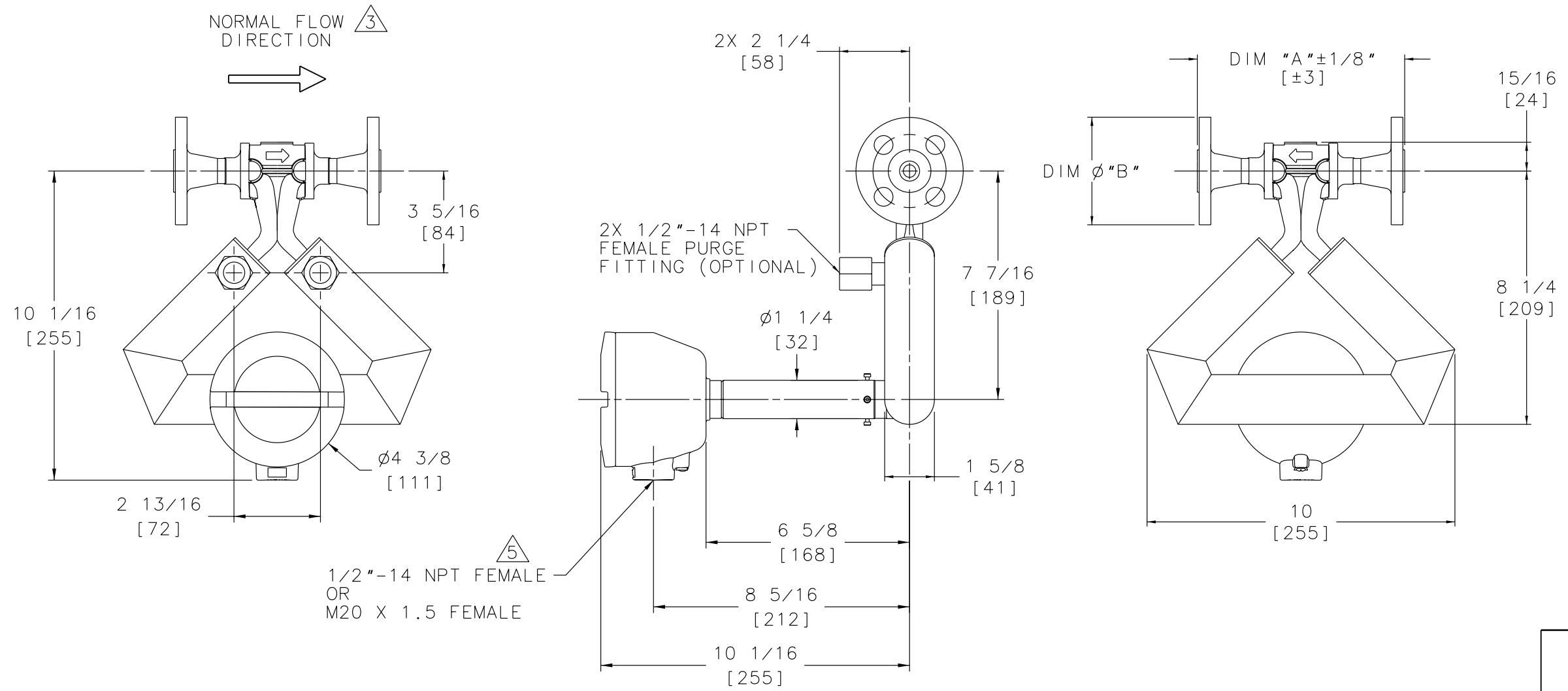
		MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF010M JIS JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SAD	3/17/01	D	EP-3005921	B
CHKD. JLA	4/3/01	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	4/3/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	6 3/4 [172]	$\phi$ 3 1/2 [89]	14 LBS [6 Kg]	19 LBS [9 Kg]
ANSI 300# 1/2"	7 1/8 [181]	$\phi$ 3 3/4 [95]	15 LBS [7 Kg]	20 LBS [9 Kg]
ANSI 600# 1/2"	7 5/8 [194]	$\phi$ 3 3/4 [95]	15 LBS [7 Kg]	20 LBS [9 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO			
		DIM DWG, CMF025M ANSI EXT CORE			
THIRD ANGLE PROJECTION	NAME SES	DATE 7/25/01	SIZE D	DWG. NO. EP-3006147	REV. B
DRAWN SES	CHKD. JLA	DATE 12/5/01	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	6 3/4 [172]	$\phi$ 3 1/2 [89]	13 LBS [6 Kg]	18 LBS [8 Kg]
ANSI 300# 1/2"	7 1/8 [181]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	19 LBS [9 Kg]
ANSI 600# 1/2"	7 5/8 [194]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	19 LBS [9 Kg]

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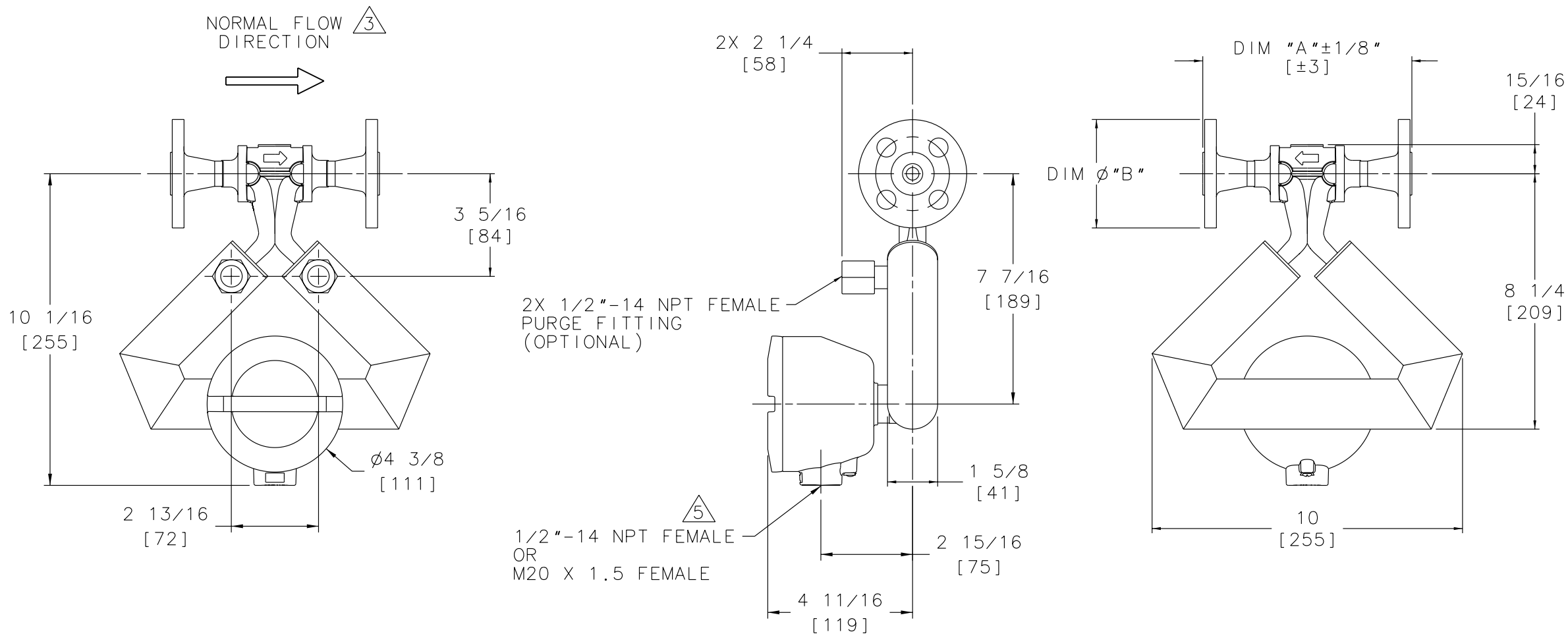
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF025M ANSI CORE PRCSR	
NAME	DATE	SIZE	DWG. NO.
DRAWN LLR	3/17/01	D	EP-3005925
CHKD. JLA	4/3/01	SCALE 1:2	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	4/3/01		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	20 LBS [9 Kg]
JIS 20K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	20 LBS [9 Kg]

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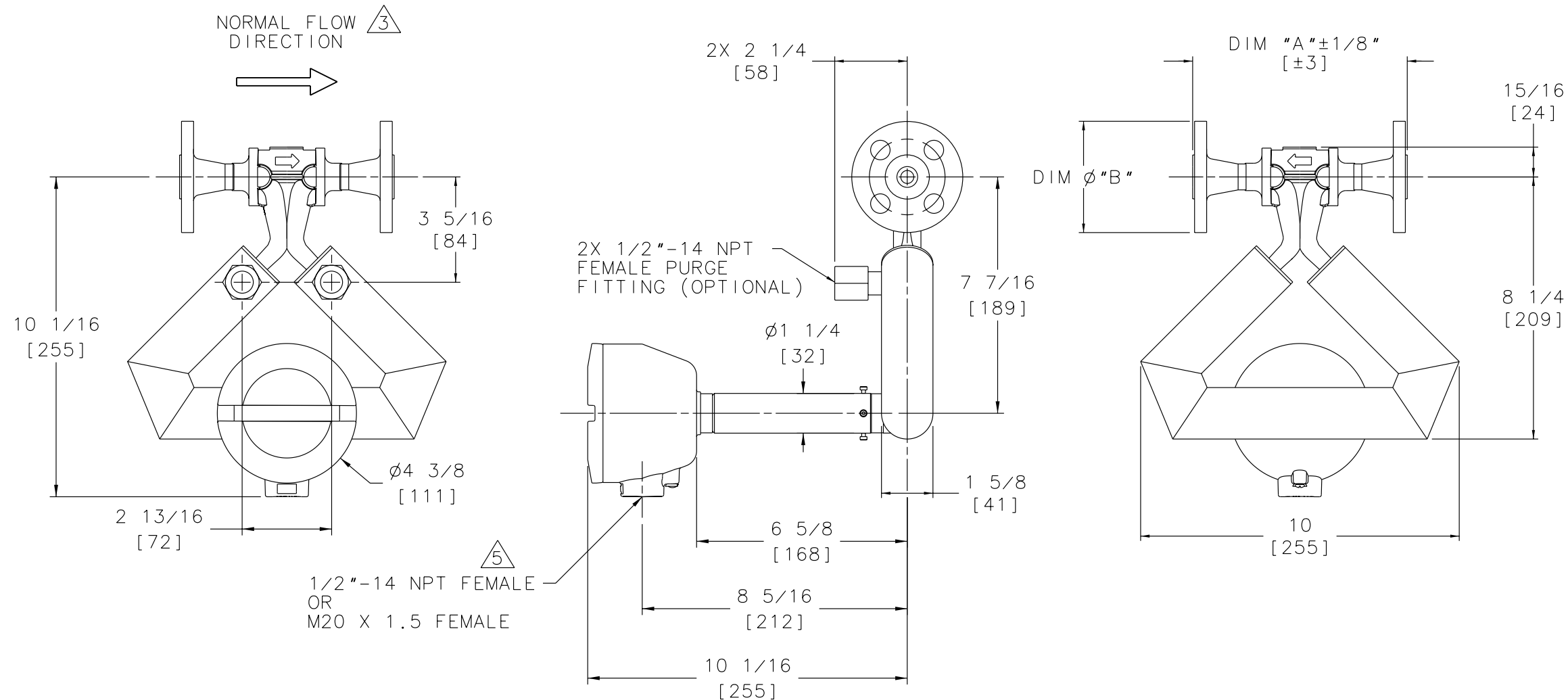
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF025M JIS EXT CORE	
NAME	DATE	SIZE	DWG. NO.
SEB	7/25/01	D	EP-3006151
CHKD.	JLA	12/5/01	B
APVD.	JLA	12/5/01	SCALE 1:2 DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION FOR WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	18 LBS [9 Kg]
JIS 20K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	18 LBS [9 Kg]

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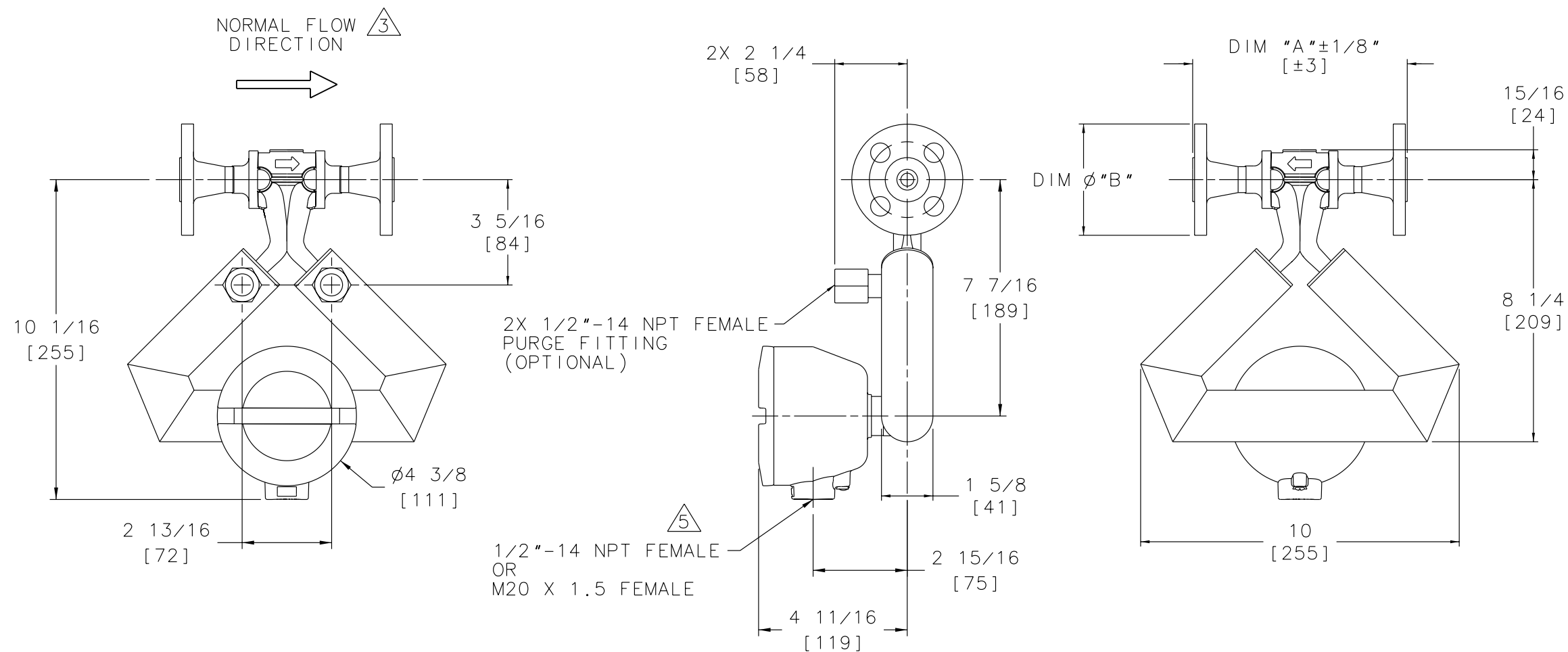
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF025M JIS CORE PRCSR	
NAME	DATE	SIZE	DWG. NO.
LLR	3/17/01	D	EP-3005929
CHKD.	JLA	4/3/01	B
APVD.	JLA	4/3/01	SCALE 1:2
DO NOT SCALE DRAWING		SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	6 3/4 [172]	3 1/2 [89]	9 LBS [4 Kg]	14 LBS [7 Kg]
ANSI CL 300 1/2"	7 1/8 [181]	3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]
ANSI CL 600 1/2"	7 5/8 [194]	3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]

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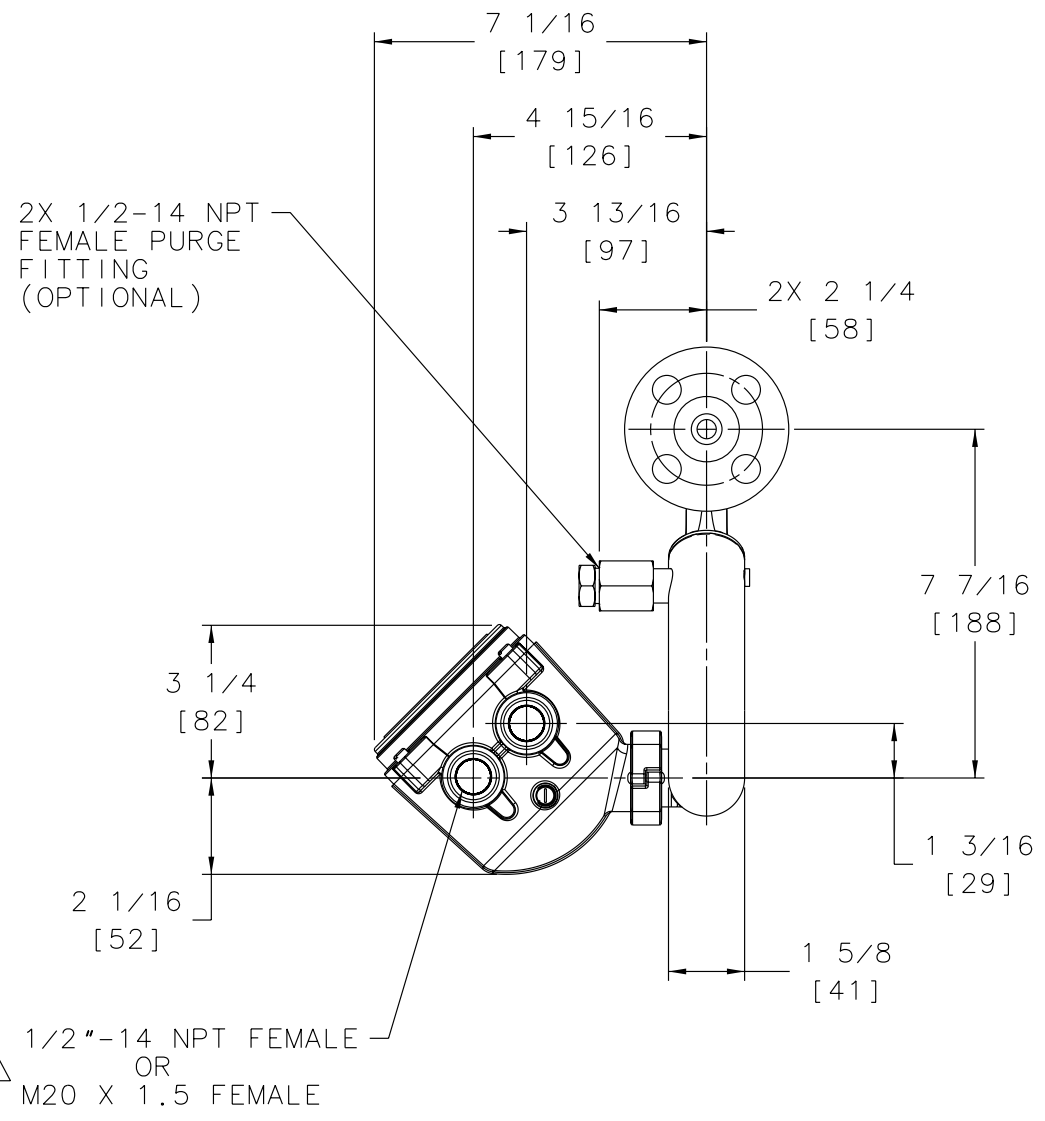
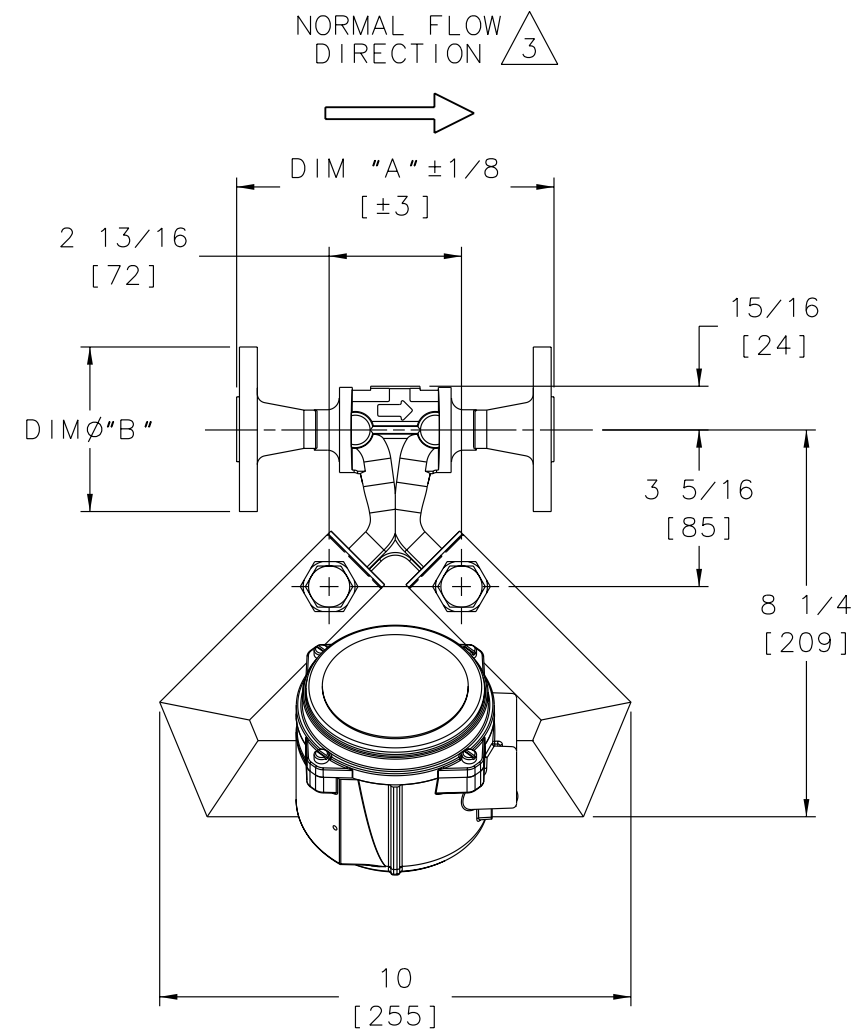
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF025M ANSI ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	RDR	9/26/05	D	20004564	A
CHKD.	RBG	7/27/06	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	RBG	7/27/06			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① PROCESS CONNECTION:  
 ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	6 3/4 [172]	3 1/2 [89]	10 LBS [5 Kg]	15 LBS [7 Kg]
ANSI CL 300 1/2"	7 1/8 [181]	3 3/4 [95]	11 LBS [5 Kg]	16 LBS [8 Kg]
ANSI CL 600 1/2"	7 5/8 [194]	3 3/4 [95]	11 LBS [5 Kg]	17 LBS [8 Kg]

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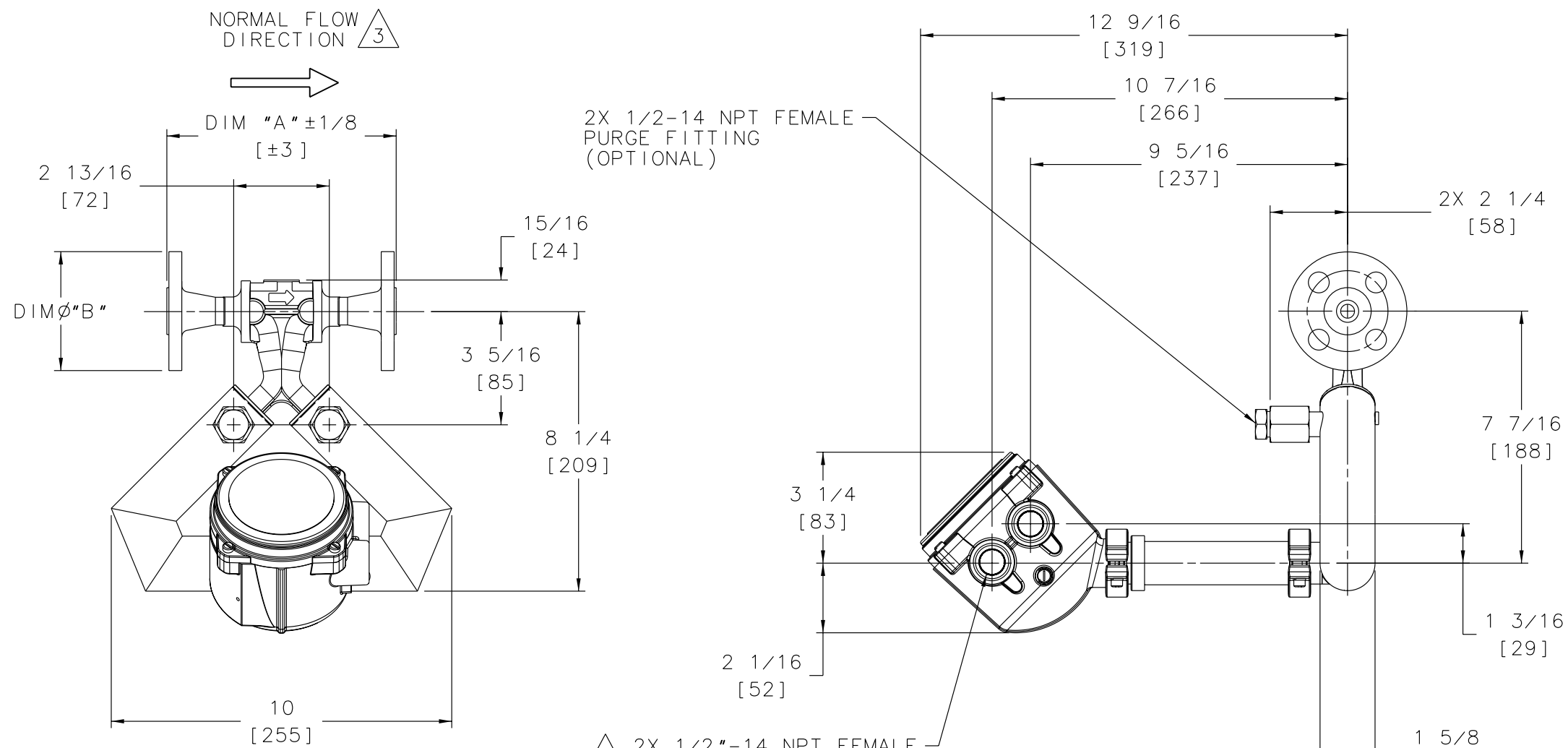
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF025M ANSI EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	RDR	9/26/05	D	20004573	A
CHKD.	RBG	7/27/06	SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	RBG	7/27/06	COPYRIGHT 2002 MICRO MOTION, INC. ALL RIGHTS RESERVED		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]
JIS 20K 15MM	6 1/8 [156]	3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]

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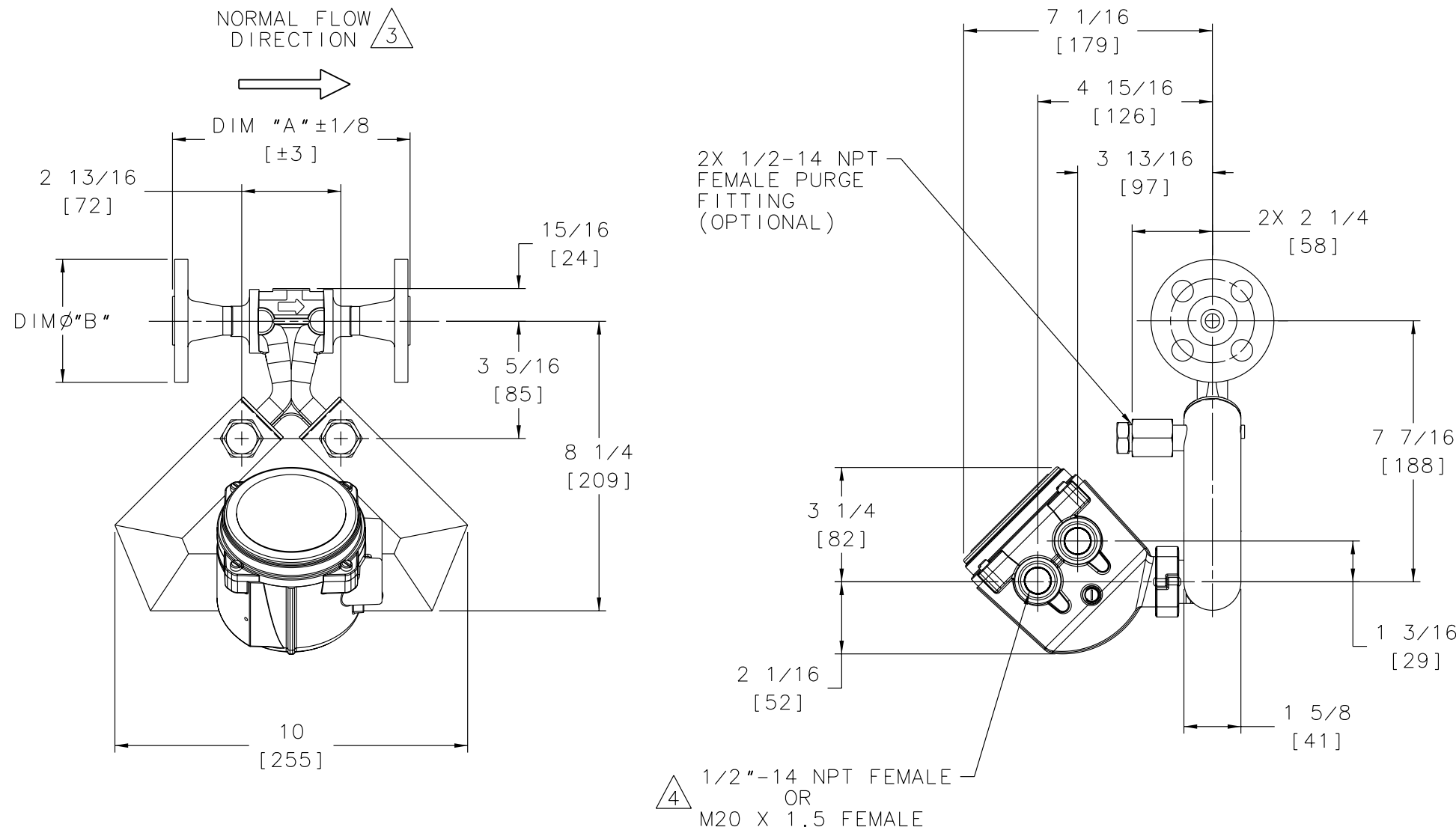
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MATERIAL:		UNLESS OTHERWISE SPECIFIED		PART OR REF. NO.		MATL. OR MFR		QTY.	
DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.5M 1994		DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMAL: .XX ±.02, .XXX ±.010 FRACTION: ±1/32 ANGULAR: ±1° FINISH: 125 $\mu$ m Ra		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO		DIM DWG, CMF025M JIS ENHANCED CORE		REMOVE ALL BURRS AND BREAK ALL SHARP EDGES	
NAME	DATE	THIRD ANGLE PROJECTION		SIZE	DWG. NO.	REV.			
DRWN: RDR	9/26/05			D	20004567	A			
CHKD: RBG	7/27/06	SCALE 1:2		DO NOT SCALE DRAWING		SHEET 1 OF 1			
APVD: RBG	7/27/06								

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	3 3/4 [95]	11 LBS [5 Kg]	16 LBS [8 Kg]
JIS 20K 15MM	6 1/8 [156]	3 3/4 [95]	11 LBS [5 Kg]	16 LBS [8 Kg]

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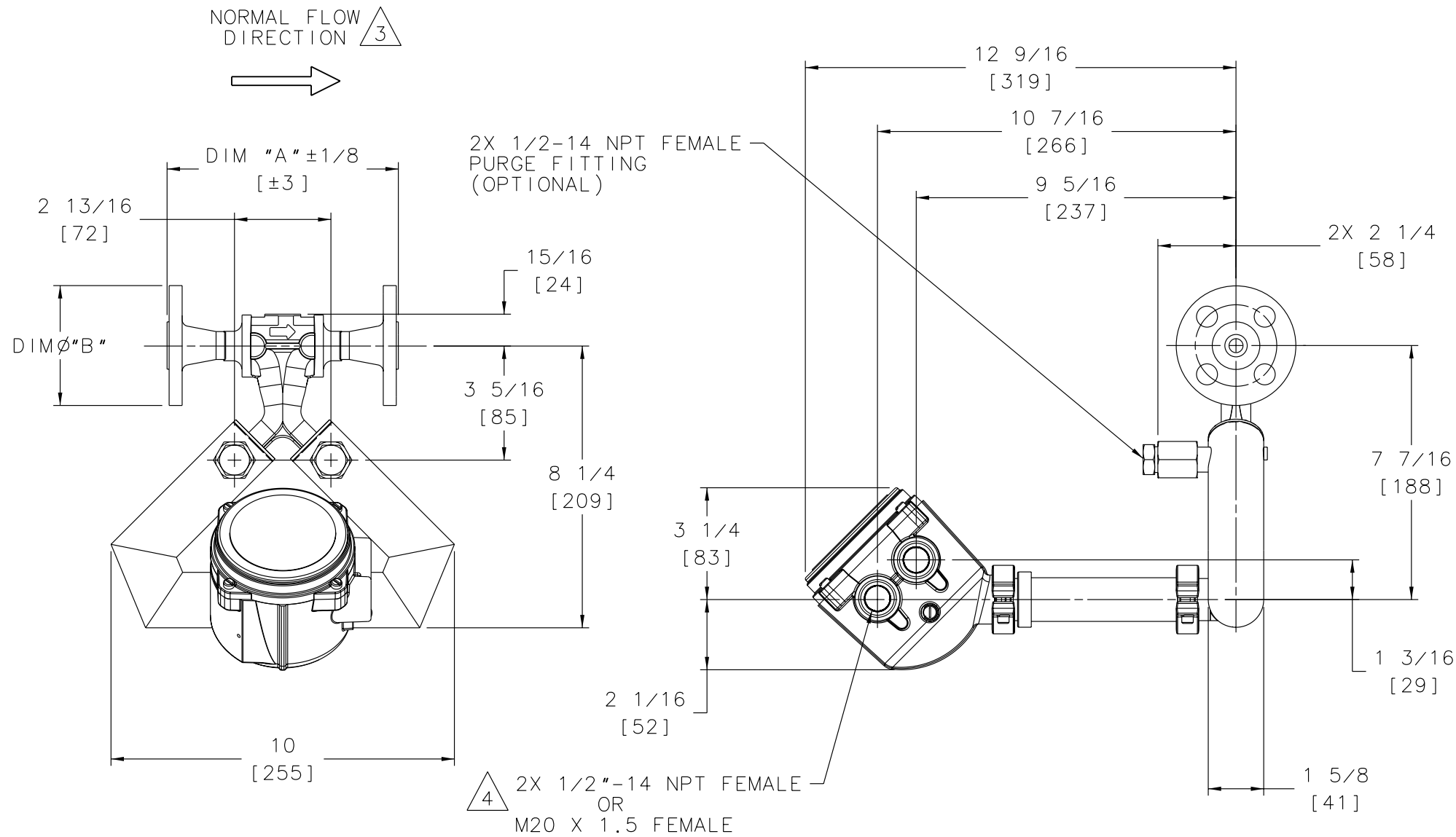
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF025M JIS EXT ENHANCED CORE	
NAME	DATE	SIZE	DWG. NO.
RDR	9/26/05	D	20004576
CHKD.	RBG	7/27/06	A
APVD.	RBG	7/27/06	SCALE 1:2 DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	6 3/4 [172]	$\phi$ 3 1/2 [89]	9 LBS [4 Kg]	14 LBS [7 Kg]
ANSI 300# 1/2"	7 1/8 [181]	$\phi$ 3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]
ANSI 600# 1/2"	7 5/8 [194]	$\phi$ 3 3/4 [95]	10 LBS [5 Kg]	16 LBS [7 Kg]

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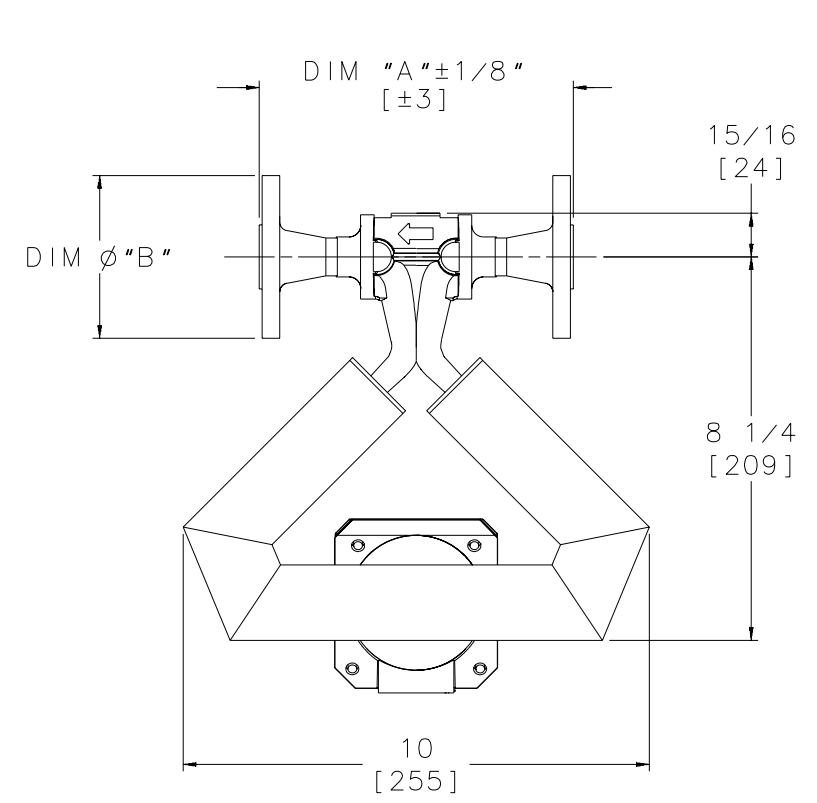
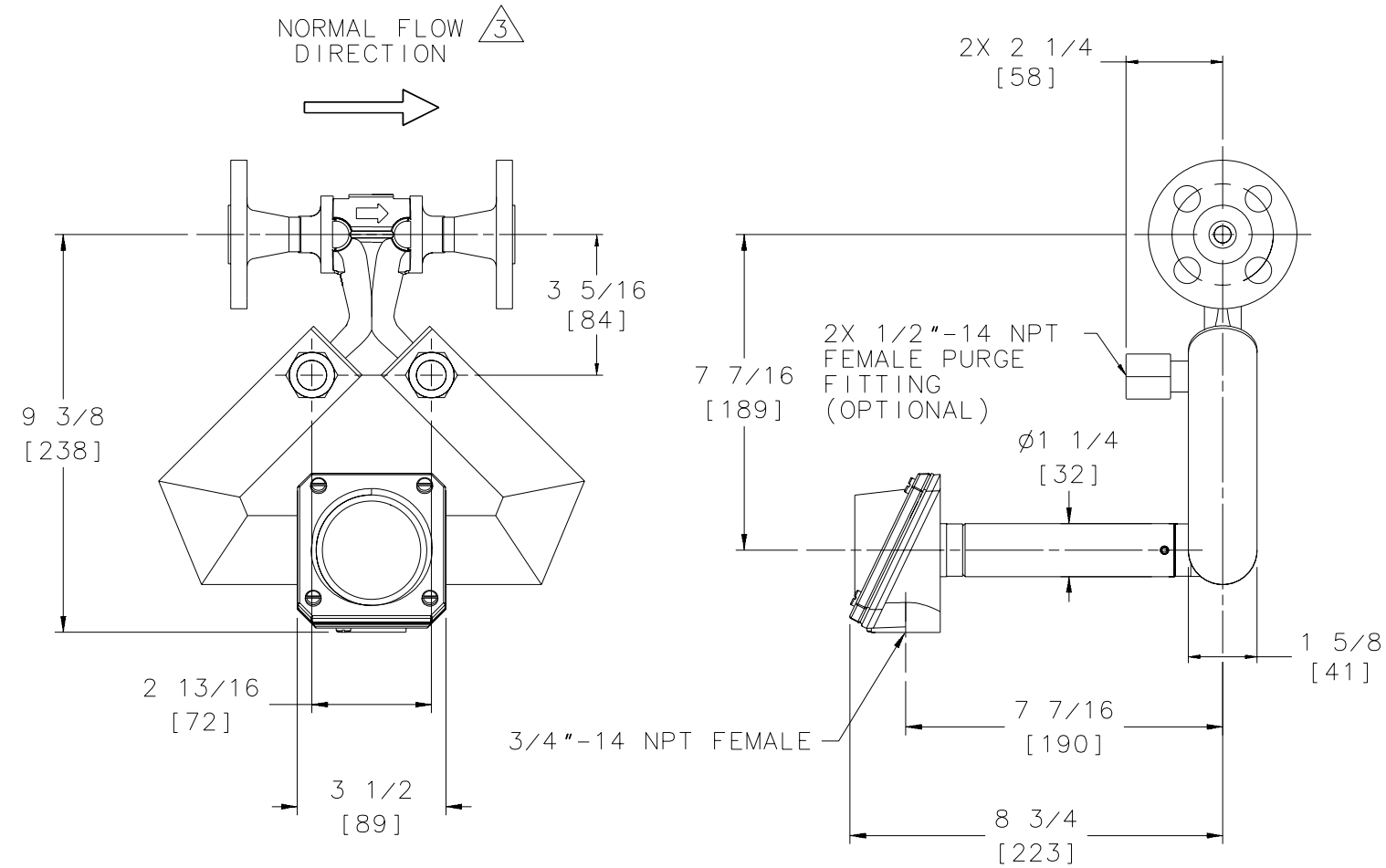
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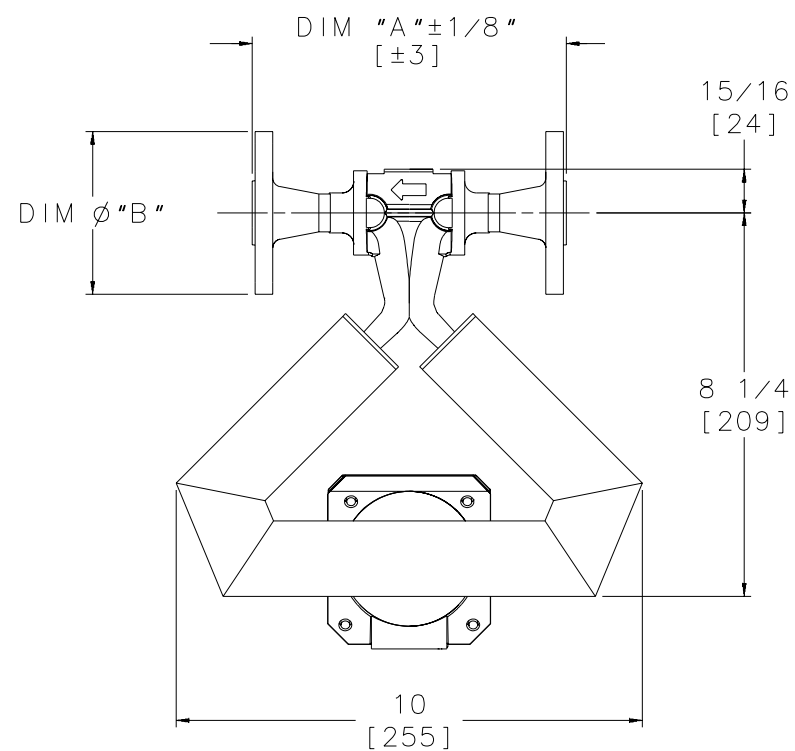
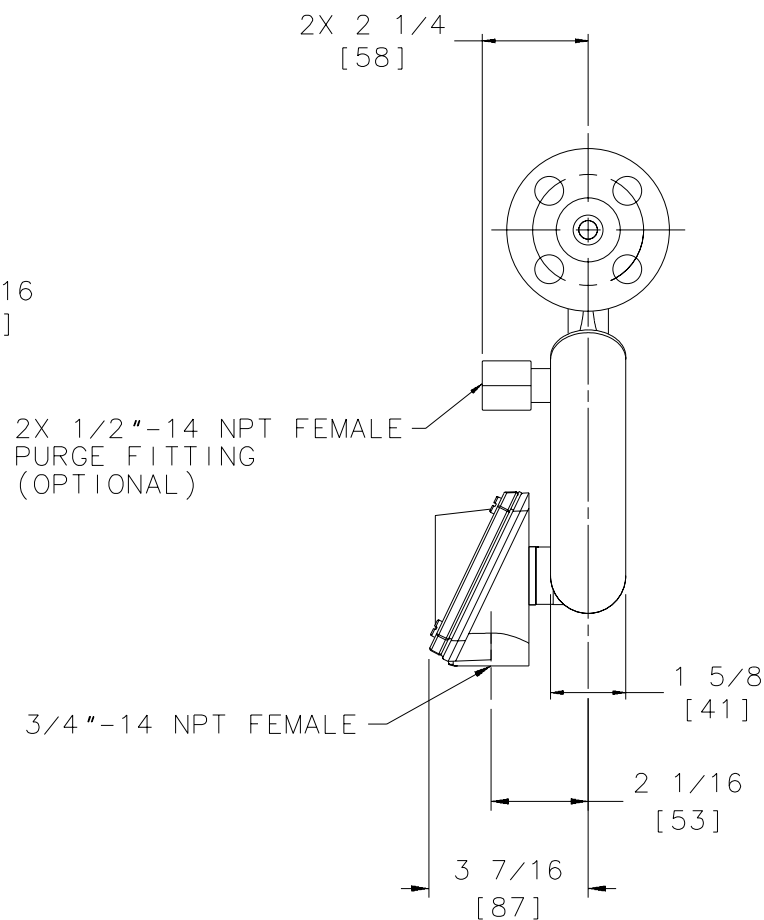
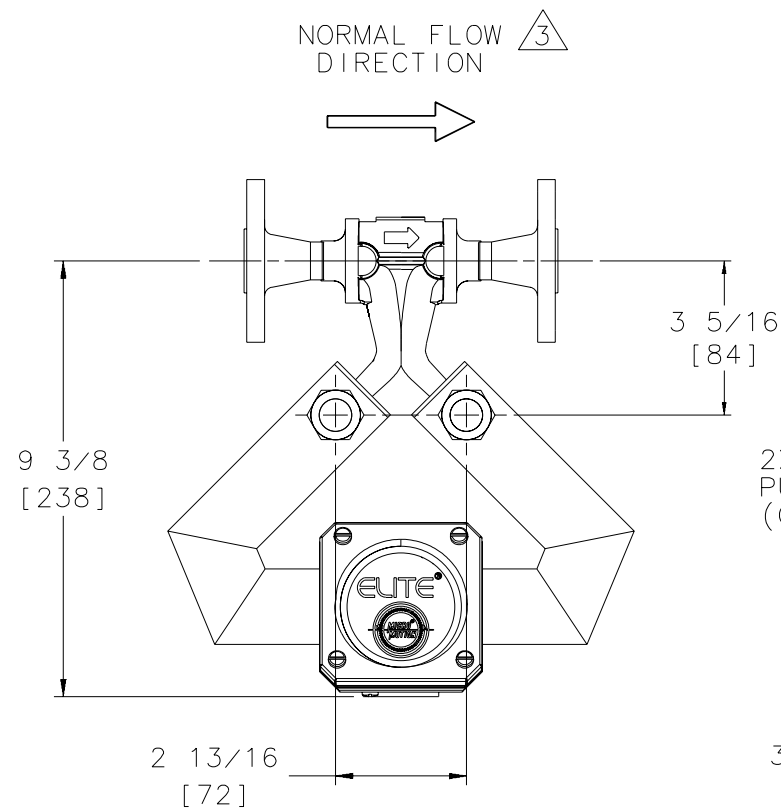
		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF025M ANSI EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006148
CHKD. JLA	12/5/01	SCALE 1:2	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	12/5/01		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	6 3/4 [172]	$\phi$ 3 1/2 [89]	8 LBS [4 Kg]	13 LBS [6 Kg]
ANSI 300# 1/2"	7 1/8 [181]	$\phi$ 3 3/4 [95]	9 LBS [4 Kg]	14 LBS [7 Kg]
ANSI 600# 1/2"	7 5/8 [194]	$\phi$ 3 3/4 [95]	9 LBS [5 Kg]	14 LBS [7 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF025M ANSI JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN LLR	3/17/01	D	EP-3005926
CHKD. JLA	4/2/01	SCALE 1:2	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	4/2/01		

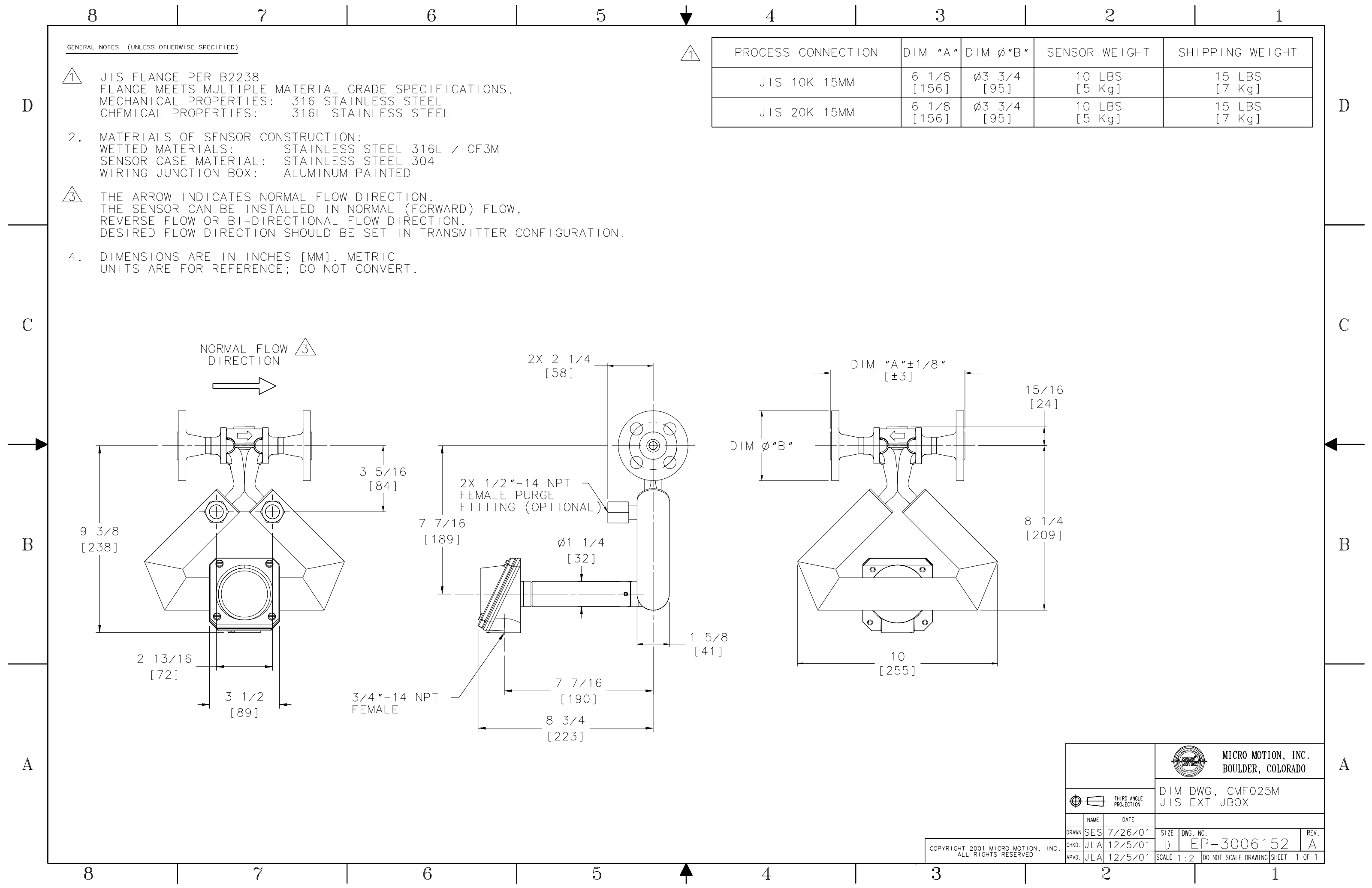
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]
JIS 20K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	10 LBS [5 Kg]	15 LBS [7 Kg]



THIRD ANGLE PROJECTION		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF025M JIS EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006152
CHKD. JLA	12/5/01	SCALE 1:2	DO NOT SCALE DRAWING
APVD. JLA	12/5/01	SHEET 1 OF 1	REV. A

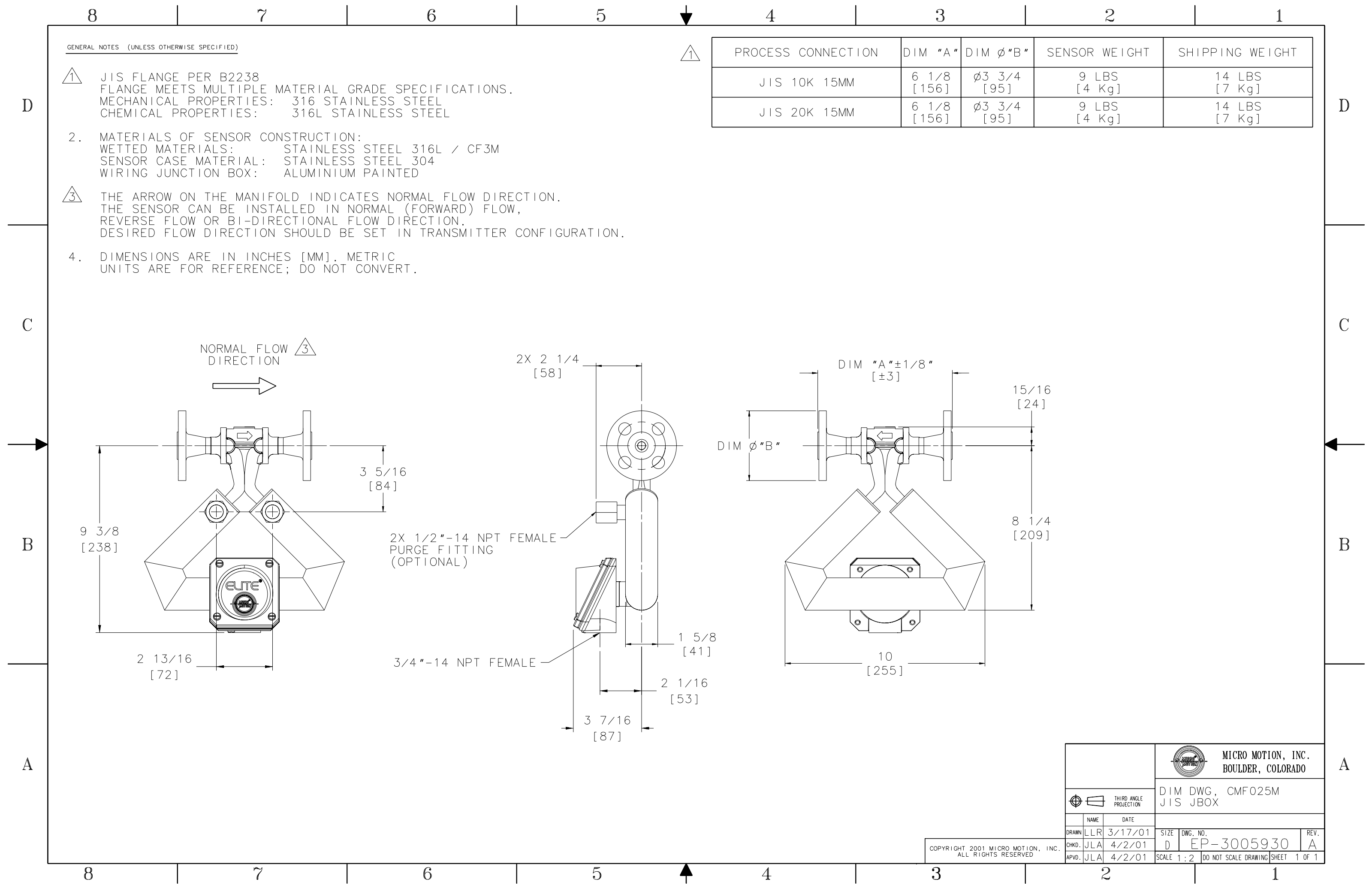
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	9 LBS [4 Kg]	14 LBS [7 Kg]
JIS 20K 15MM	6 1/8 [156]	$\phi$ 3 3/4 [95]	9 LBS [4 Kg]	14 LBS [7 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF025M JIS JBOX	
NAME	DATE	SIZE	DWG. NO.
DRWN: LLR	3/17/01	D	EP-3005930
CHKD: JLA	4/2/01	SCALE 1:2	DO NOT SCALE DRAWING
APVD: JLA	4/2/01	SHEET 1 OF 1	REV. A

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 15/16 [202]	$\phi$ 3 1/2 [89]	18 LBS [8 Kg]	26 LBS [12 Kg]
ANSI 300# 1/2"	8 5/16 [211]	$\phi$ 3 3/4 [95]	19 LBS [9 Kg]	27 LBS [12 Kg]
ANSI 600# 1/2"	8 13/16 [224]	$\phi$ 3 3/4 [95]	19 LBS [9 Kg]	27 LBS [13 Kg]

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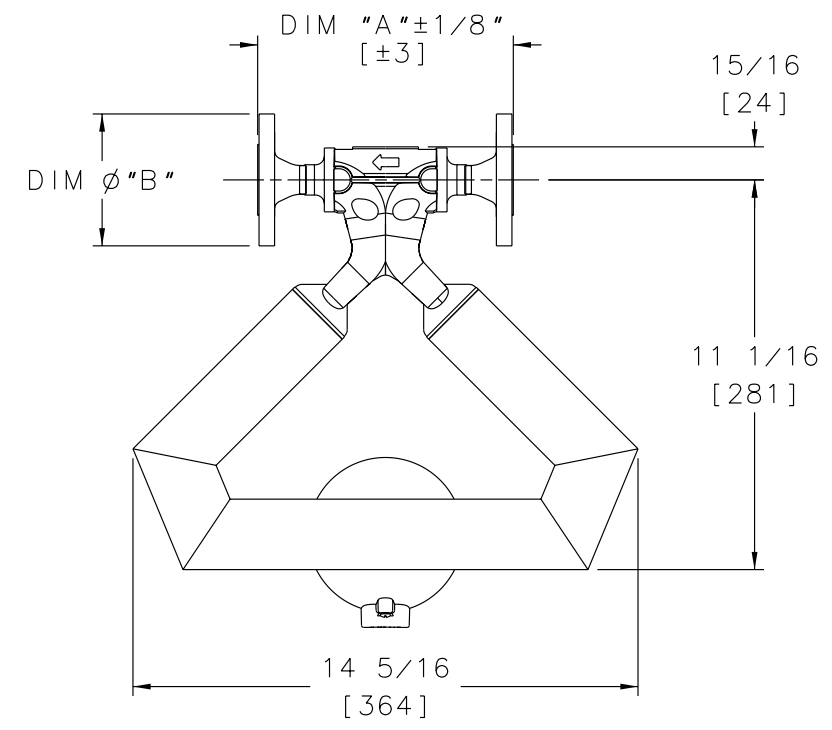
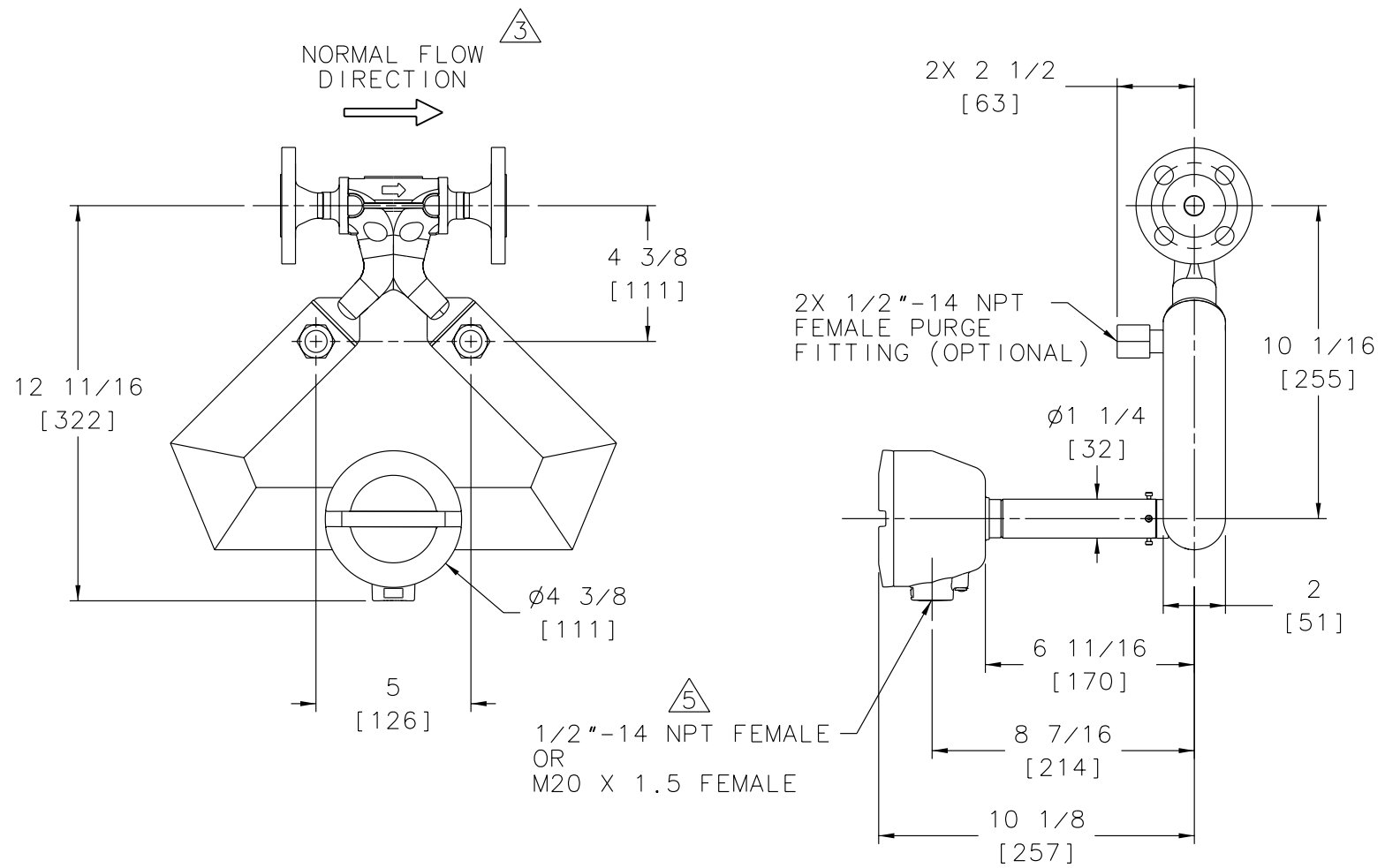
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF050M ANSI EXT CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	SES	7/26/01	D	EP-3006161	B
CHKD.	JLA	12/5/01	SCALE 3:8	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	JLA	12/5/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 15/16 [202]	$\phi$ 3 1/2 [89]	17 LBS [8 Kg]	25 LBS [11 Kg]
ANSI 300# 1/2"	8 5/16 [211]	$\phi$ 3 3/4 [95]	18 LBS [8 Kg]	26 LBS [12 Kg]
ANSI 600# 1/2"	8 13/16 [224]	$\phi$ 3 3/4 [95]	18 LBS [8 Kg]	26 LBS [12 Kg]

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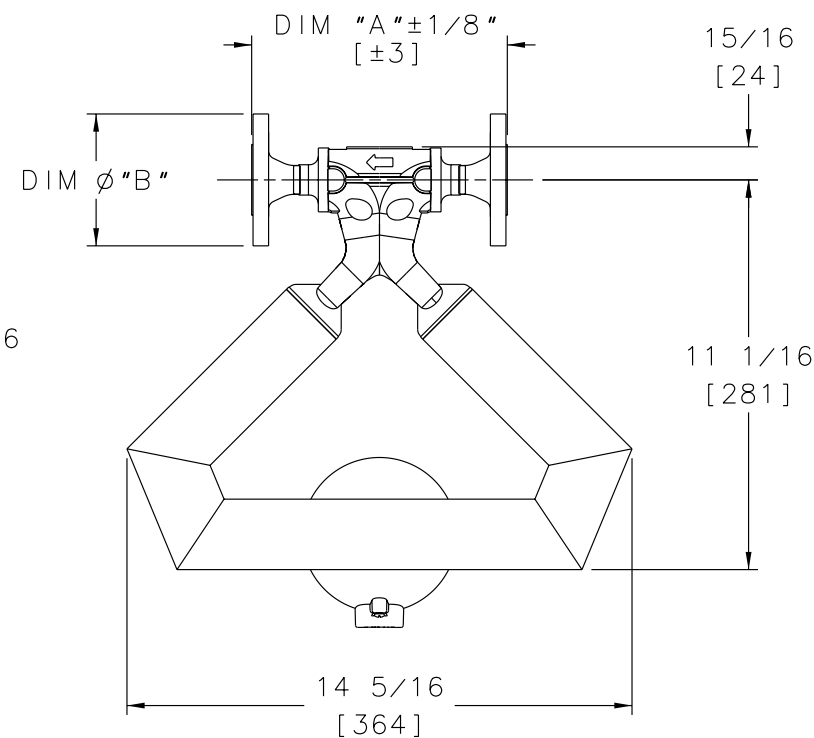
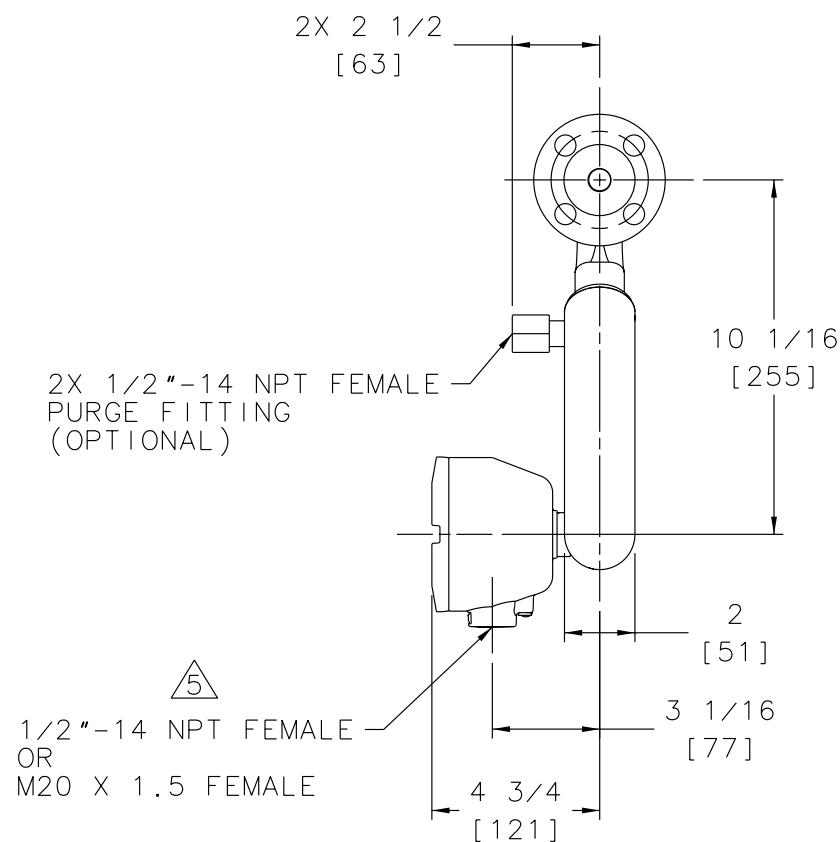
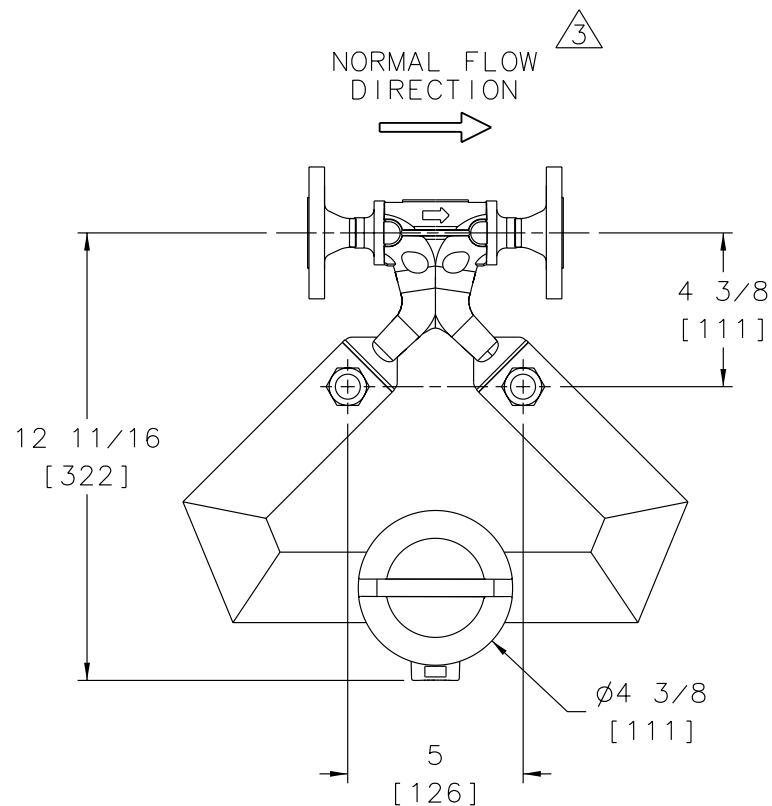
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		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF050M ANSI CORE PRCSR	
NAME	DATE	SIZE	DWG. NO.
DRAWN SAD	3/17/01	D	EP-3005939
CHKD. JLA	4/3/01	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	4/3/01		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	18 LBS [9 Kg]	27 LBS [12 Kg]
JIS 20K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	18 LBS [9 Kg]	27 LBS [12 Kg]

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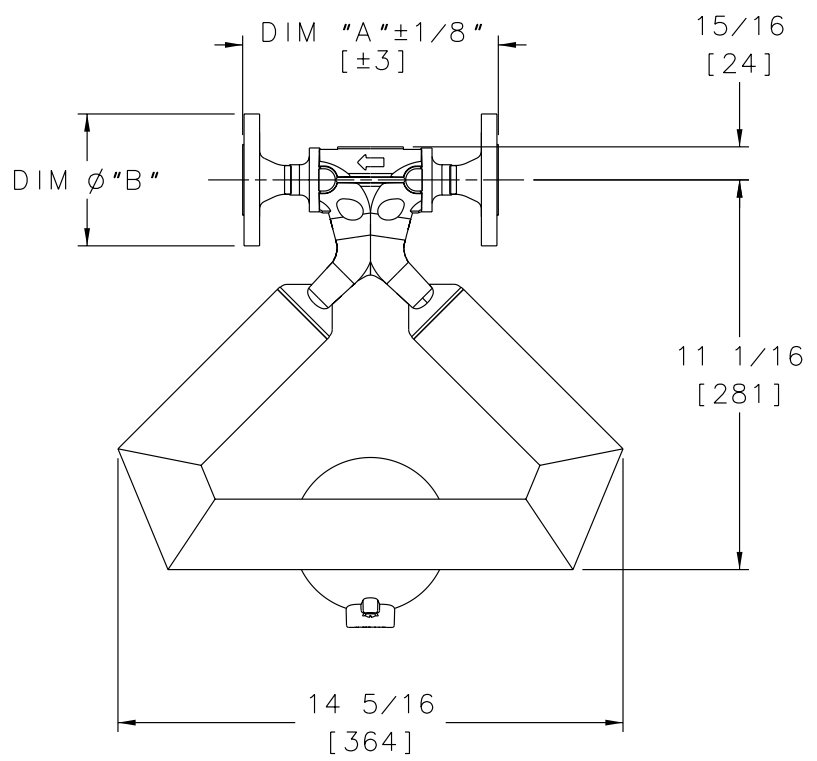
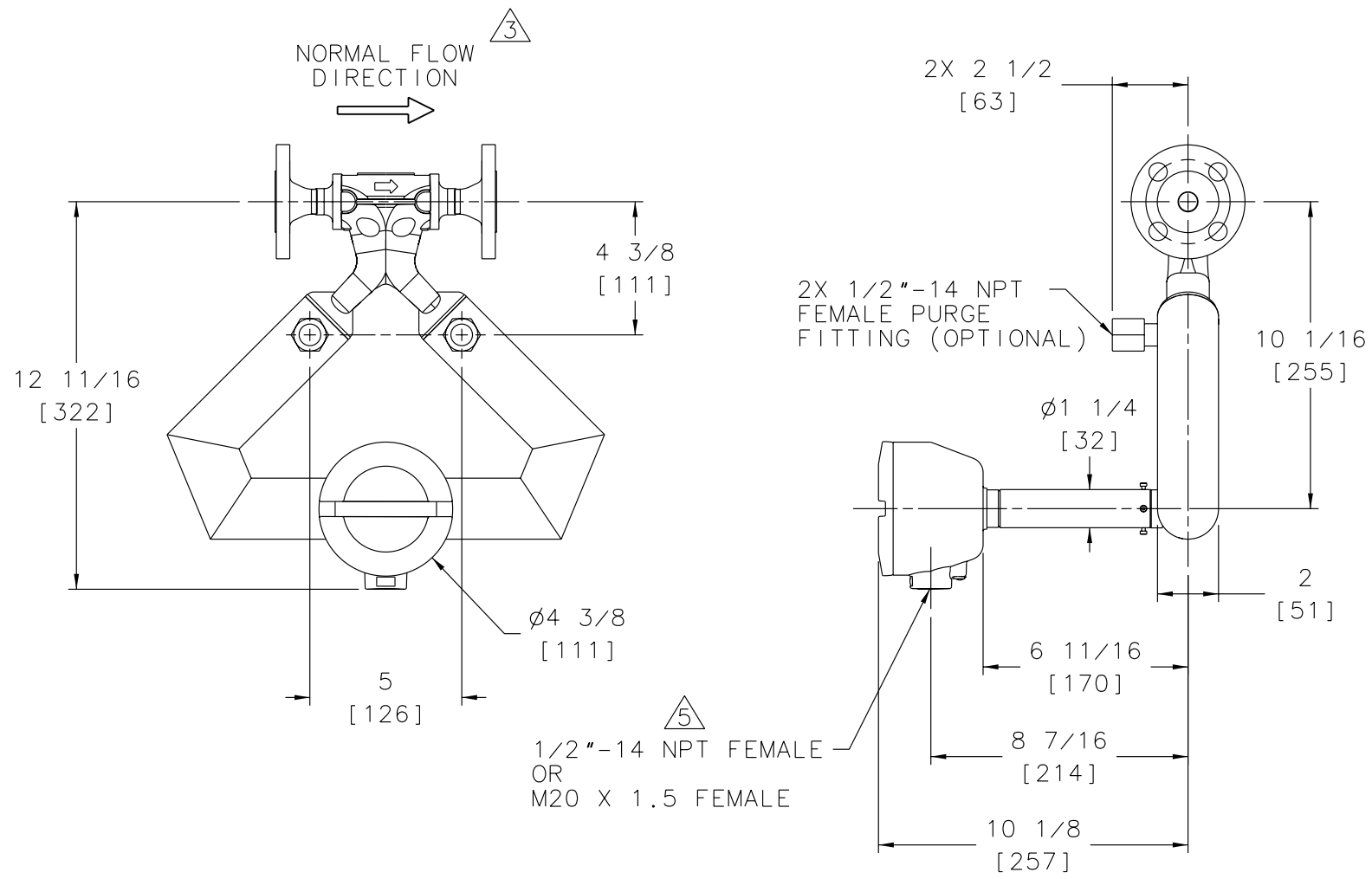
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF050M JIS EXT CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006165
CHKD. JLA	12/5/01	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	12/5/01		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	17 LBS [8 Kg]	25 LBS [12 Kg]
JIS 20K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	17 LBS [8 Kg]	25 LBS [12 Kg]

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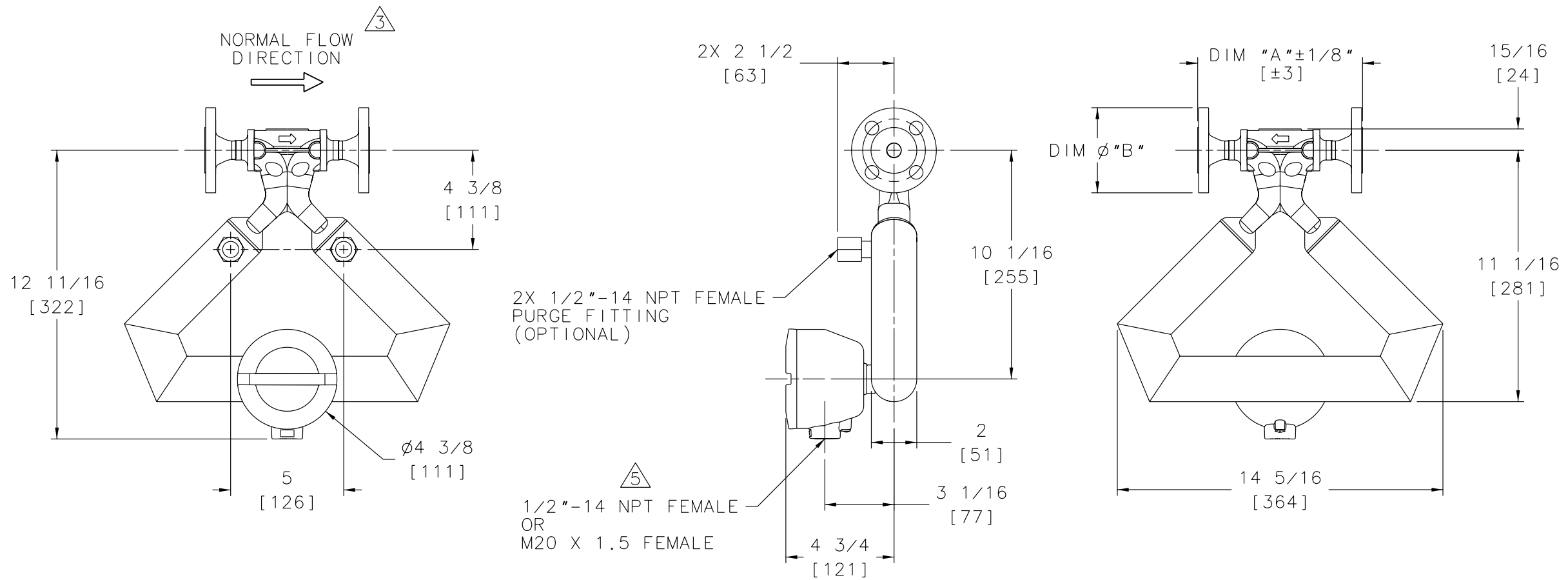
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2X 1/2"-14 NPT FEMALE  
PURGE FITTING  
(OPTIONAL)

⑤  
1/2"-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE

		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF050M JIS CORE PRCSR	
NAME	DATE	SIZE	DWG. NO.
DRAWN SAD	3/17/01	D	EP-3005943
CHKD. JLA	4/3/01	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1
APVD. JLA	4/3/01		

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	7 15/16 [202]	3 1/2 [89]	13 LBS [6 Kg]	21 LBS [10 Kg]
ANSI CL 300 1/2"	8 5/16 [211]	3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]
ANSI CL 600 1/2"	8 13/16 [224]	3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]

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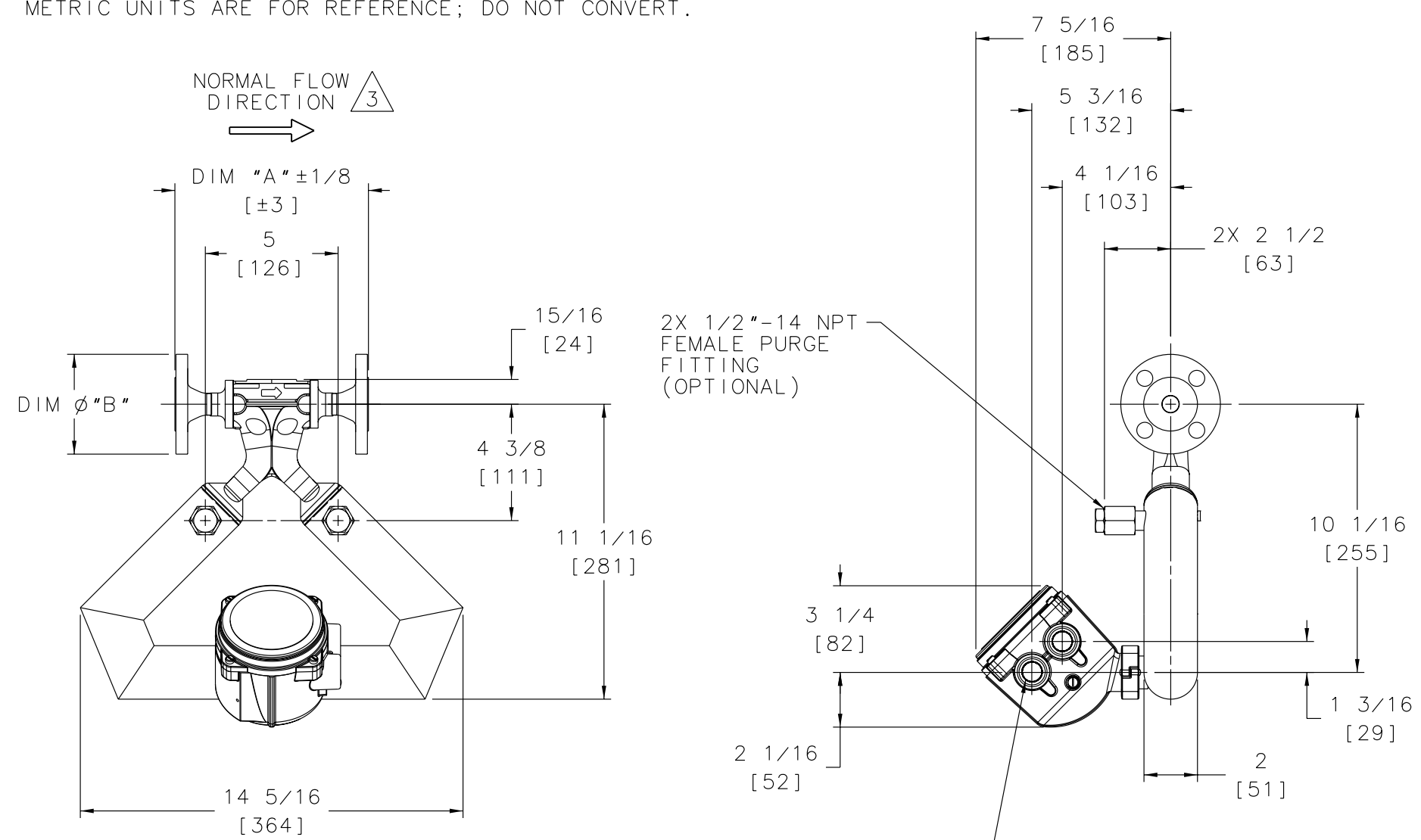
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④ 1/2"-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE

		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF050M ANSI ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/26/05	D	20004582	A
	CHKD.	RBG	7/17/06		
	APVD.	RBG	7/17/06	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316 STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1/2"	7 15/16 [202]	3 1/2 [89]	14 LBS [7 kg]	22 LBS [10 kg]
ANSI CL 300 1/2"	8 5/16 [211]	3 3/4 [95]	15 LBS [7 kg]	23 LBS [11 kg]
ANSI CL 600 1/2"	8 13/16 [224]	3 3/4 [95]	15 LBS [7 kg]	24 LBS [11 kg]

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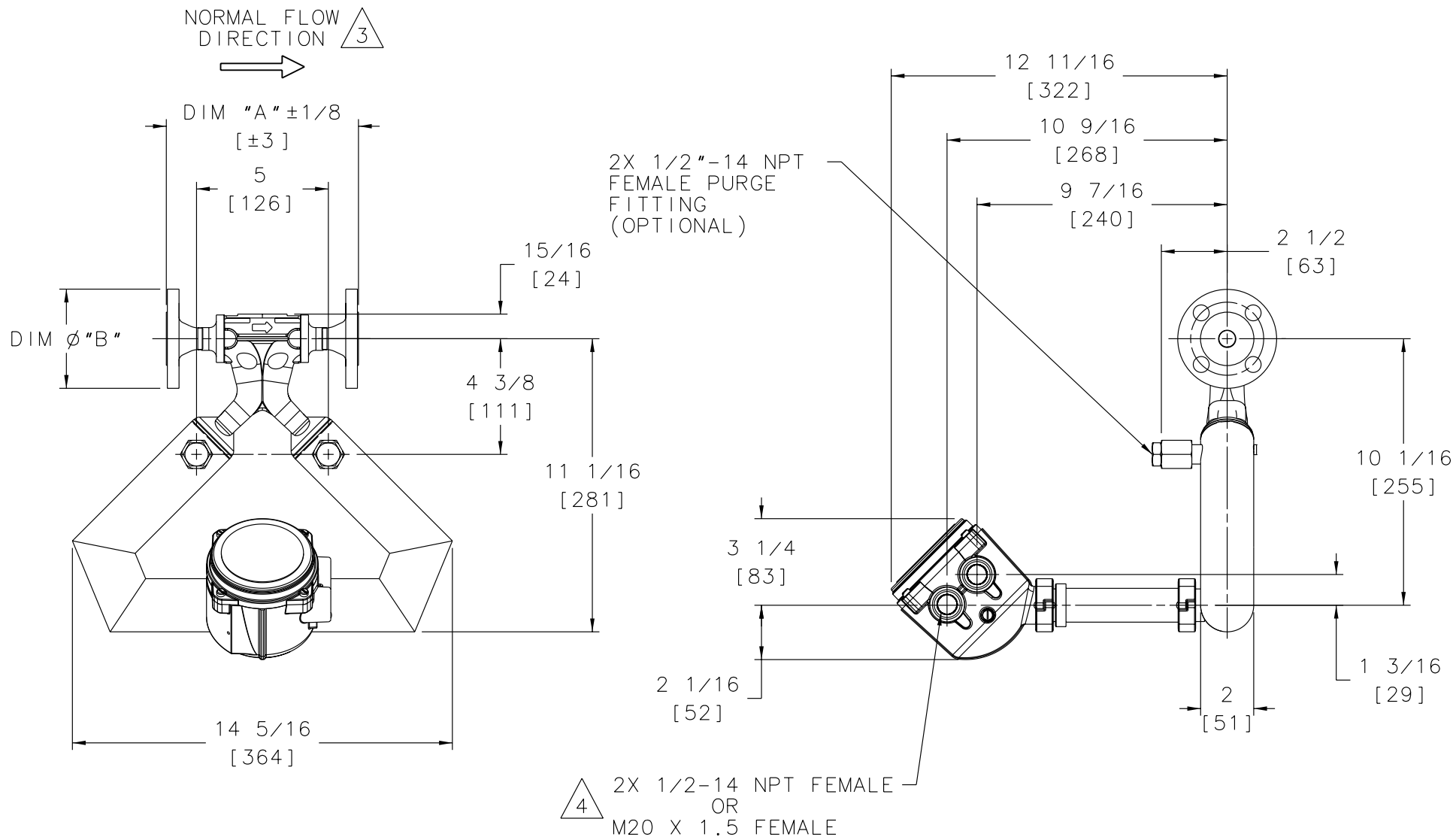
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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF050M ANSI EXT ENHANCED CORE	
DRAWN RDR 9/26/05	NAME DATE	SIZE D	DWG. NO. 20004591
CHKD. RBG 8/3/06	APVD. RBG 8/3/06	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM ø"B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]
JIS 20K 15MM	7 1/4 [184]	3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]

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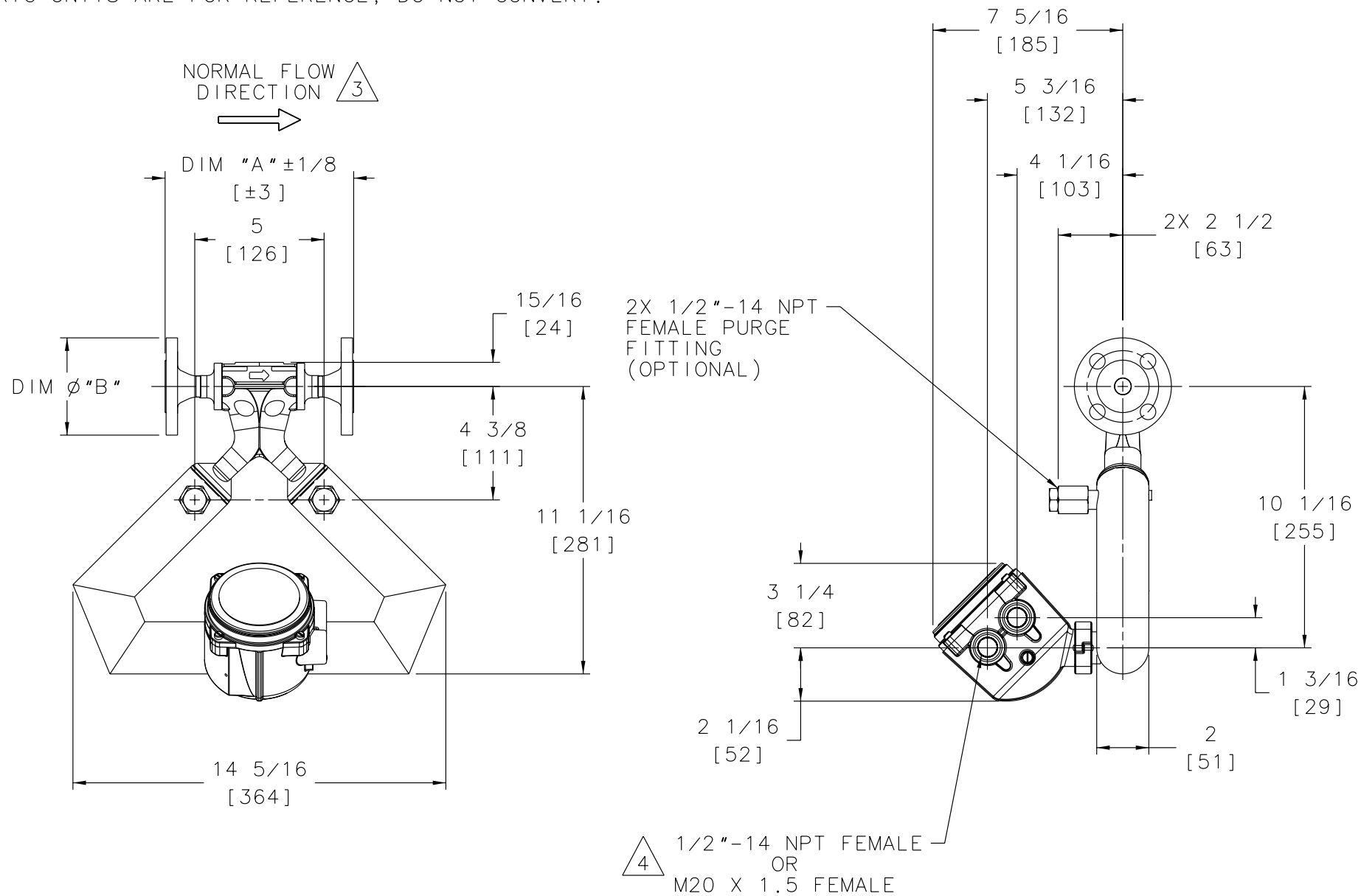
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF050M JIS ENHANCED CORE	
NAME	DATE	SIZE	DWG. NO.
RDR	9/26/05	D	20004585
CHKD.	RBG	8/3/06	REV. A
APVD.	RBG	8/3/06	SCALE 3:8 DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316 STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION  
OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	3 3/4 [95]	15 LBS [7 Kg]	23 LBS [11 Kg]
JIS 20K 15MM	7 1/4 [184]	3 3/4 [95]	15 LBS [7 Kg]	23 LBS [11 Kg]

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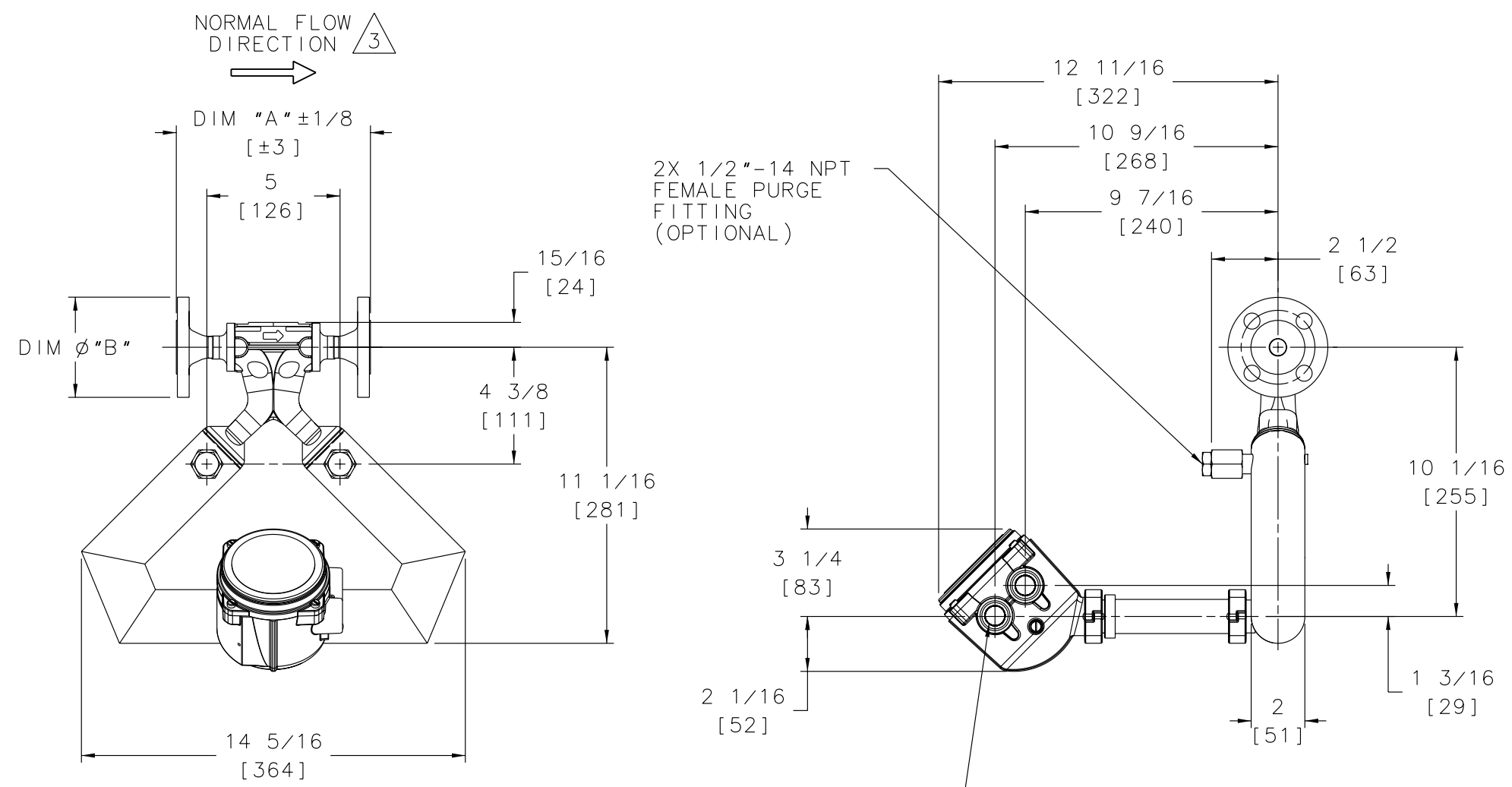
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④ 2X 1/2-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE

		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF050M JIS EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/26/05	D	20004594	A
	CHKD.	RBG	8/3/06		
	APVD.	RBG	8/3/06	SCALE 3:8	DO NOT SCALE DRAWING SHEET 1 OF 1

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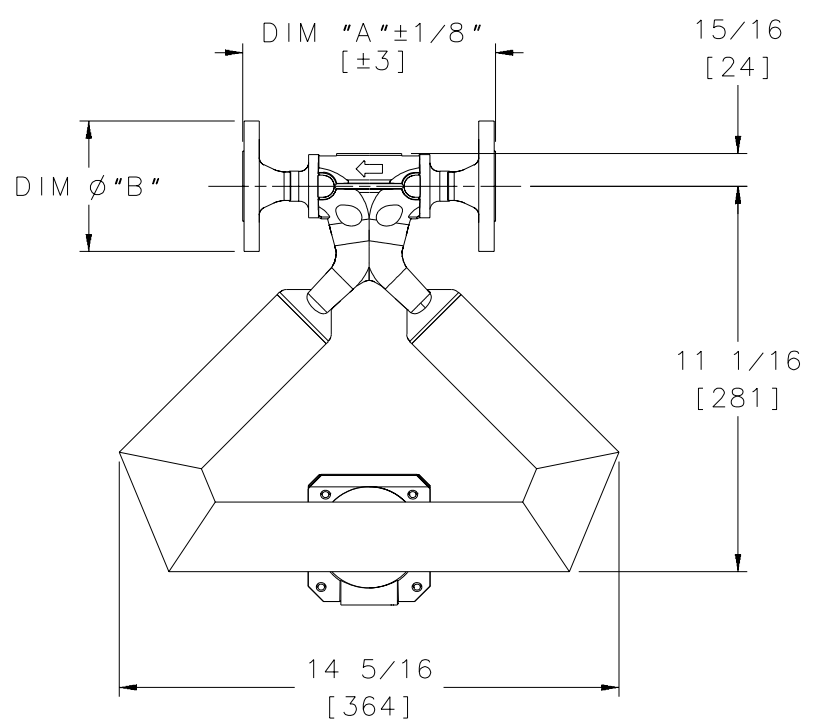
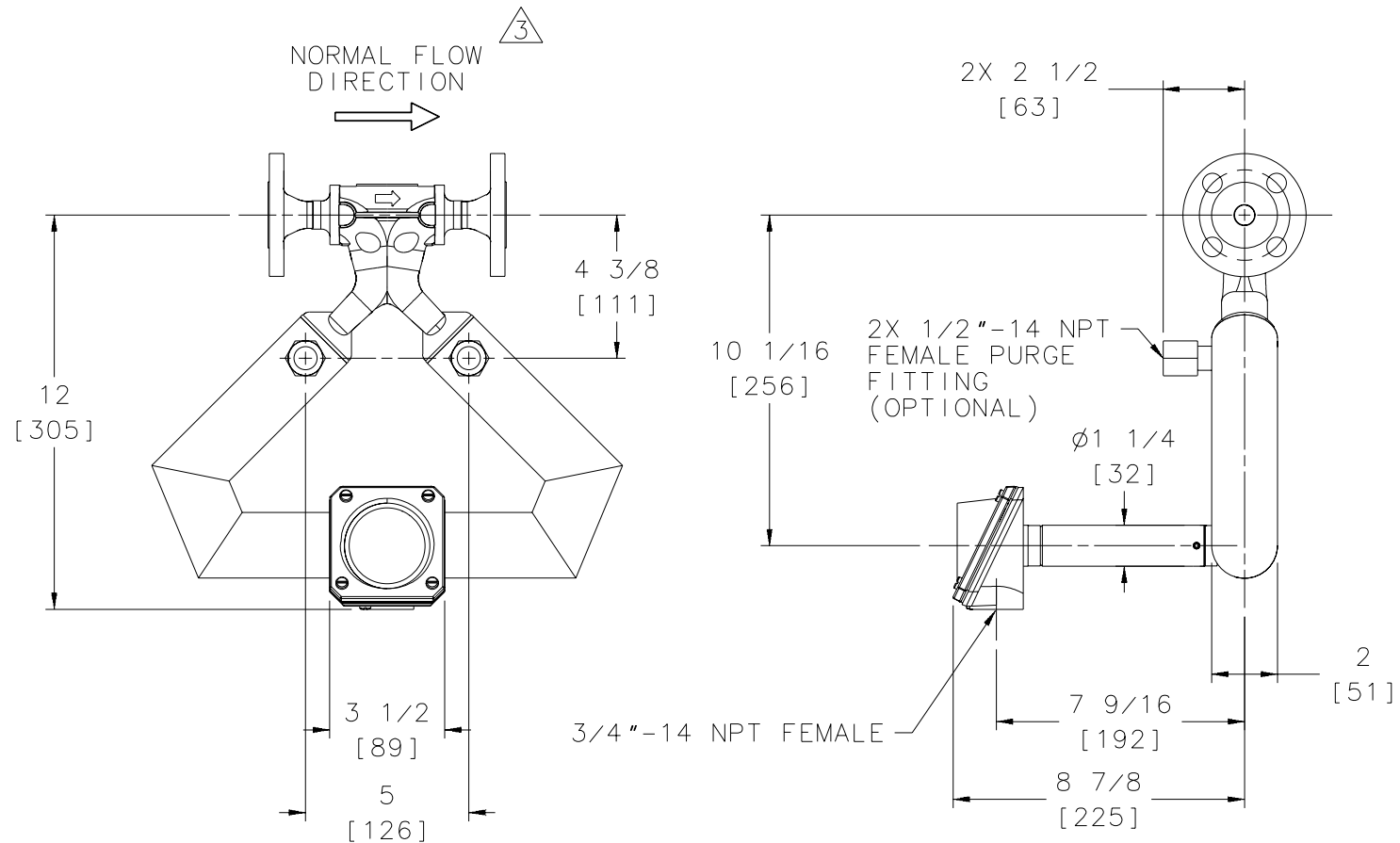
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 15/16 [202]	$\phi$ 3 1/2 [89]	13 LBS [6 Kg]	21 LBS [10 Kg]
ANSI 300# 1/2"	8 5/16 [211]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]
ANSI 600# 1/2"	8 13/16 [224]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	23 LBS [11 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF050M ANSI EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006162
CHKD. JLA	12/5/01	SCALE 3:8	DO NOT SCALE DRAWING
APVD. JLA	12/5/01	SHEET	1 OF 1

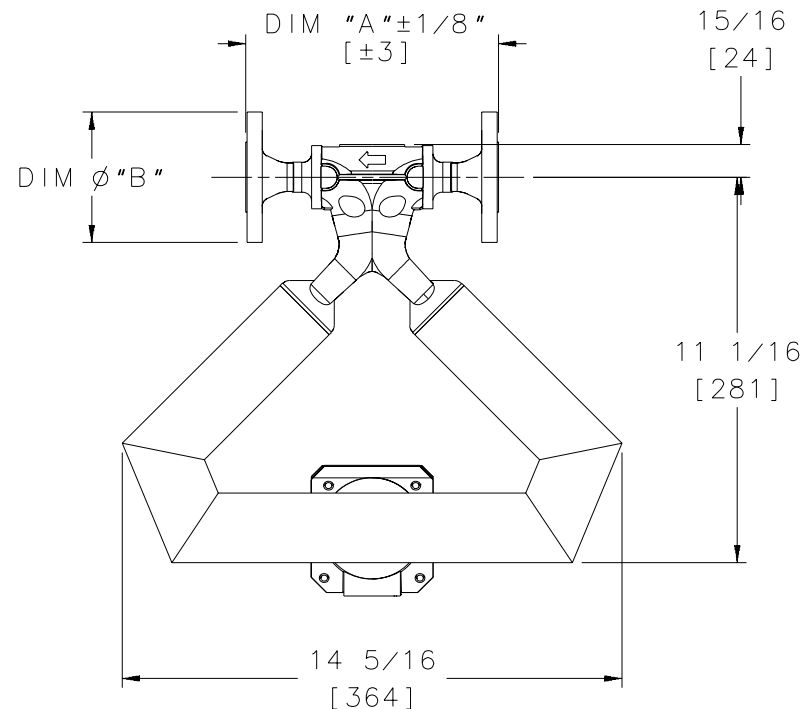
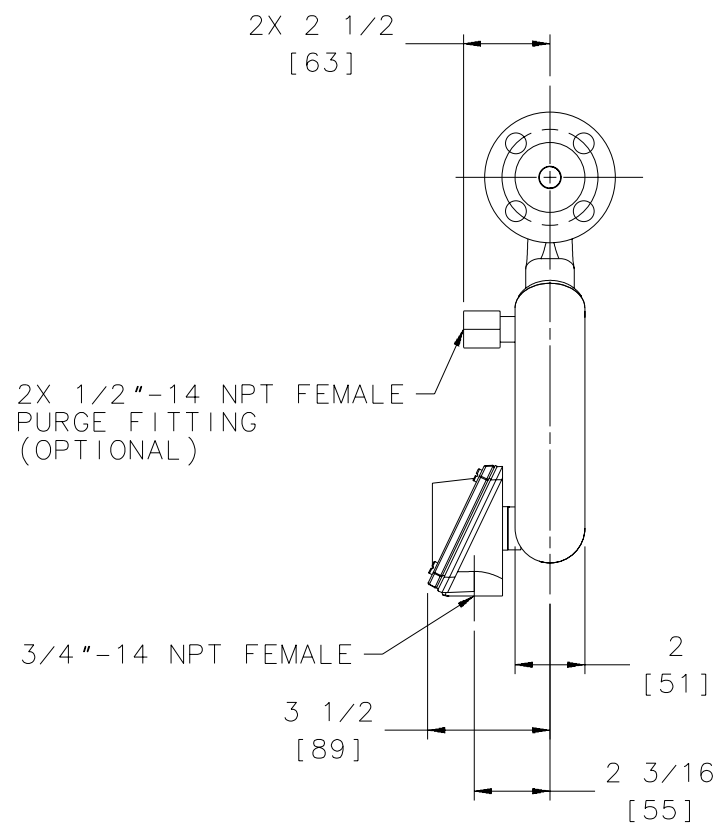
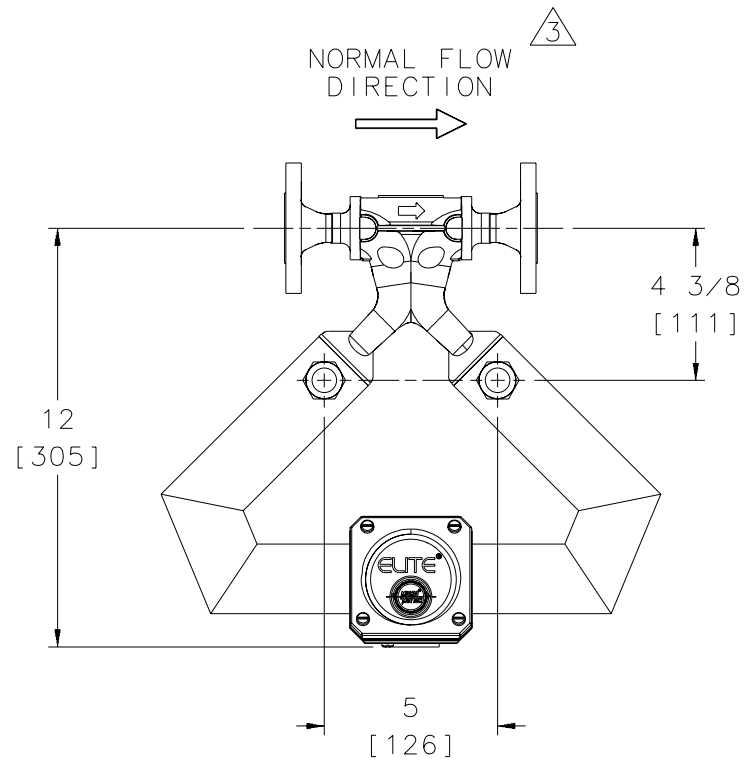
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
 ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: 316L STAINLESS STEEL
2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304  
 WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
 UNITS ARE FOR REFERENCE; DO NOT CONVERT.

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PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1/2"	7 15/16 [202]	$\phi$ 3 1/2 [89]	12 LBS [6 Kg]	20 LBS [9 Kg]
ANSI 300# 1/2"	8 5/16 [211]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	21 LBS [10 Kg]
ANSI 600# 1/2"	8 13/16 [224]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	21 LBS [10 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF050M ANSI JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SAD	3/17/01	D	EP-3005940	A
CHKD. JLA	4/1/01	SCALE 3:8	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	4/1/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

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PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]
JIS 20K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	14 LBS [7 Kg]	22 LBS [10 Kg]

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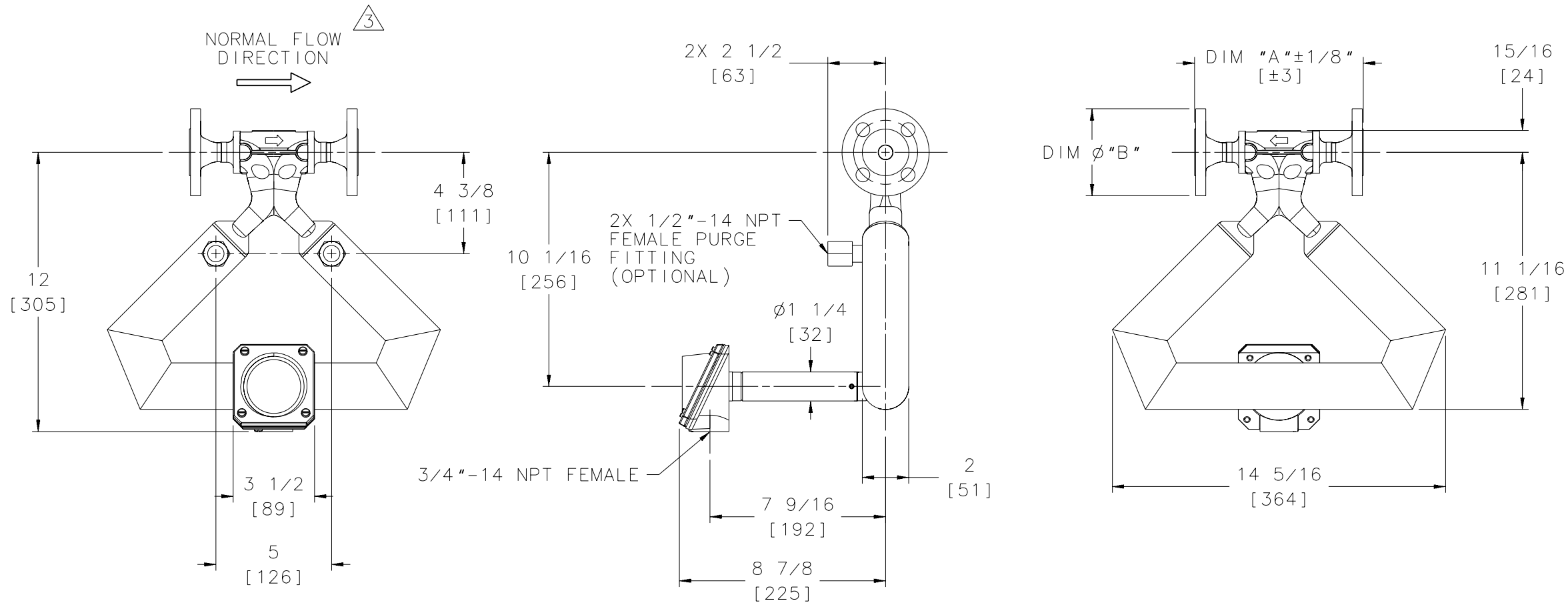
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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF050M JIS EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006166
CHKD. JLA	12/5/01	SCALE 3:8	DO NOT SCALE DRAWING
APVD. JLA	12/5/01	SHEET	1 OF 1

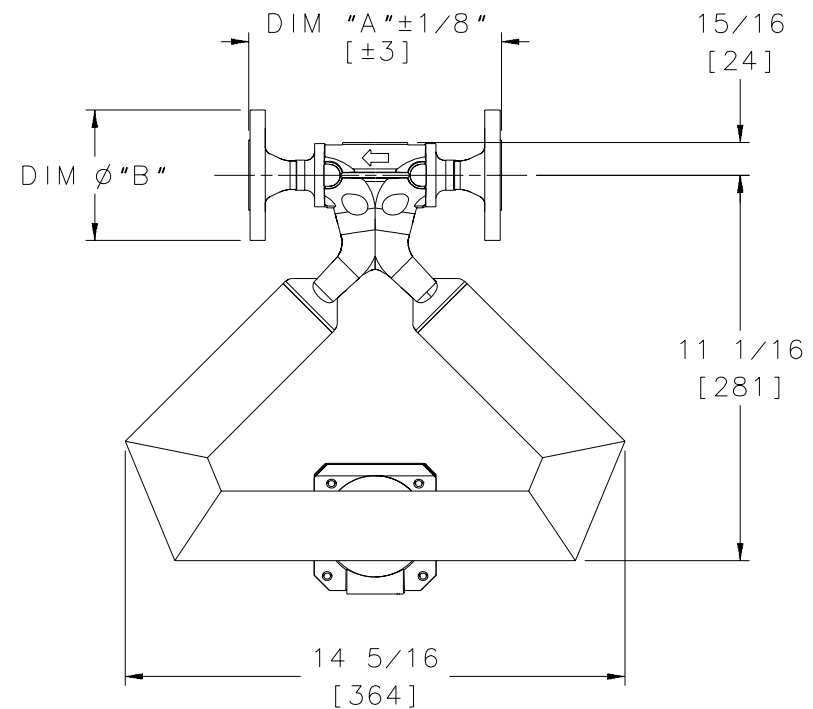
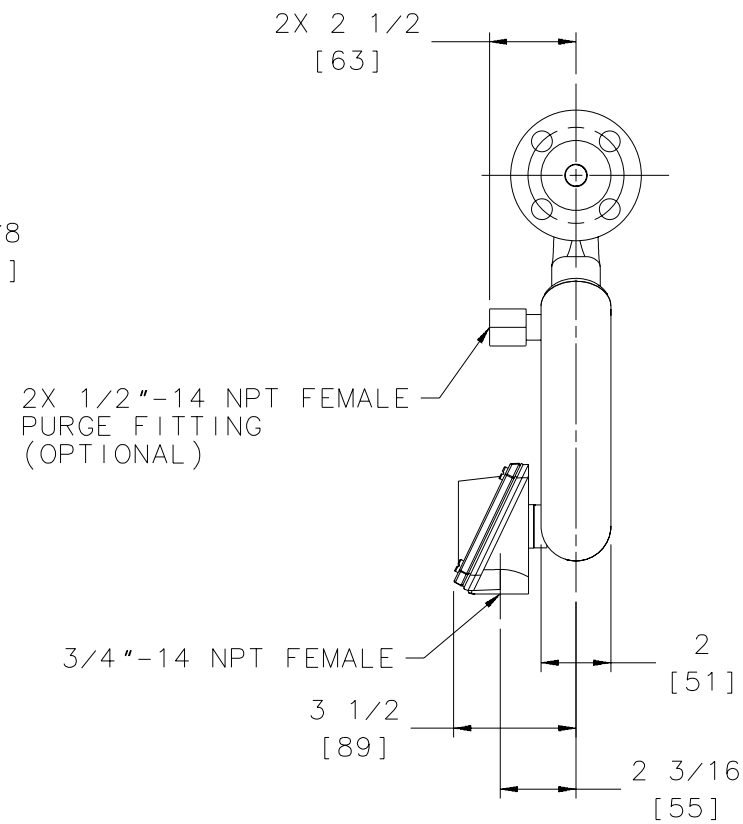
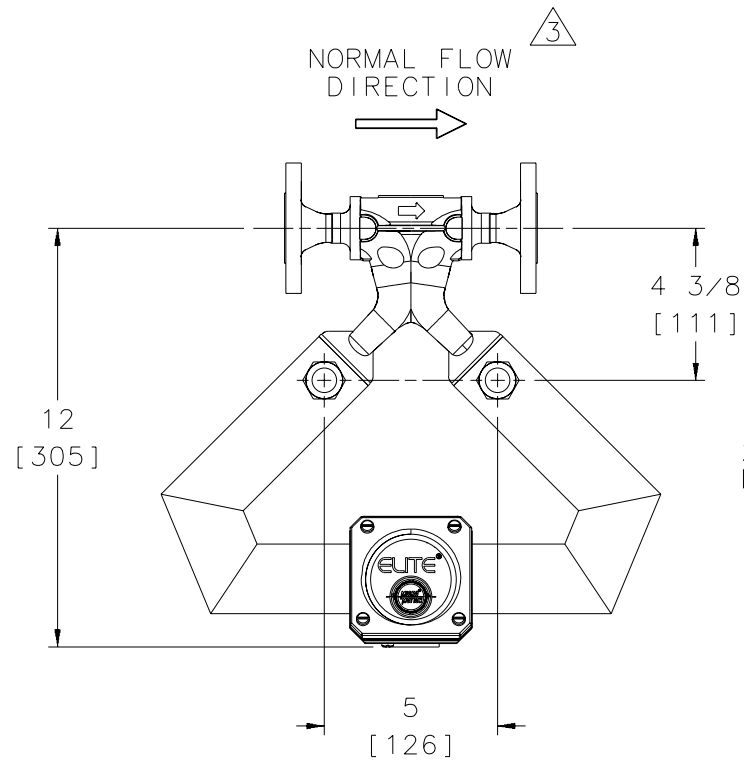
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	21 LBS [10 Kg]
JIS 20K 15MM	7 1/4 [184]	$\phi$ 3 3/4 [95]	13 LBS [6 Kg]	21 LBS [10 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF050M JIS JBOX	
NAME	DATE	SIZE	DWG. NO.
DRWN: SAD	3/17/01	D	EP-3005944
CHKD: JLA	4/1/01	SCALE 3:8	DO NOT SCALE DRAWING
APVD: JLA	4/1/01	SHEET	1 OF 1

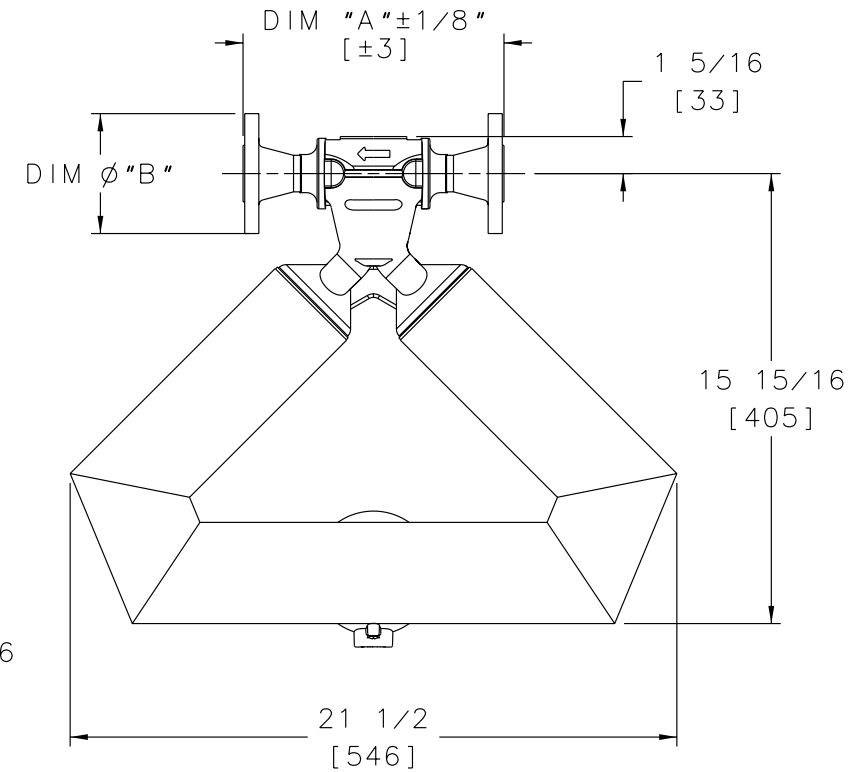
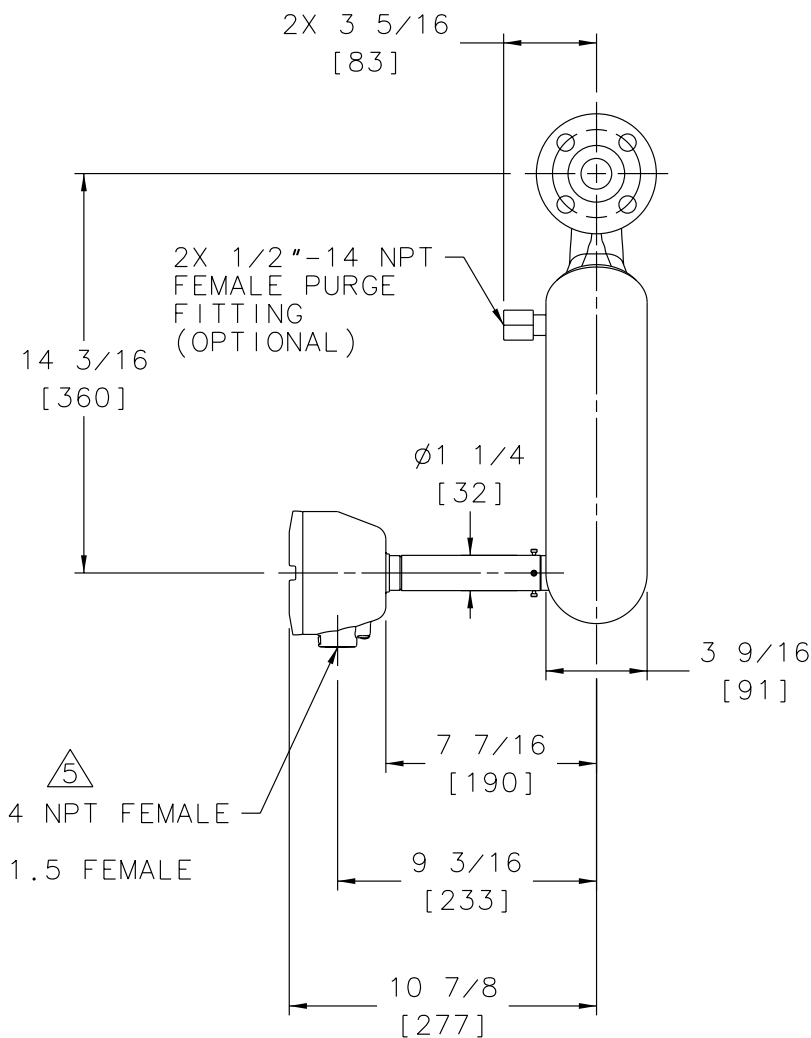
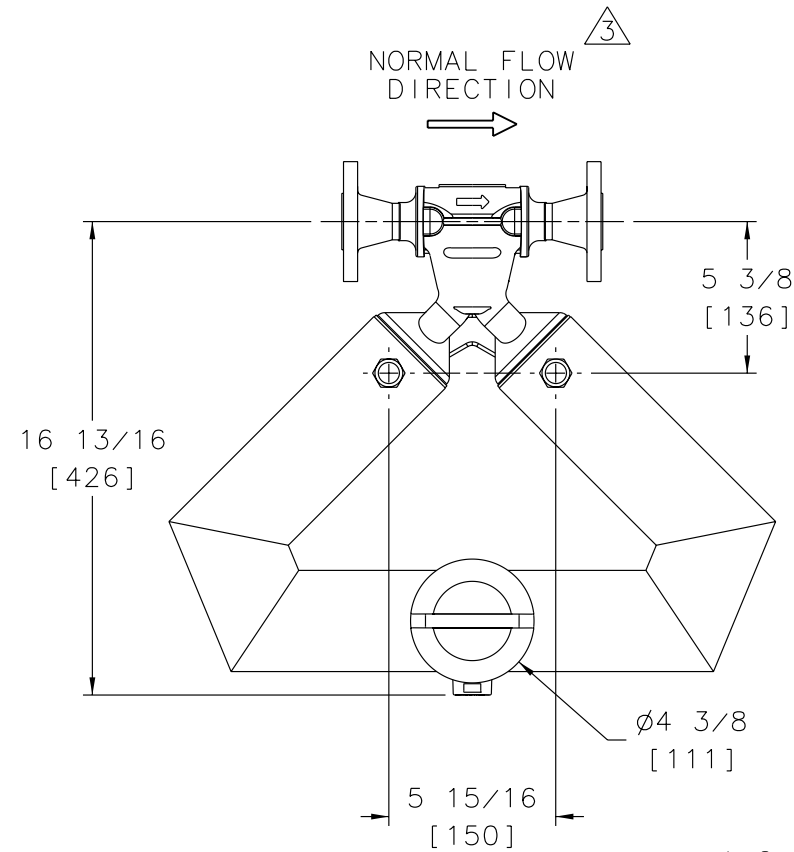
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

1. PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
3. THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
5. HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1"	9 1/4 [235]	$\phi$ 4 1/4 [108]	35 LBS [16 Kg]	45 LBS [21 Kg]
ANSI 300# 1"	9 3/4 [248]	$\phi$ 4 7/8 [124]	38 LBS [17 Kg]	48 LBS [22 Kg]
ANSI 600# 1"	10 1/4 [260]	$\phi$ 4 7/8 [124]	38 LBS [18 Kg]	49 LBS [22 Kg]
ANSI 600# 1 1/2"	10 7/8 [276]	$\phi$ 6 1/8 [156]	45 LBS [21 Kg]	55 LBS [25 Kg]



<b>MICRO MOTION, INC.</b> BOULDER, COLORADO		DIM DWG, CMF100M		REV. B	
		ANSI EXT CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	SES	7/25/01	D	EP-3006107	B
	CHKD.	JLA	12/5/01		
	APVD.	JLA	12/5/01	SCALE 1:3	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1"	9 1/4 [235]	$\phi$ 4 1/4 [108]	34 LBS [16 Kg]	44 LBS [20 Kg]
ANSI 300# 1"	9 3/4 [248]	$\phi$ 4 7/8 [124]	37 LBS [17 Kg]	47 LBS [22 Kg]
ANSI 600# 1"	10 1/4 [260]	$\phi$ 4 7/8 [124]	37 LBS [17 Kg]	47 LBS [22 Kg]
ANSI 600# 1 1/2"	10 7/8 [276]	$\phi$ 6 1/8 [156]	44 LBS [20 Kg]	54 LBS [25 Kg]

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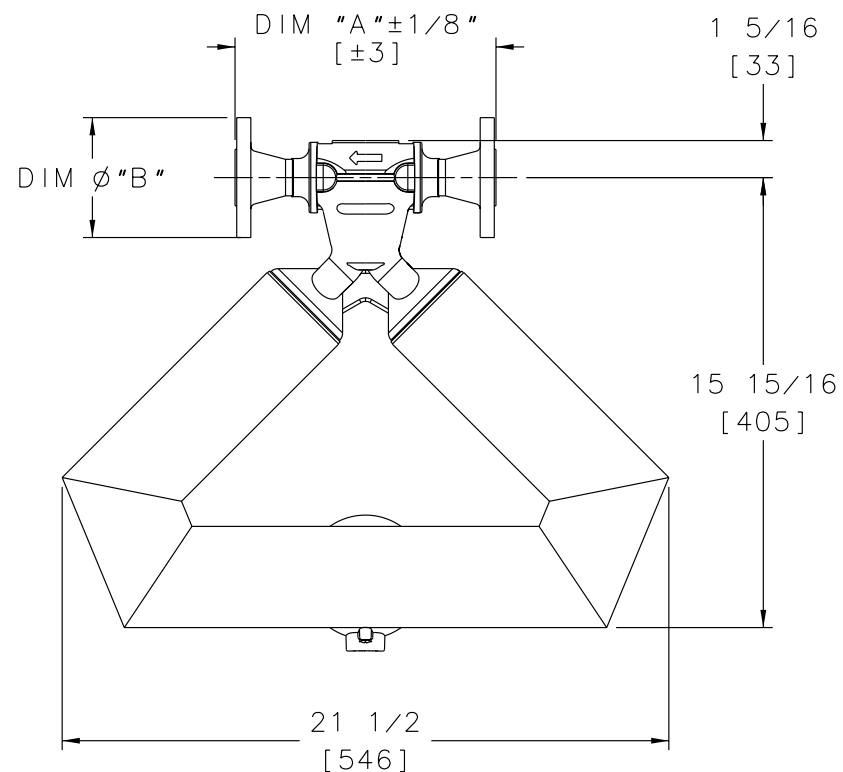
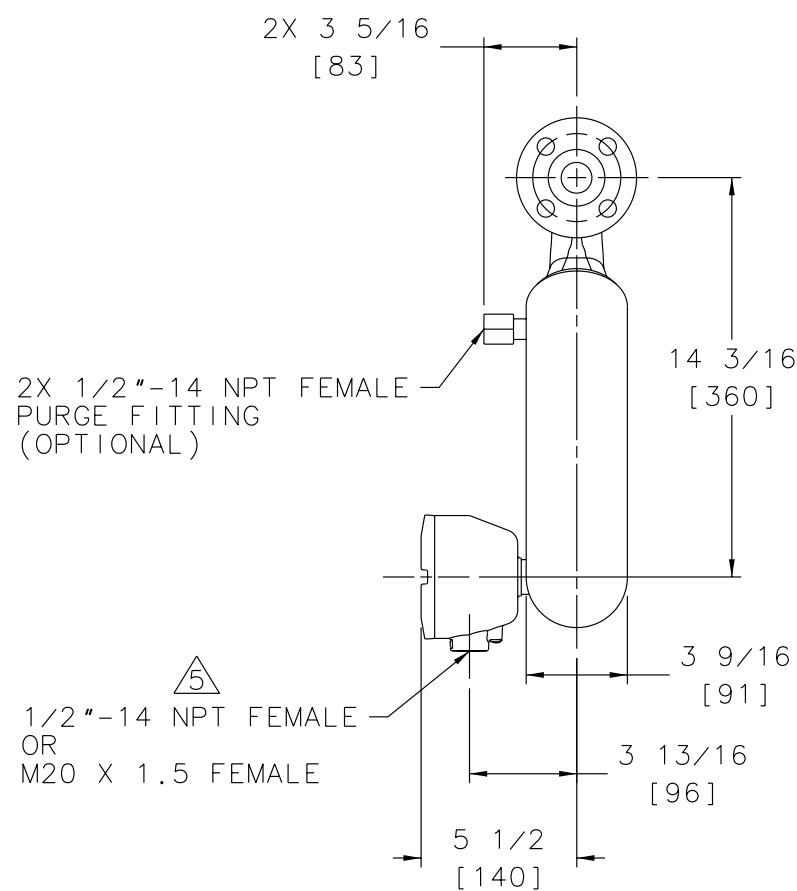
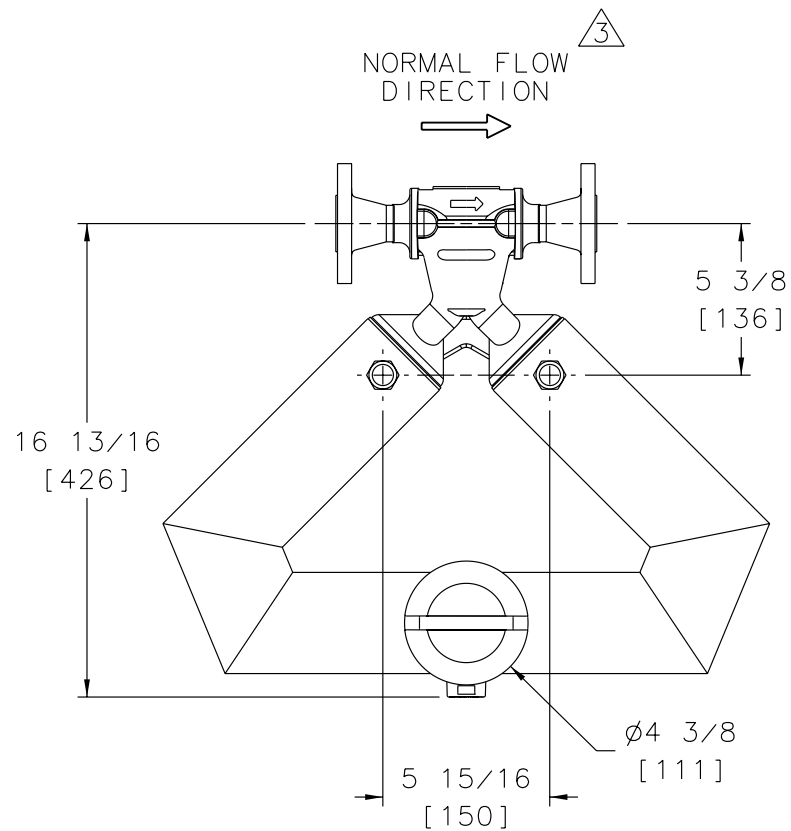
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 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF100M ANSI CORE PRCSR		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN LLR	3/17/01	D	EP-3005886	B
CHKD. JLA	4/3/01	SCALE 1:3	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	4/3/01	COPYRIGHT 2003 MICRO MOTION, INC. ALL RIGHTS RESERVED		

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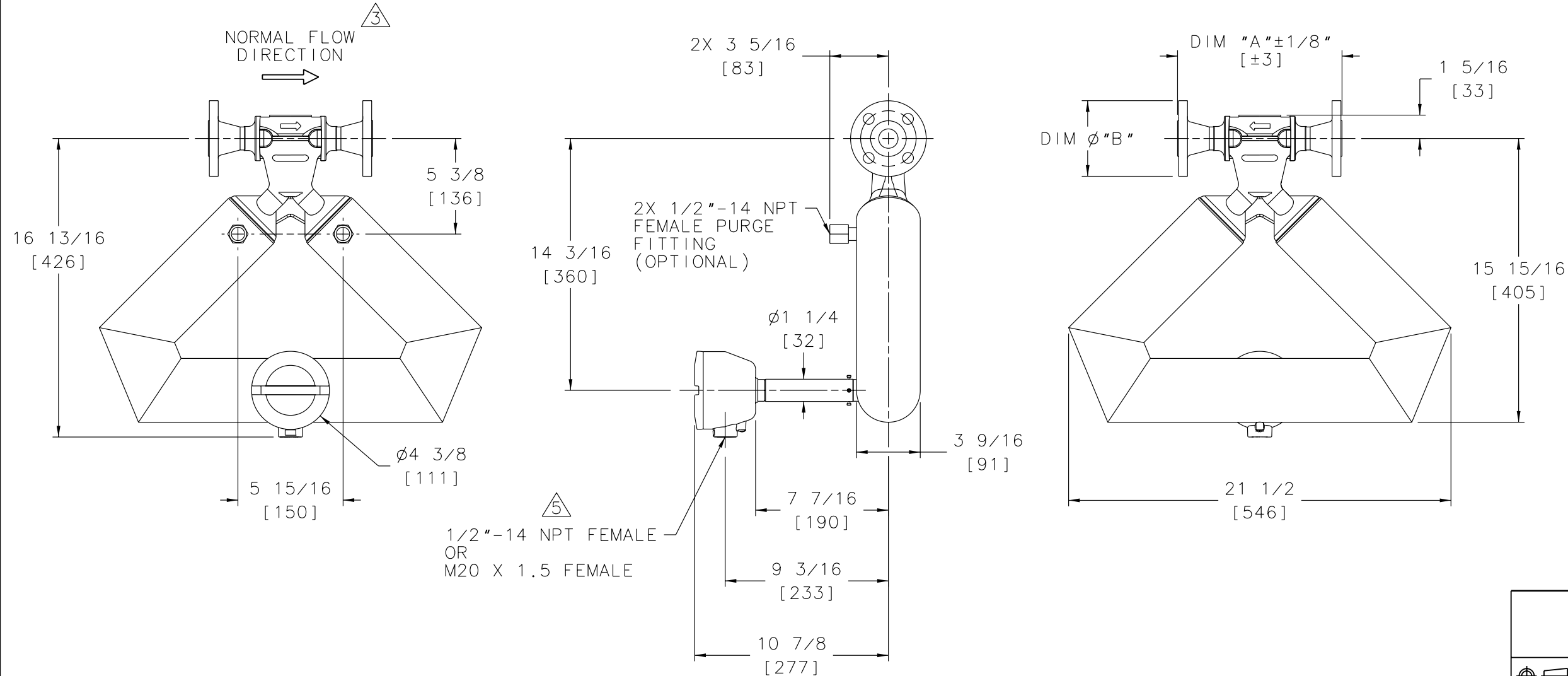
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	36 LBS [17 Kg]	46 LBS [21 Kg]
JIS 20K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	37 LBS [17 Kg]	47 LBS [22 Kg]



THIRD ANGLE PROJECTION		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF100M JIS EXT CORE	
DRAWN SES 7/25/01	DATE 7/25/01	SIZE D	DWG. NO. EP-3006111
CHKD. JLA 12/5/01	DATE 12/5/01	SCALE 1:3	REV. B
APVD. JLA 12/5/01		DO NOT SCALE DRAWING SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	35 LBS [16 Kg]	45 LBS [21 Kg]
JIS 20K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	36 LBS [16 Kg]	46 LBS [21 Kg]

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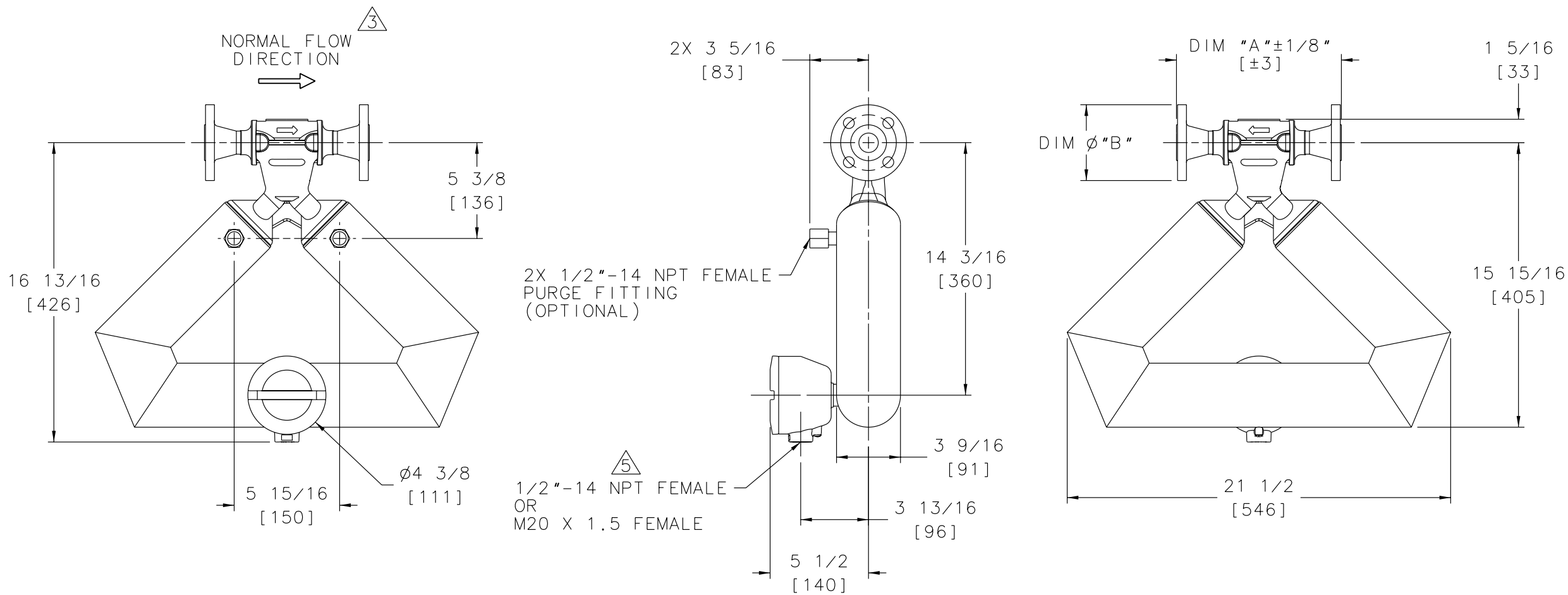
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF100M JIS CORE PRCSR			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	LLR	3/17/01	D	EP-3005890	B
CHKD.	JLA	4/3/01	SCALE 1:3	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	JLA	4/3/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1"	9 1/4 [235]	4 1/4 [108]	30 LBS [14 Kg]	40 LBS [19 Kg]
ANSI CL 300 1"	9 3/4 [248]	4 7/8 [124]	33 LBS [15 Kg]	43 LBS [20 Kg]
ANSI CL 600 1"	10 1/4 [260]	4 7/8 [124]	34 LBS [16 Kg]	44 LBS [20 Kg]
ANSI CL 600 1 1/2"	10 7/8 [276]	6 1/8 [156]	40 LBS [19 Kg]	50 LBS [23 Kg]

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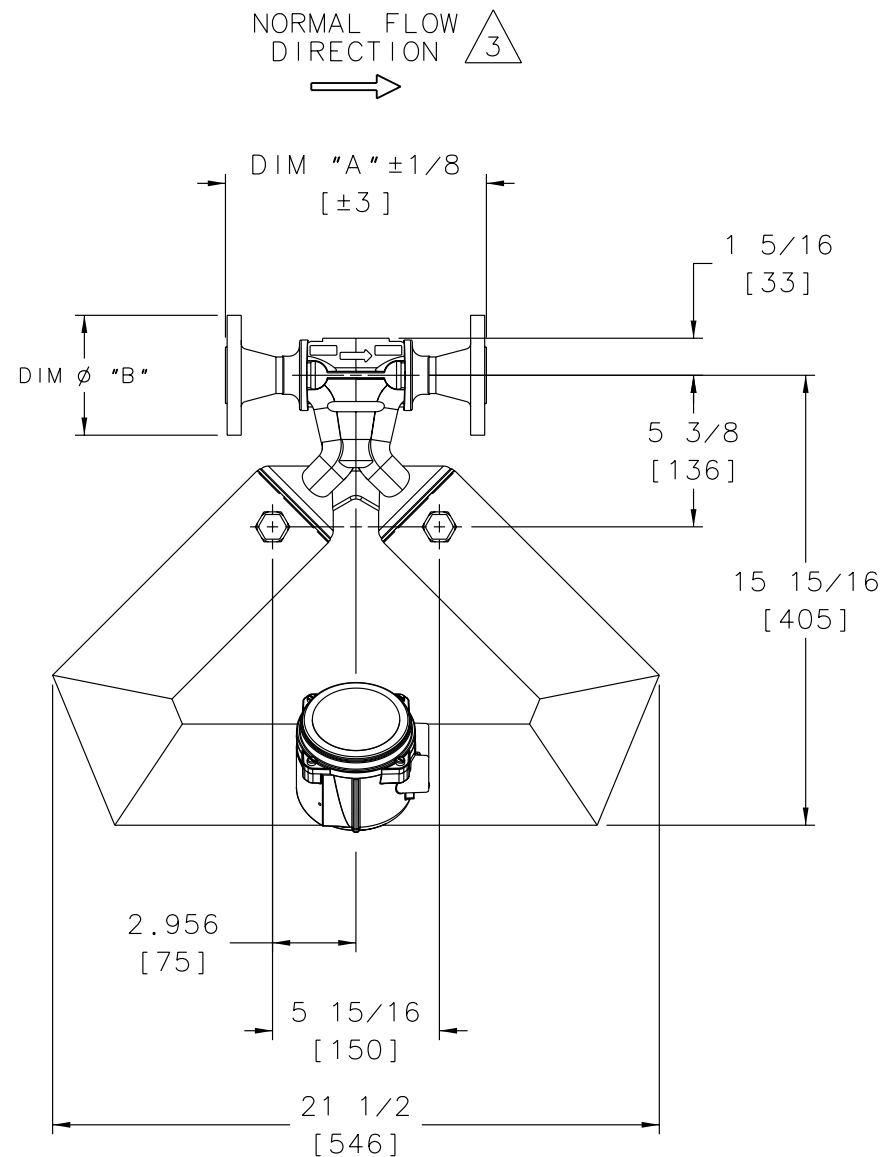
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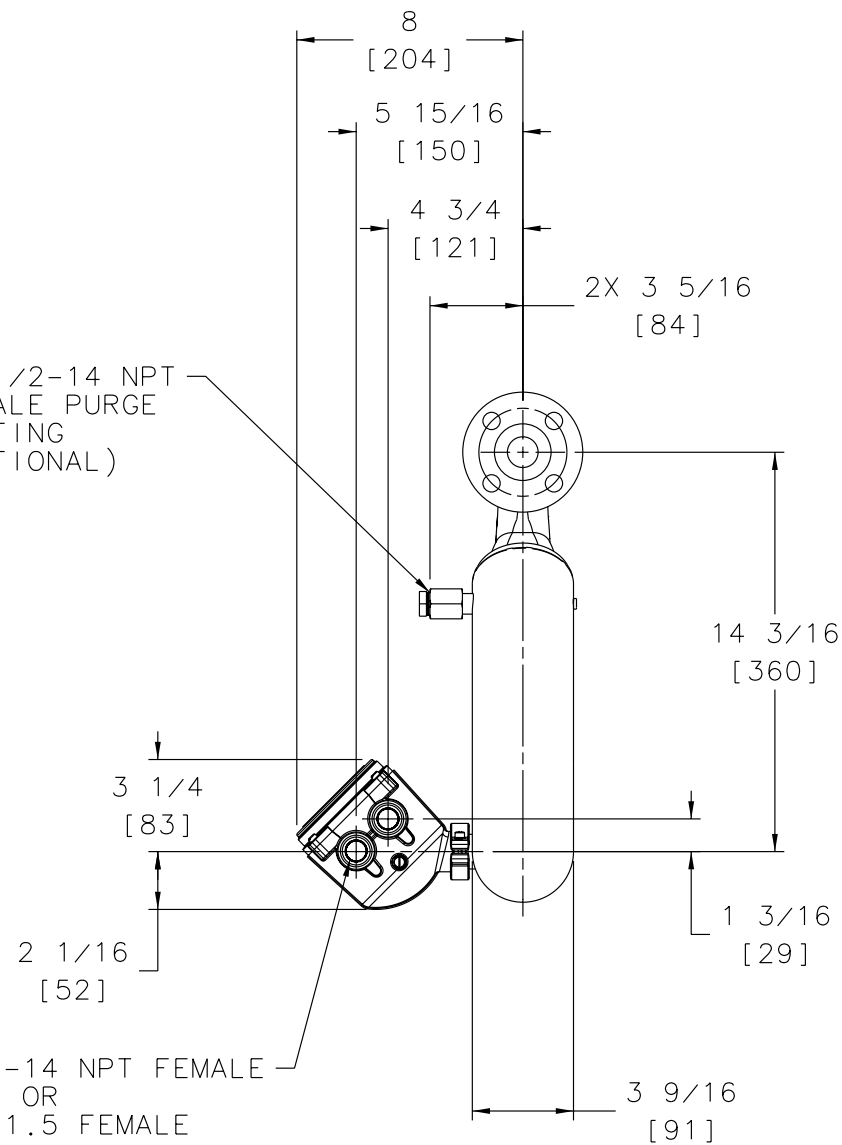
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2X 1/2-14 NPT FEMALE PURGE FITTING (OPTIONAL)



④ 2X 1/2-14 NPT FEMALE OR M20 X 1.5 FEMALE

		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF100M ANSI ENHANCED CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN RDR	9/26/05	D	20004600
CHKD. RBG	5/3/06	SCALE 1:3	DO NOT SCALE DRAWING
APVD. RBG	5/3/06	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① PROCESS CONNECTION:  
 ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 1"	9 1/4 [235]	4 1/4 [108]	31 LBS [14 Kg]	42 LBS [19 Kg]
	ANSI CL 300 1"	9 3/4 [248]	4 7/8 [124]	34 LBS [16 Kg]	45 LBS [20 Kg]
	ANSI CL 600 1"	10 1/4 [260]	4 7/8 [124]	35 LBS [16 Kg]	45 LBS [21 Kg]
	ANSI CL 600 1 1/2"	10 7/8 [276]	6 1/8 [156]	41 LBS [19 Kg]	52 LBS [24 Kg]

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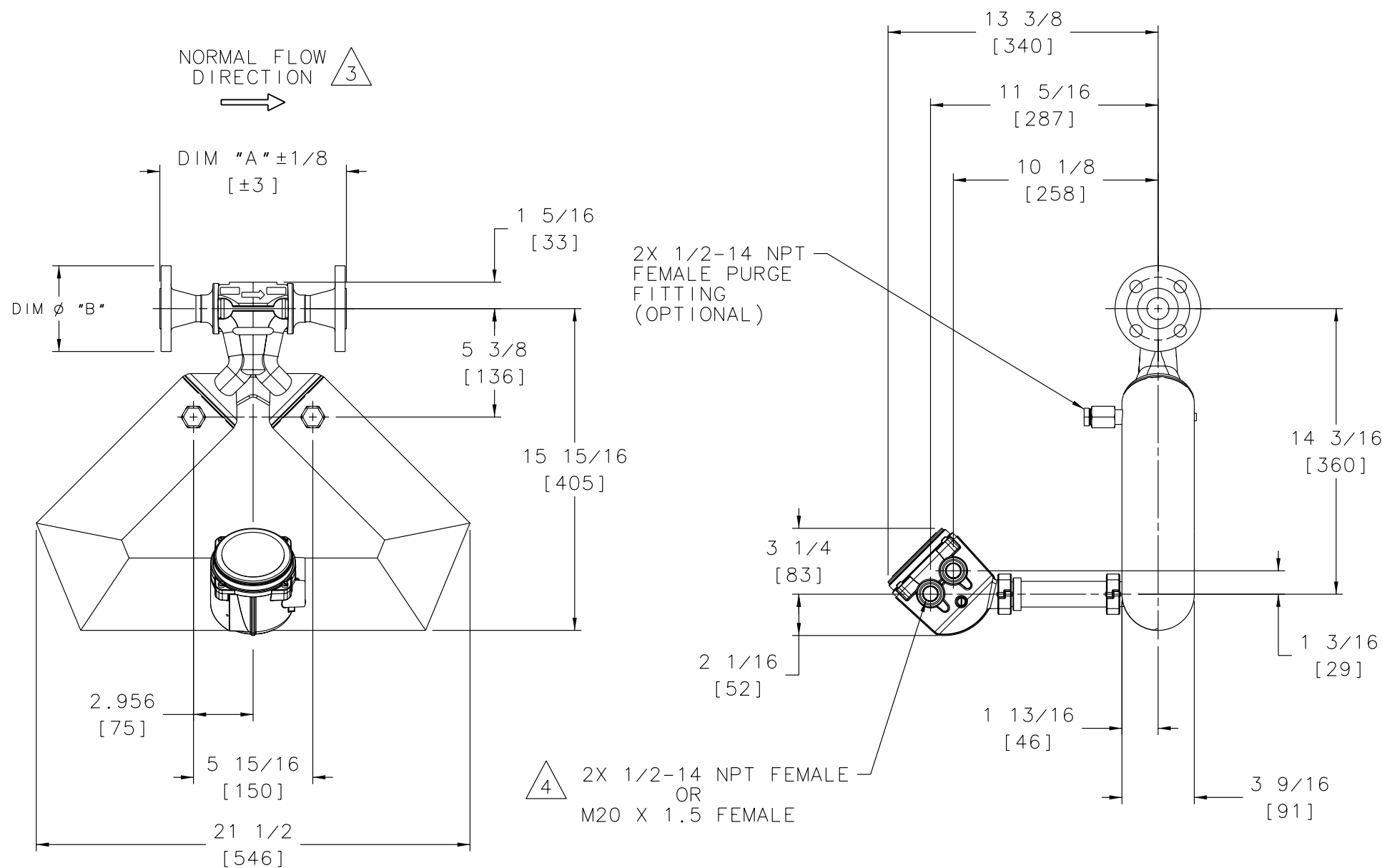
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	4 15/16 [125]	31 LBS [15 Kg]	41 LBS [19 Kg]
JIS 20K 25MM	8 5/16 [211]	4 15/16 [125]	32 LBS [15 Kg]	42 LBS [19 Kg]

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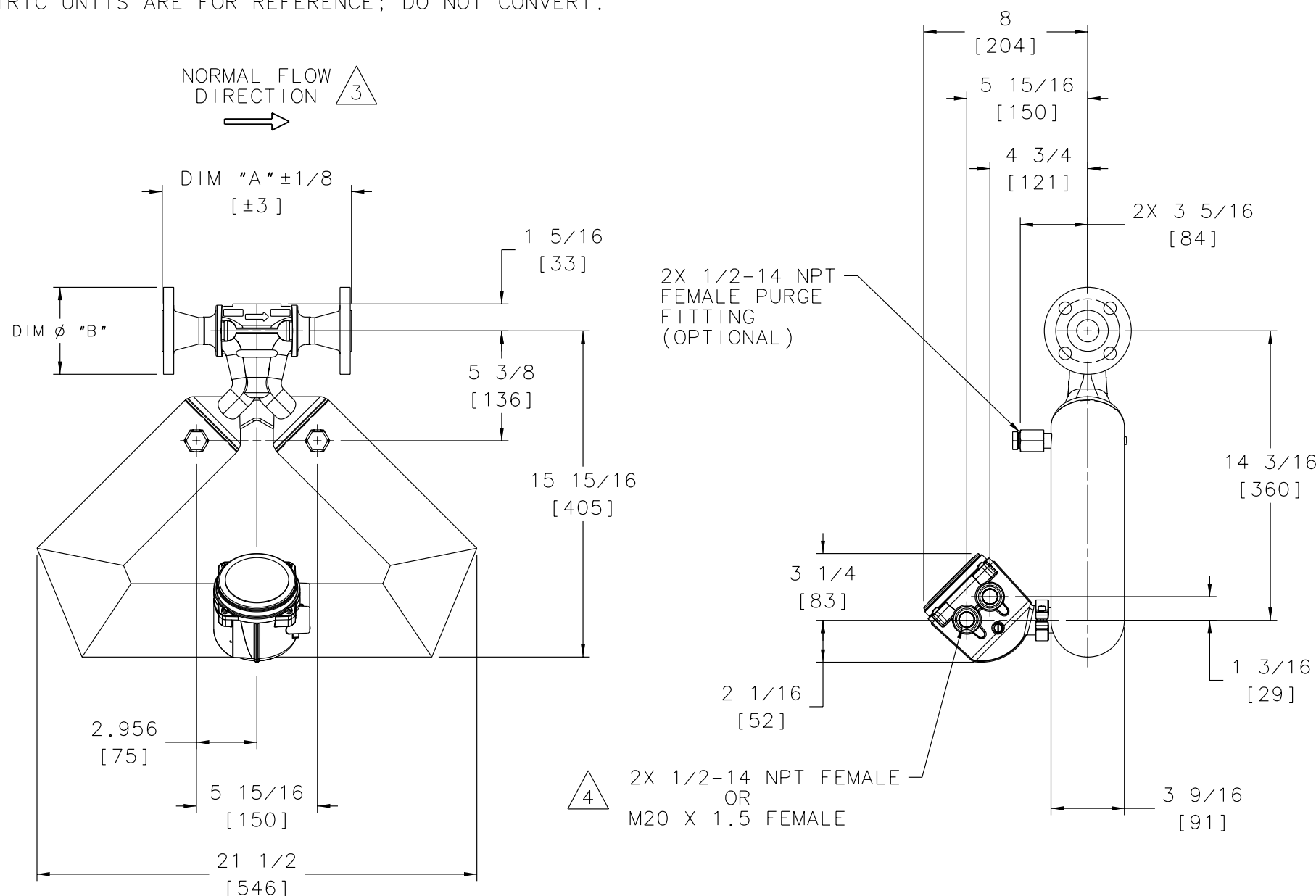
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THIRD ANGLE PROJECTION		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF100M JIS ENHANCED CORE	
DRAWN: RDR CHKD.: RBG APVD.: RBG	NAME: RDR DATE: 9/26/05 DATE: 8/7/06 DATE: 8/7/06	SIZE: D DWG. NO.: 20004603 SCALE: 1:3	REV.: A SHEET: 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	4 15/16 [125]	32 LBS [15 Kg]	43 LBS [20 Kg]
JIS 20K 25MM	8 5/16 [211]	4 15/16 [125]	33 LBS [15 Kg]	43 LBS [20 Kg]

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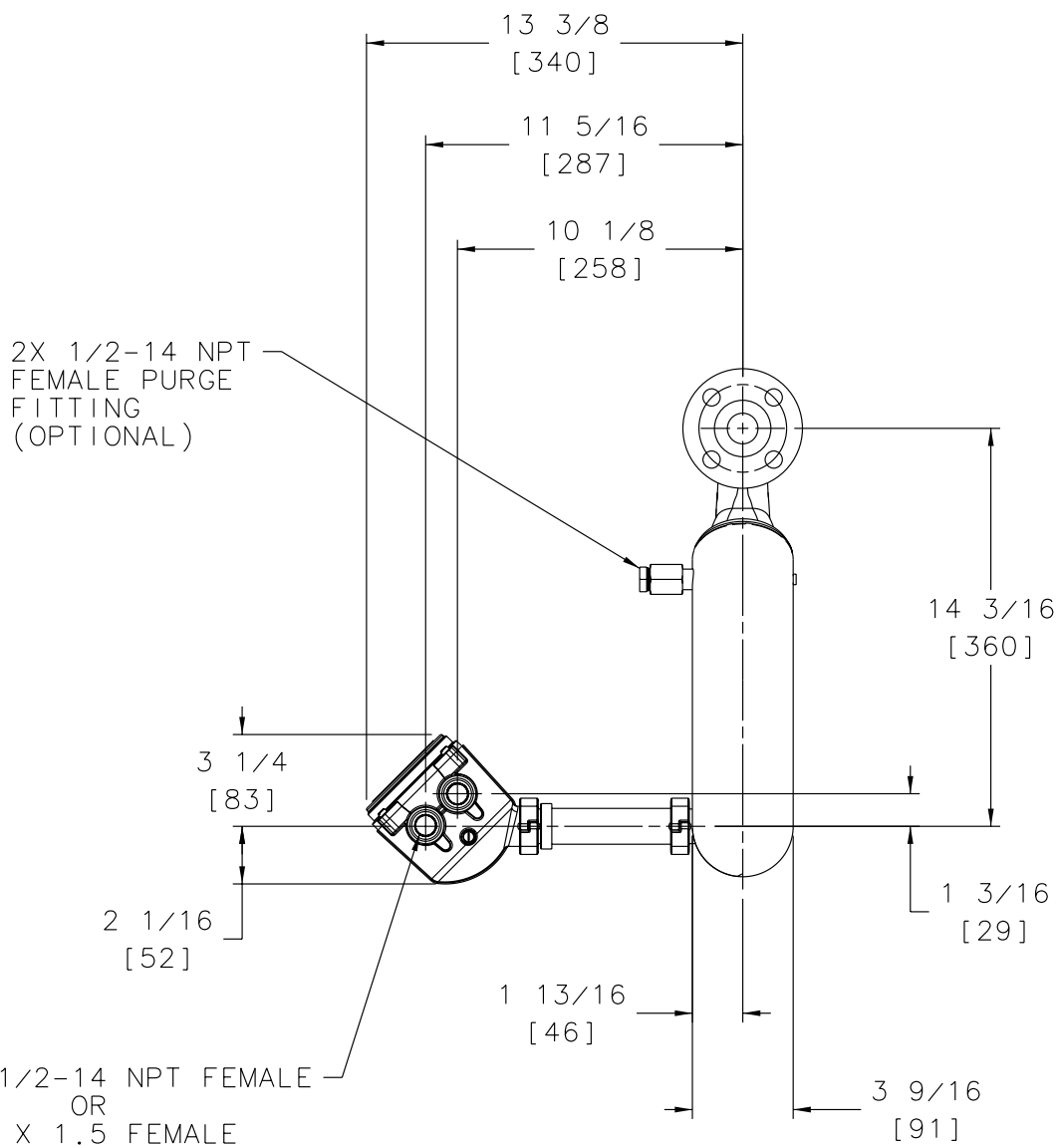
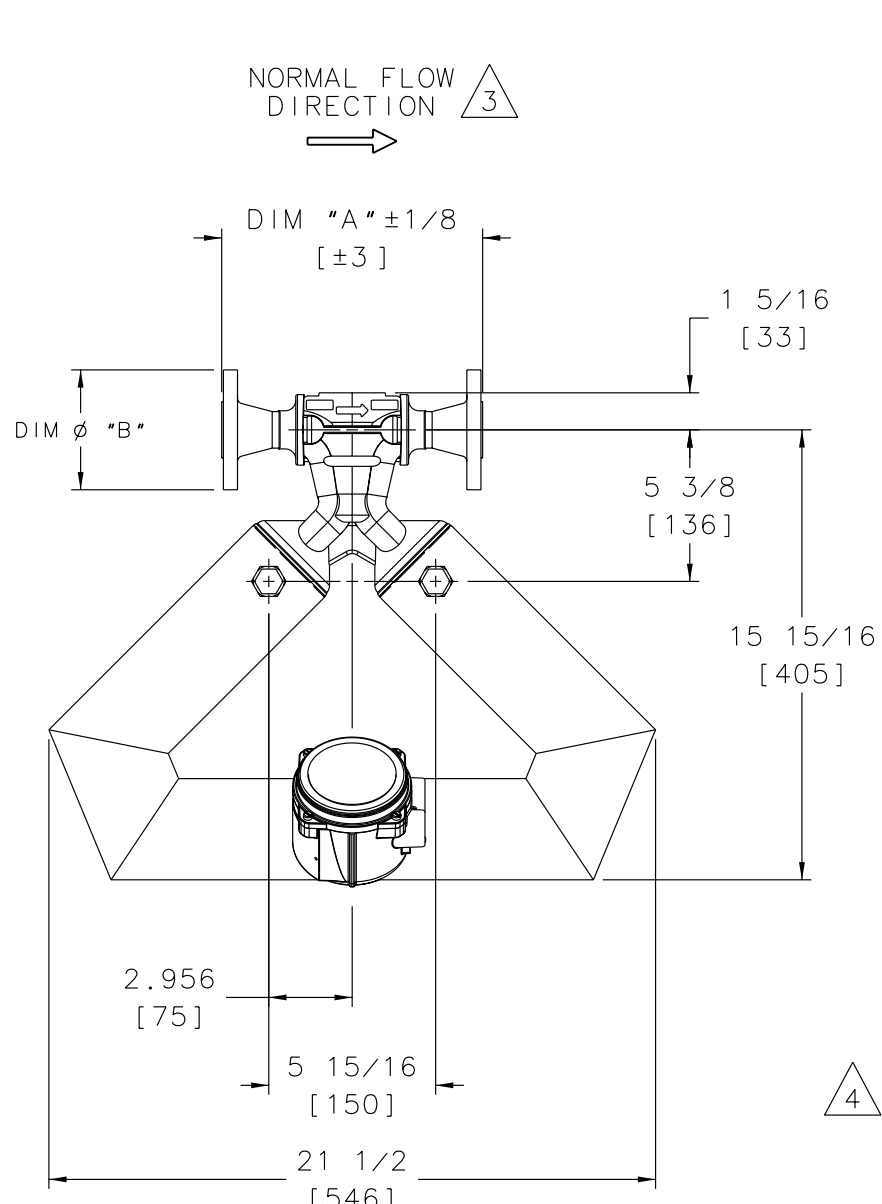
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④ 2X 1/2-14 NPT FEMALE  
 OR  
 M20 X 1.5 FEMALE

		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF100M JIS EXT ENHANCED CORE	
DRAWN	RDR	9/26/05	SIZE DWG. NO.
CHKD.	RBG	8/7/06	D 20004611
APVD.	RBG	8/7/06	SCALE 1:3 DO NOT SCALE DRAWING SHEET 1 OF 1

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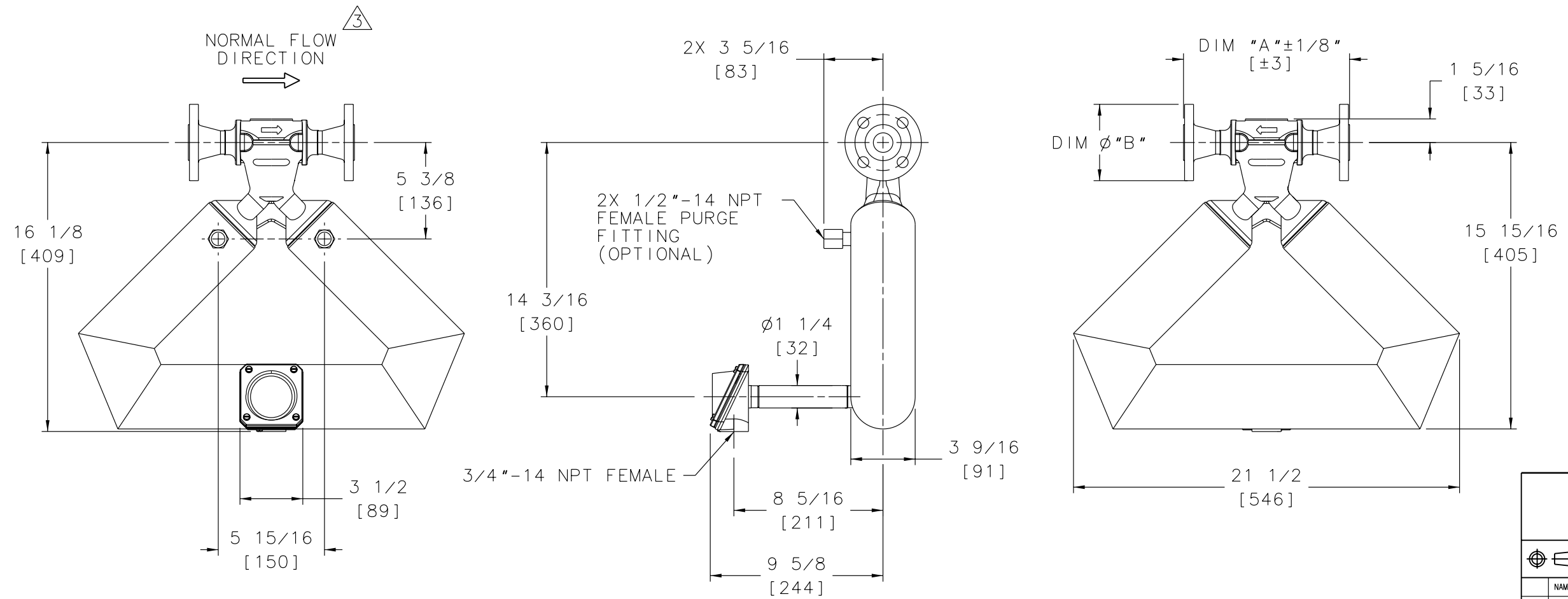
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1"	9 1/4 [235]	$\phi$ 4 1/4 [108]	30 LBS [14 Kg]	41 LBS [19 Kg]
ANSI 300# 1"	9 3/4 [248]	$\phi$ 4 7/8 [124]	33 LBS [15 Kg]	44 LBS [20 Kg]
ANSI 600# 1"	10 1/4 [260]	$\phi$ 4 7/8 [124]	34 LBS [16 Kg]	44 LBS [20 Kg]
ANSI 600# 1 1/2"	10 7/8 [276]	$\phi$ 6 1/8 [156]	40 LBS [19 Kg]	51 LBS [23 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF100M ANSI EXT JBOX			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	SES	7/26/01	D	EP-3006108	B
	CHKD.	JLA	12/5/01		
	APVD.	JLA	12/5/01	SCALE 1:3	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1"	9 1/4 [235]	$\phi$ 4 1/4 [108]	29 LBS [14 Kg]	39 LBS [18 Kg]
ANSI 300# 1"	9 3/4 [248]	$\phi$ 4 7/8 [124]	32 LBS [15 Kg]	42 LBS [19 Kg]
ANSI 600# 1"	10 1/4 [260]	$\phi$ 4 7/8 [124]	33 LBS [15 Kg]	43 LBS [20 Kg]
ANSI 600# 1 1/2"	10 7/8 [276]	$\phi$ 6 1/8 [156]	39 LBS [18 Kg]	49 LBS [23 Kg]

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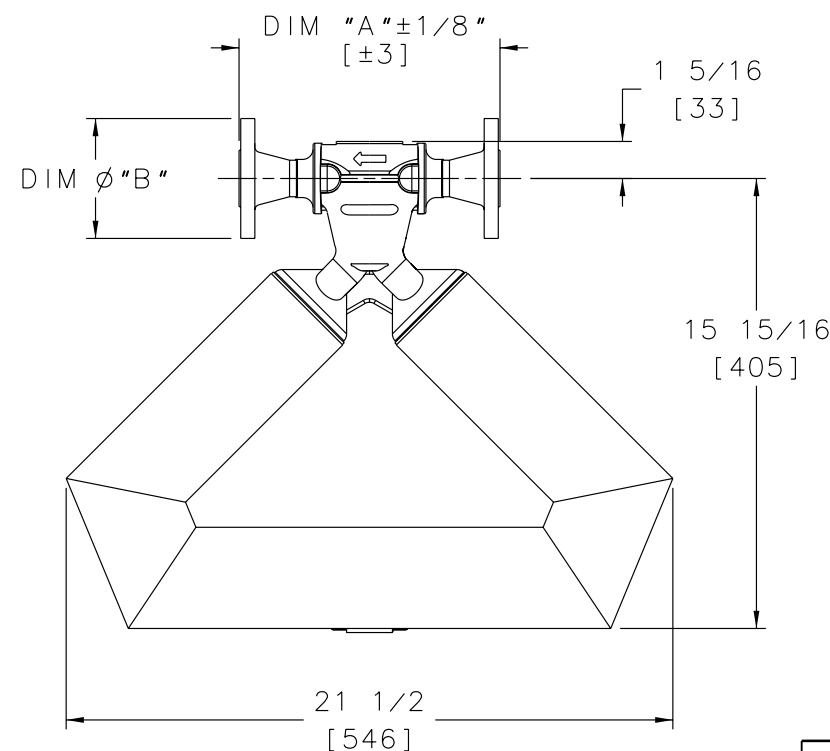
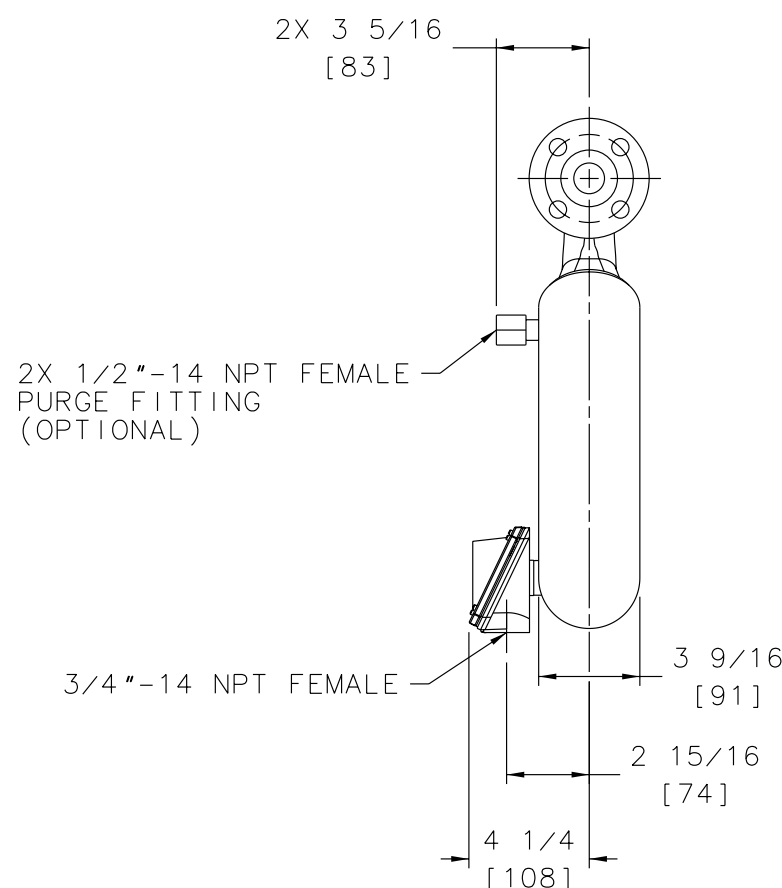
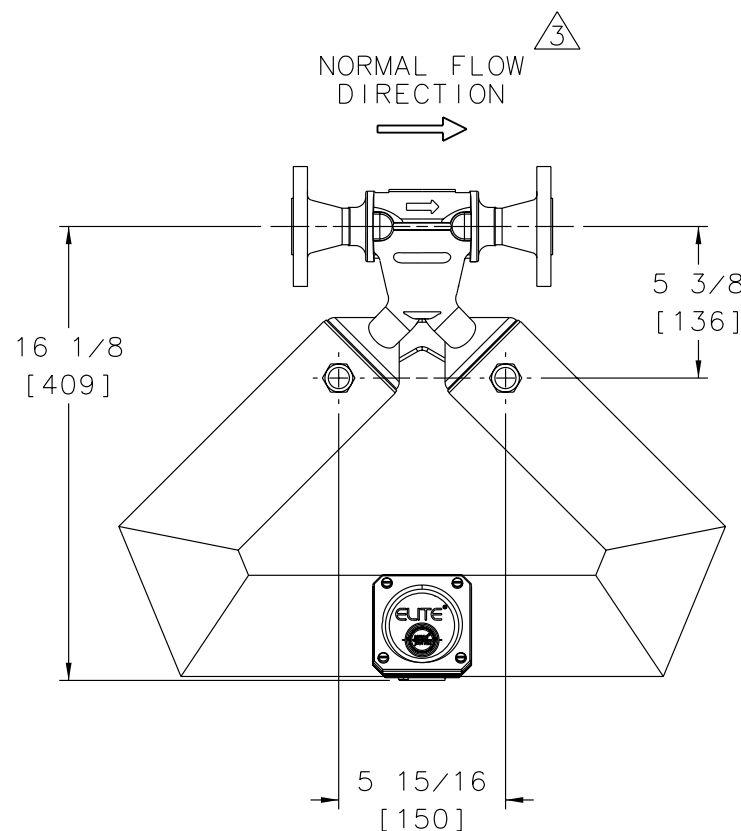
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF100M ANSI JBOX	
NAME	DATE	SIZE	DWG. NO.
LLR	3/17/01	D	EP-3005887
CHKD.	JLA	4/1/01	B
APVD.	JLA	4/1/01	SCALE 1:3 DO NOT SCALE DRAWING SHEET 1 OF 1

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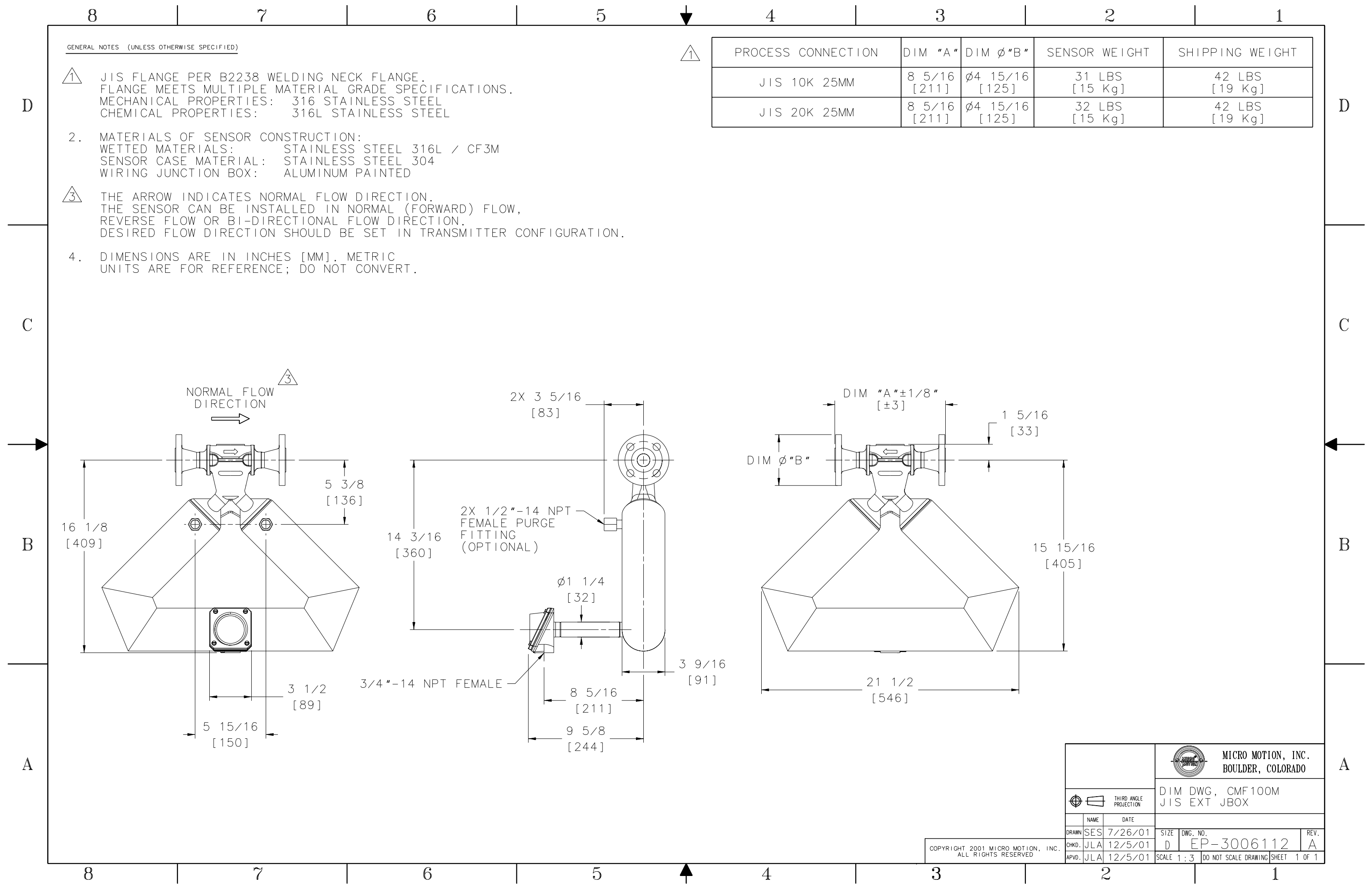
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	31 LBS [15 Kg]	42 LBS [19 Kg]
JIS 20K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	32 LBS [15 Kg]	42 LBS [19 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF100M JIS EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006112
CHKD. JLA	12/5/01	SCALE 1:3	DO NOT SCALE DRAWING
APVD. JLA	12/5/01	SHEET 1 OF 1	REV. A

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	30 LBS [14 Kg]	40 LBS [19 Kg]
JIS 20K 25MM	8 5/16 [211]	$\phi$ 4 15/16 [125]	31 LBS [14 Kg]	41 LBS [19 Kg]

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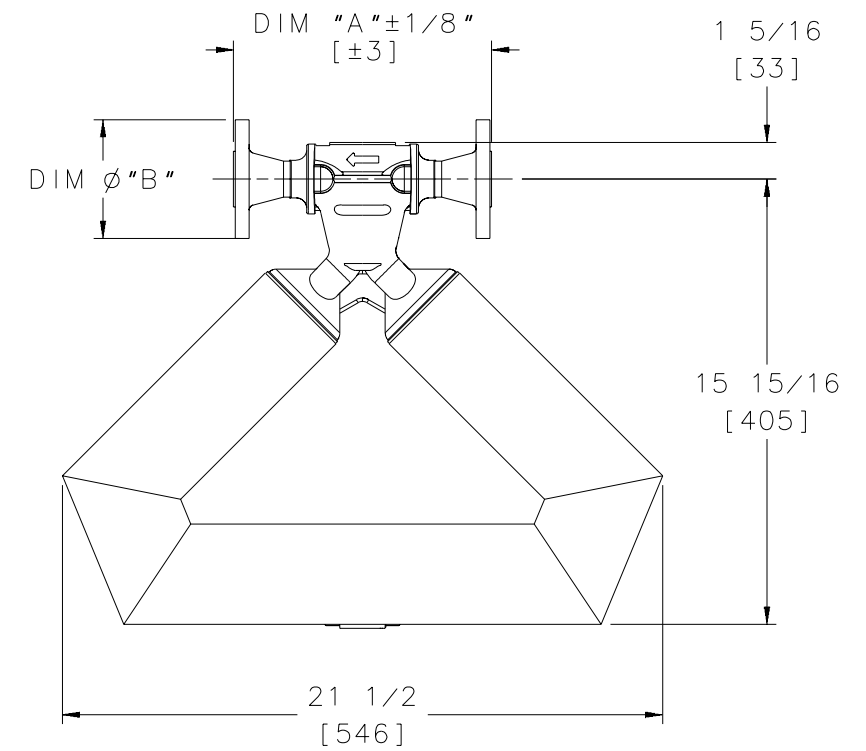
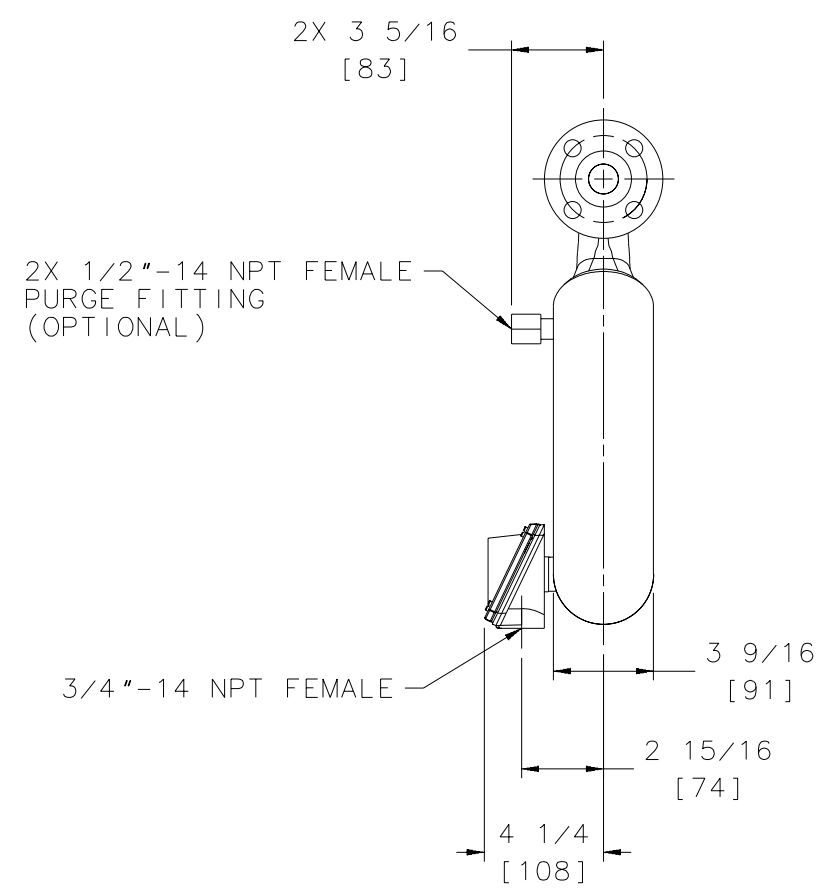
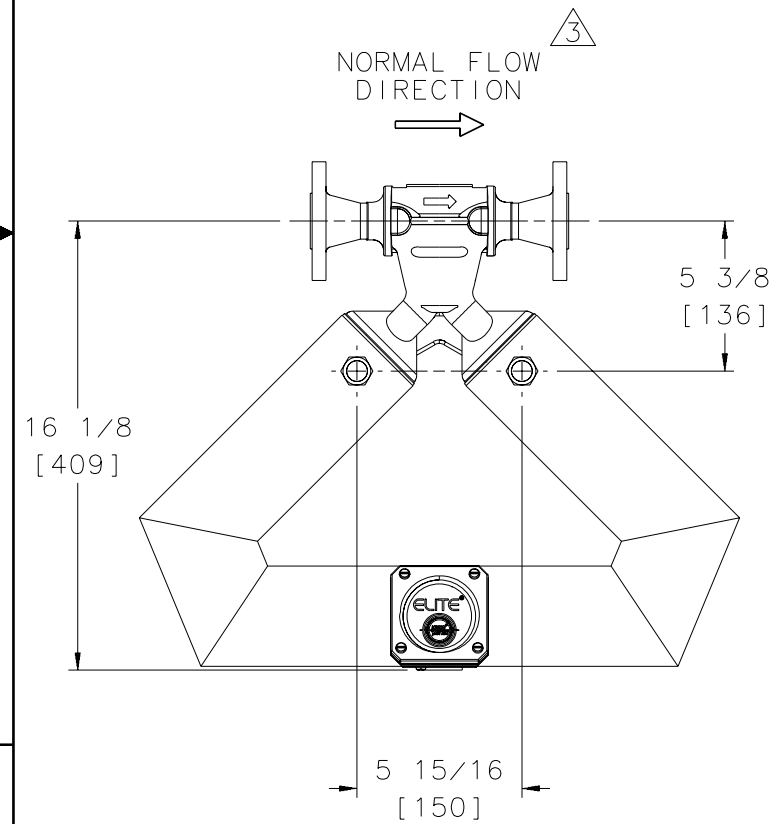
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		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO		
		DIM DWG, CMF100M JIS JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN LLR	3/17/01	D	EP-3005891	A
CHKD. JLA	4/1/01	SCALE 1:3	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	4/1/01			

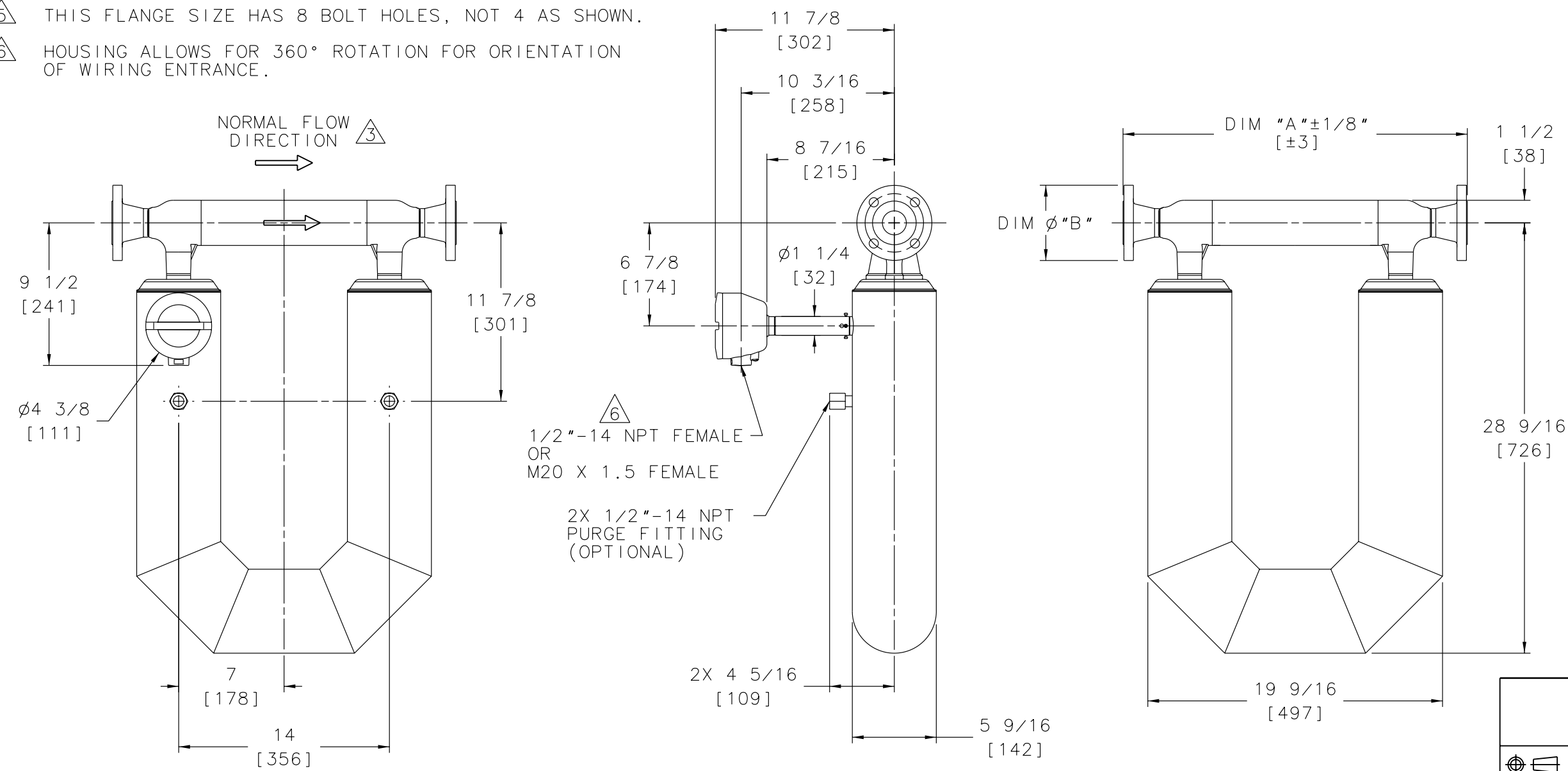
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.
- ⑥ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION  
OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1 1/2"	22 7/8 [581]	$\phi$ 5 [127]	69 LBS [31 Kg]	83 LBS [38 Kg]
ANSI 300# 1 1/2"	23 3/8 [594]	$\phi$ 6 1/8 [156]	74 LBS [34 Kg]	89 LBS [41 Kg]
ANSI 600# 1 1/2"	23 7/8 [606]	$\phi$ 6 1/8 [156]	77 LBS [35 Kg]	91 LBS [42 Kg]
ANSI 150# 2"	22 7/8 [581]	$\phi$ 6 [152]	72 LBS [33 Kg]	87 LBS [40 Kg]
⑤ ANSI 300# 2"	23 3/8 [594]	$\phi$ 6 1/2 [165]	77 LBS [35 Kg]	91 LBS [42 Kg]
⑤ ANSI 600# 2"	23 5/8 [600]	$\phi$ 6 1/2 [165]	79 LBS [36 Kg]	94 LBS [43 Kg]



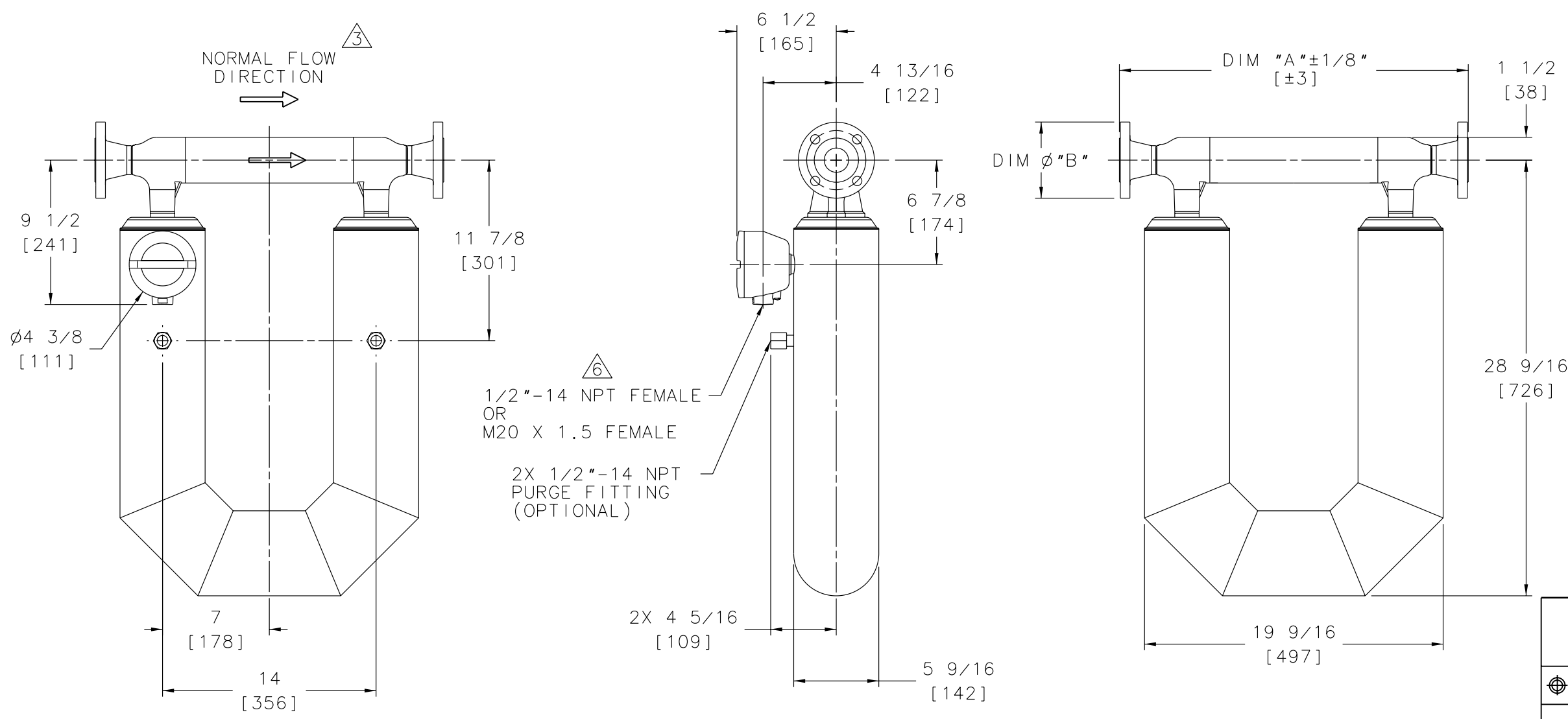
		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF200M ANSI EXT CORE	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	SES	7/25/01	B
CHKD.	JLA	12/5/01	B
APVD.	JLA	12/5/01	B
SIZE	DWG. NO.	REV.	
D	EP-3006119	B	
SCALE	DO NOT SCALE DRAWING SHEET 1 OF 1		
1:4			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.
- ⑥ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1 1/2"	22 7/8 [581]	$\phi$ 5 [127]	68 LBS [31 Kg]	82 LBS [37 Kg]
ANSI 300# 1 1/2"	23 3/8 [594]	$\phi$ 6 1/8 [156]	73 LBS [34 Kg]	87 LBS [40 Kg]
ANSI 600# 1 1/2"	23 7/8 [606]	$\phi$ 6 1/8 [156]	76 LBS [35 Kg]	90 LBS [41 Kg]
ANSI 150# 2"	22 7/8 [581]	$\phi$ 6 [152]	71 LBS [33 Kg]	85 LBS [39 Kg]
⑤ ANSI 300# 2"	23 3/8 [594]	$\phi$ 6 1/2 [165]	76 LBS [35 Kg]	90 LBS [41 Kg]
⑤ ANSI 600# 2"	23 5/8 [600]	$\phi$ 6 1/2 [165]	78 LBS [36 Kg]	92 LBS [42 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF200M ANSI CORE PRCSR	
DRAWN: SAD CHKD.: JLA APVD.: JLA	NAME: SAD DATE: 3/17/01 4/3/01 4/3/01	SIZE: D DWG. NO.: EP-3005898	REV.: B SCALE: 1:4 DO NOT SCALE DRAWING SHEET 1 OF 1

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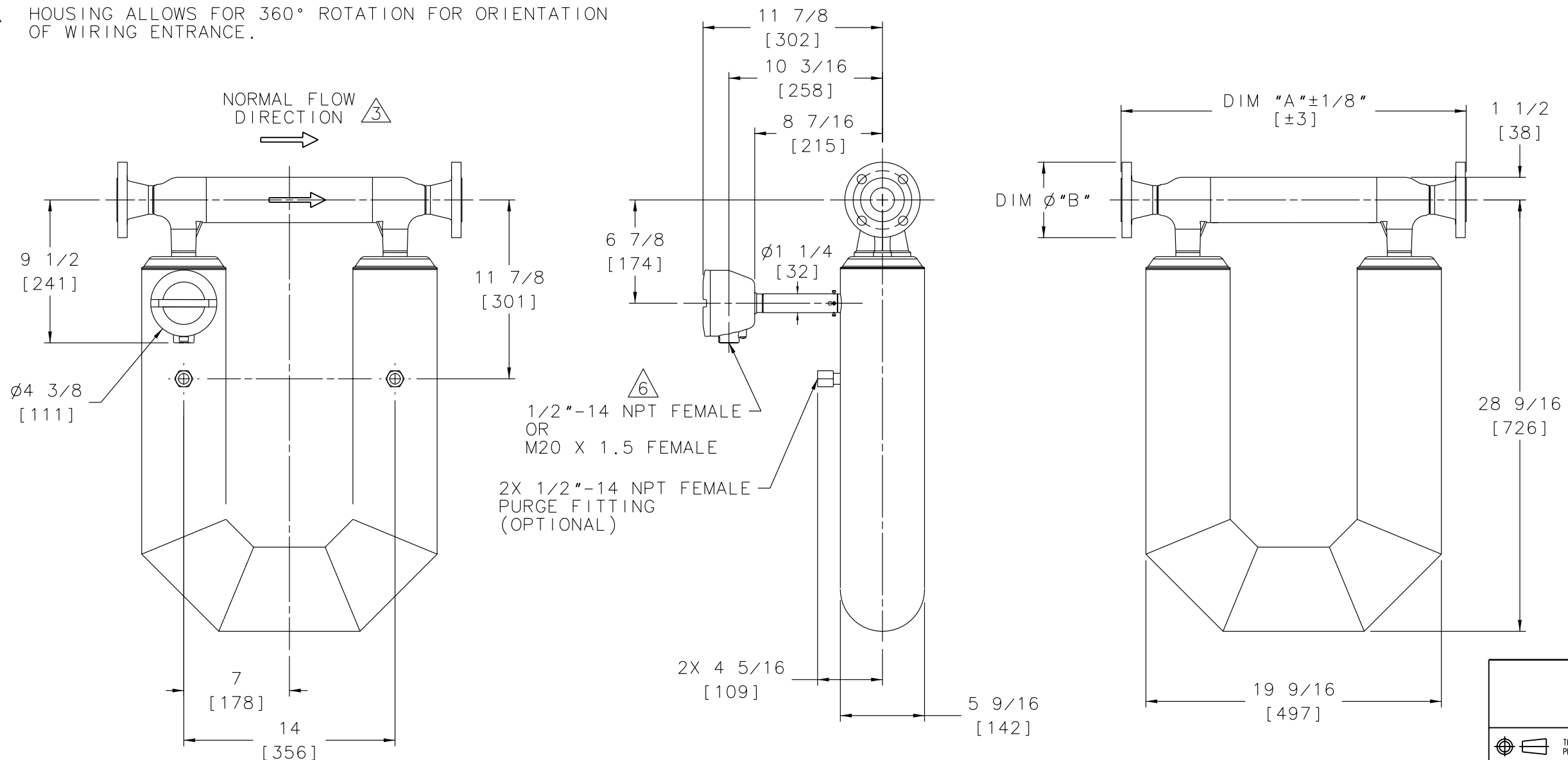
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.
- ⑥ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	69 LBS [32 Kg]	83 LBS [38 Kg]
JIS 10K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	71 LBS [32 Kg]	85 LBS [39 Kg]
JIS 20K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	69 LBS [32 Kg]	83 LBS [38 Kg]
⑤ JIS 20K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	71 LBS [32 Kg]	85 LBS [39 Kg]



THIRD ANGLE PROJECTION		MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF200M JIS EXT CORE		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SES	7/25/01	D	EP-3006123	B
CHKD. JLA	12/5/01	SCALE 1:4	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	12/5/01			

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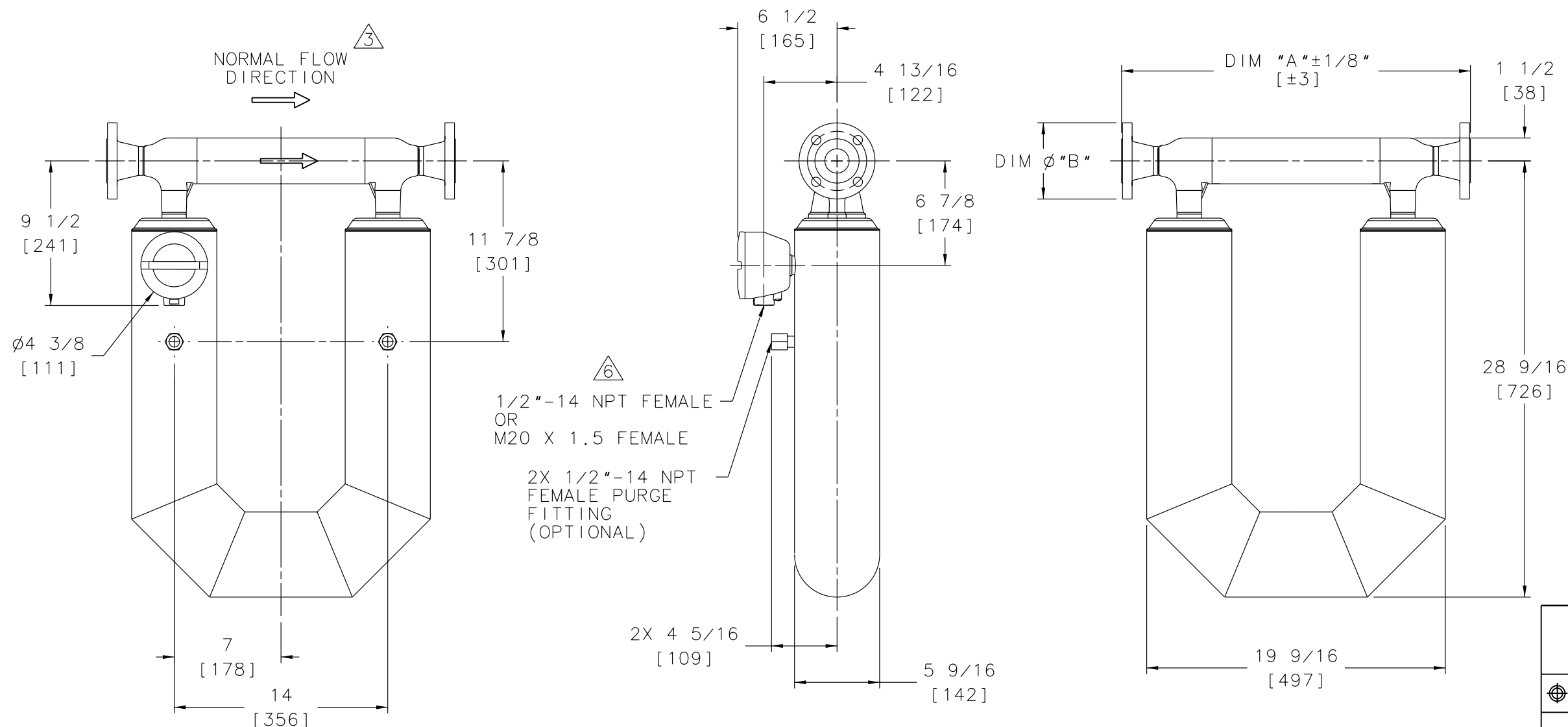
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.
- ⑥ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	68 LBS [31 Kg]	82 LBS [37 Kg]
JIS 10K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	70 LBS [32 Kg]	84 LBS [38 Kg]
JIS 20K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	68 LBS [31 Kg]	82 LBS [38 Kg]
⑤ JIS 20K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	70 LBS [32 Kg]	84 LBS [38 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF200M JIS CORE PRCSR	
NAME	DATE	SIZE	DWG. NO.
DRAWN SAD	3/17/01	D	EP-3005902
CHKD. JLA	4/3/01	SCALE 1:4	DO NOT SCALE DRAWING
APVD. JLA	4/3/01	SHEET 1 OF 1	

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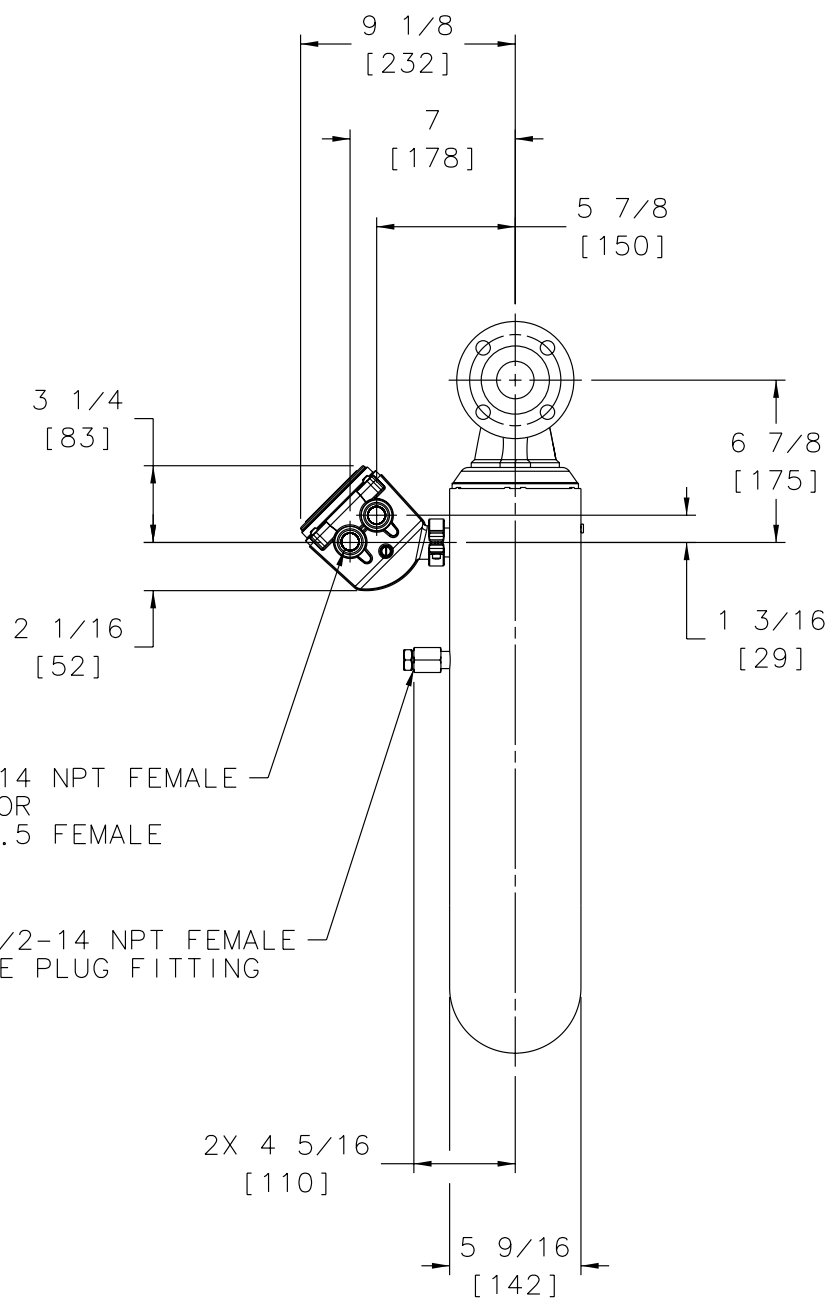
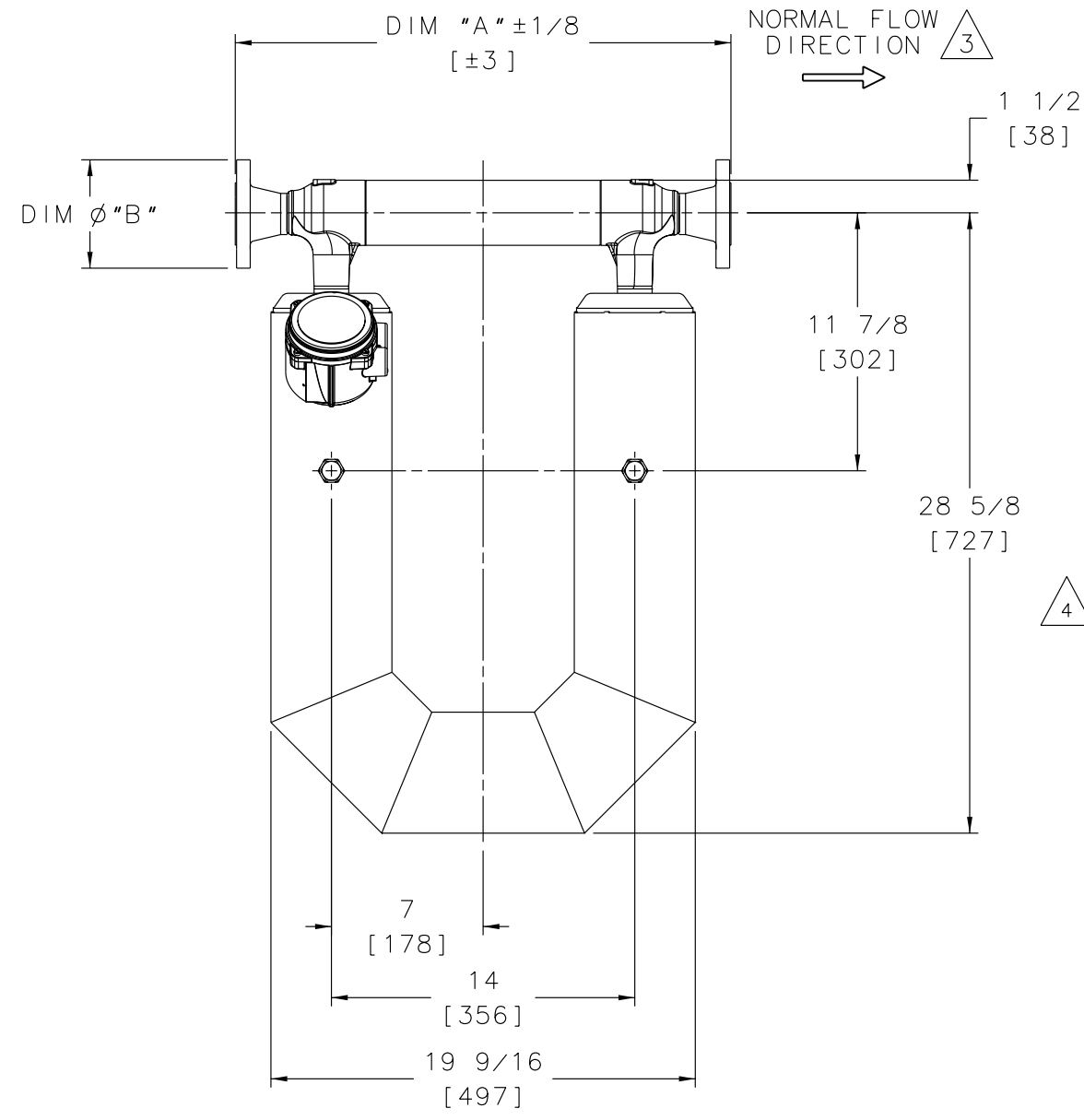
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI CL 150 1 1/2"	22 7/8 [581]	5 [127]	64 LBS [29 Kg]	78 LBS [36 Kg]
ANSI CL 300 1 1/2"	23 3/8 [594]	6 1/8 [156]	70 LBS [32 Kg]	84 LBS [38 Kg]
ANSI CL 600 1 1/2"	23 7/8 [606]	6 1/8 [156]	72 LBS [33 Kg]	86 LBS [39 Kg]
ANSI CL 150 2"	22 7/8 [581]	6 [152]	68 LBS [31 Kg]	82 LBS [37 Kg]
⑥ ANSI CL 300 2"	23 3/8 [594]	6 1/2 [165]	72 LBS [33 Kg]	86 LBS [40 Kg]
⑥ ANSI CL 600 2"	23 5/8 [600]	6 1/2 [165]	75 LBS [34 Kg]	89 LBS [41 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF200M ANSI ENHANCED CORE	
THIRD ANGLE PROJECTION	NAME: RDR DATE: 9/26/05	SIZE: D DWG. NO.: 20004616	REV.: A
DRAWN: RDR CHKD: RBG APVD: RBG	DATE: 8/7/06	SCALE: 1:4 DO NOT SCALE DRAWING	SHEET 1 OF 1

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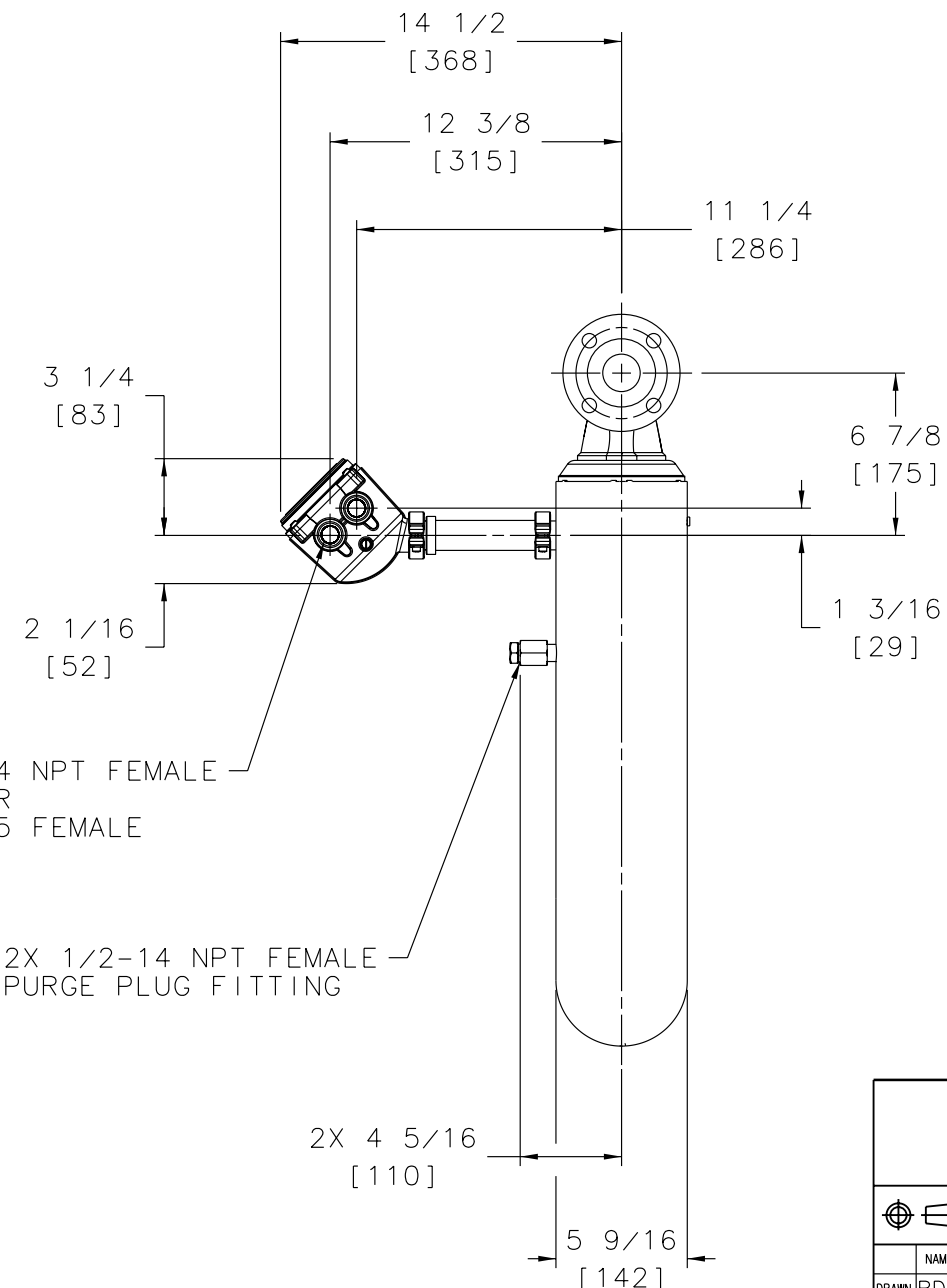
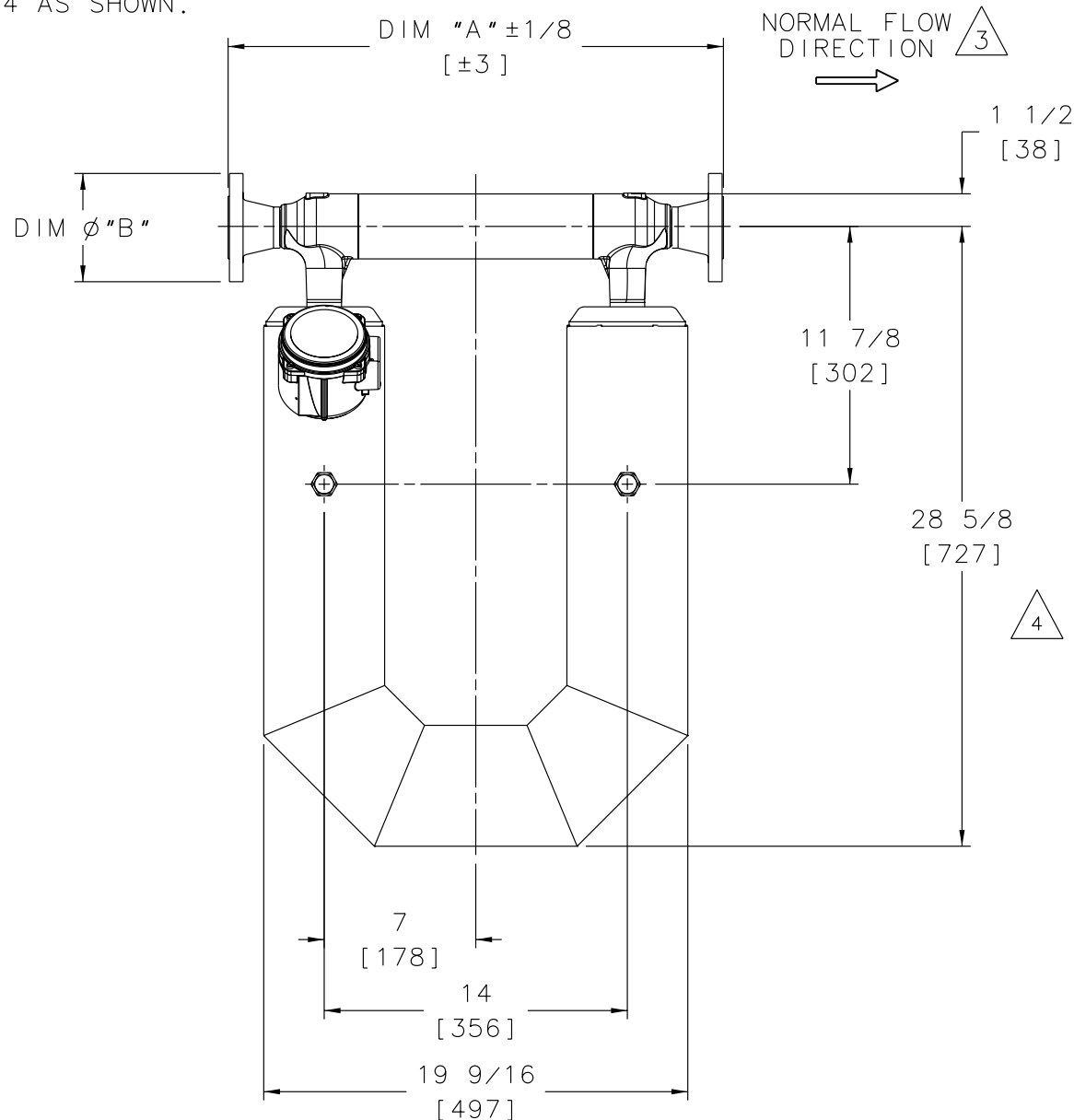
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES,  
NOT 4 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 1 1/2"	22 7/8 [581]	5 [127]	65 LBS [30 Kg]	79 LBS [36 Kg]
	ANSI CL 300 1 1/2"	23 3/8 [594]	6 1/8 [156]	71 LBS [32 Kg]	85 LBS [39 Kg]
	ANSI CL 600 1 1/2"	23 7/8 [606]	6 1/8 [156]	73 LBS [34 Kg]	88 LBS [40 Kg]
	ANSI CL 150 2"	22 7/8 [581]	6 [152]	69 LBS [31 Kg]	83 LBS [38 Kg]
⑥	ANSI CL 300 2"	23 3/8 [594]	6 1/2 [165]	73 LBS [34 Kg]	88 LBS [40 Kg]
⑥	ANSI CL 600 2"	23 5/8 [600]	6 1/2 [165]	76 LBS [35 Kg]	90 LBS [41 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF200M ANSI EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/26/05	D	20004623	A
	CHKD.	RBG	8/7/06		
	APVD.	RBG	8/7/06	SCALE 1:4	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: F316 STAINLESS STEEL. CHEMICAL PROPERTIES: F316L STAINLESS STEEL.
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR HOUSING INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
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PROCESS CONNECTION	DIM "A"	DIM ø"B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 40MM	21 9/16 [548]	5 1/2 [140]	64 LBS [29 Kg]	78 LBS [36 Kg]
JIS 10K 50MM	21 13/16 [554]	6 1/8 [155]	66 LBS [30 Kg]	80 LBS [37 Kg]
JIS 20K 40MM	21 9/16 [548]	5 1/2 [140]	65 LBS [30 Kg]	79 LBS [36 Kg]
⑥ JIS 20K 50MM	21 13/16 [554]	6 1/8 [155]	66 LBS [30 Kg]	80 LBS [37 Kg]

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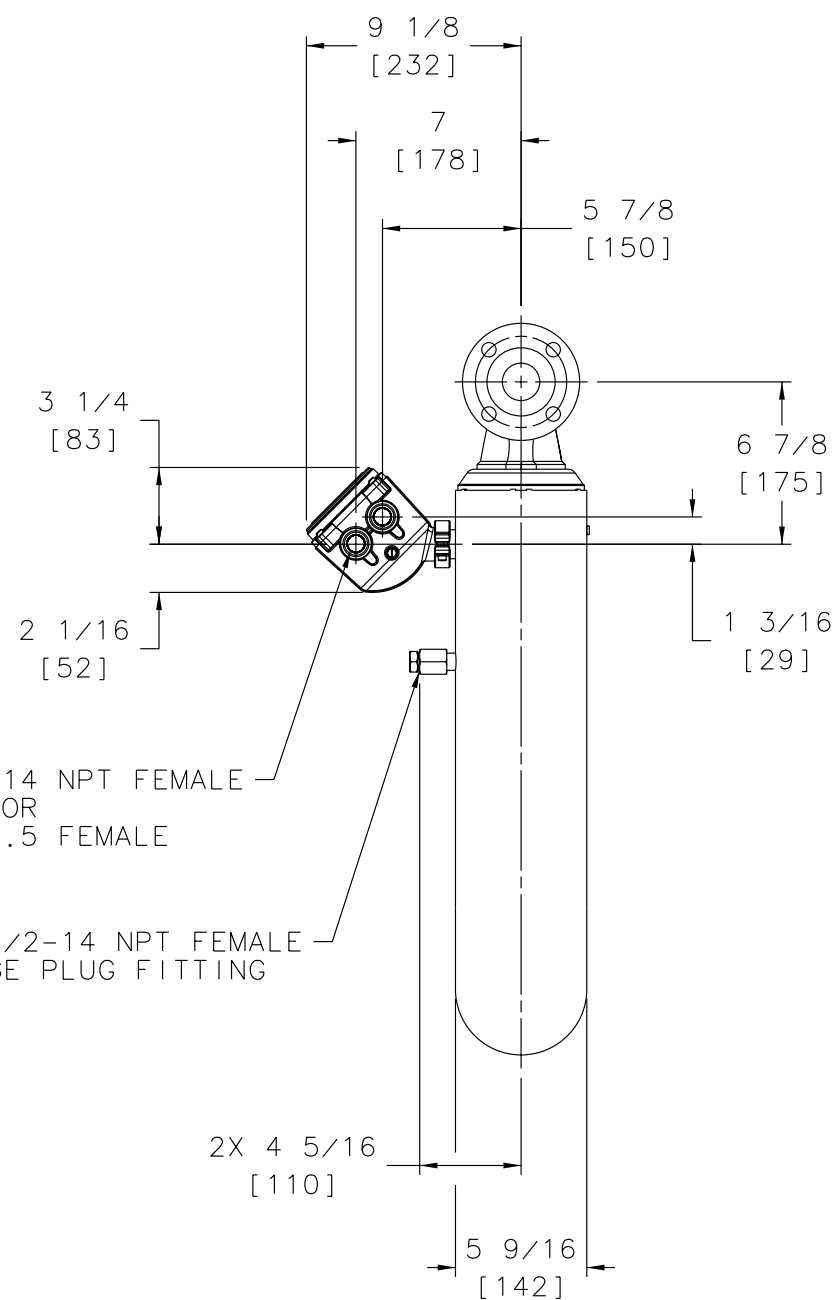
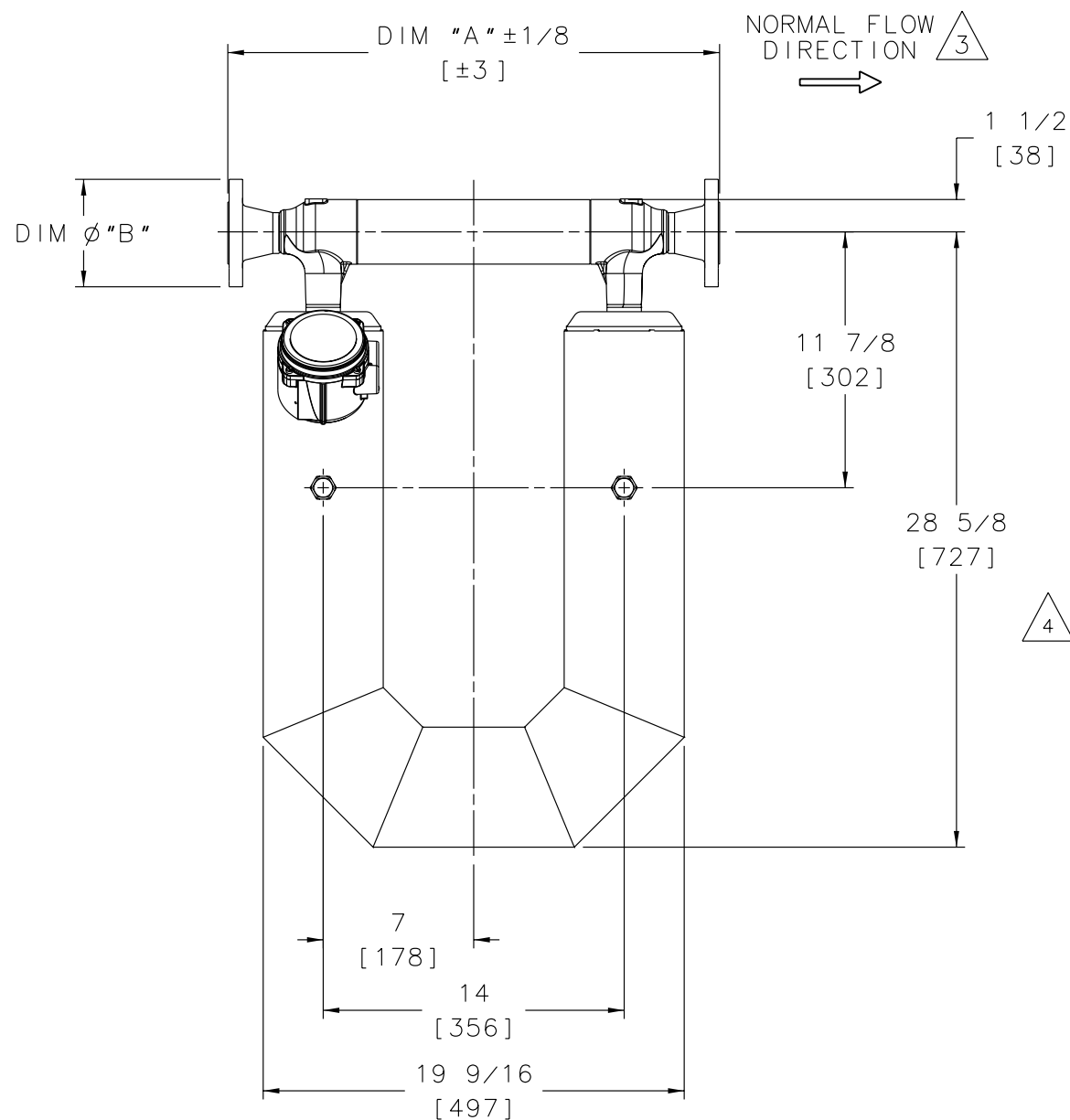
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF200M JIS ENHANCED CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN RDR	9/26/05	D	20004619
CHKD. RBG	8/7/06	SCALE 1:4	DO NOT SCALE DRAWING
APVD. RBG	8/7/06	SHEET 1 OF 1	REV. A

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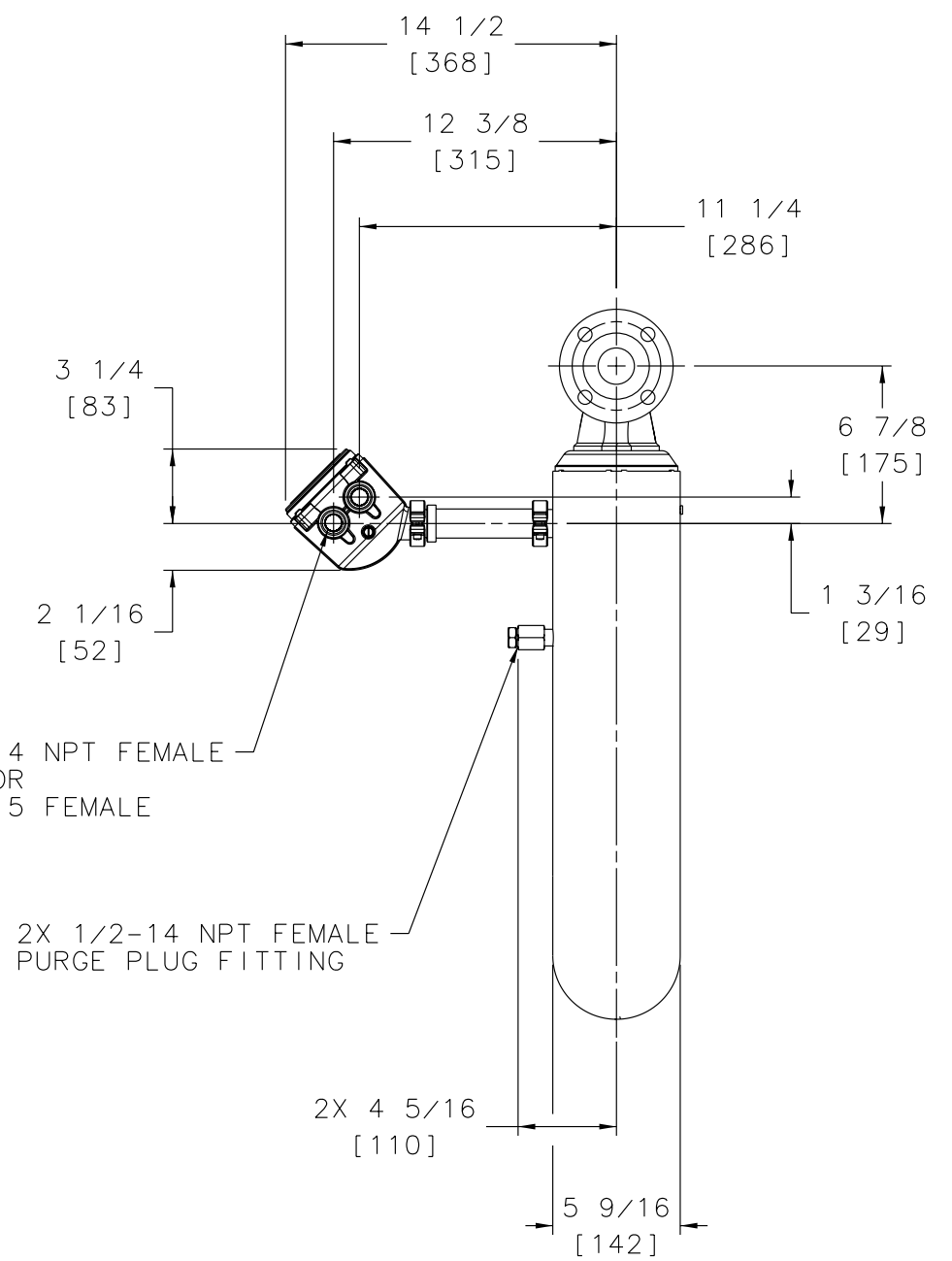
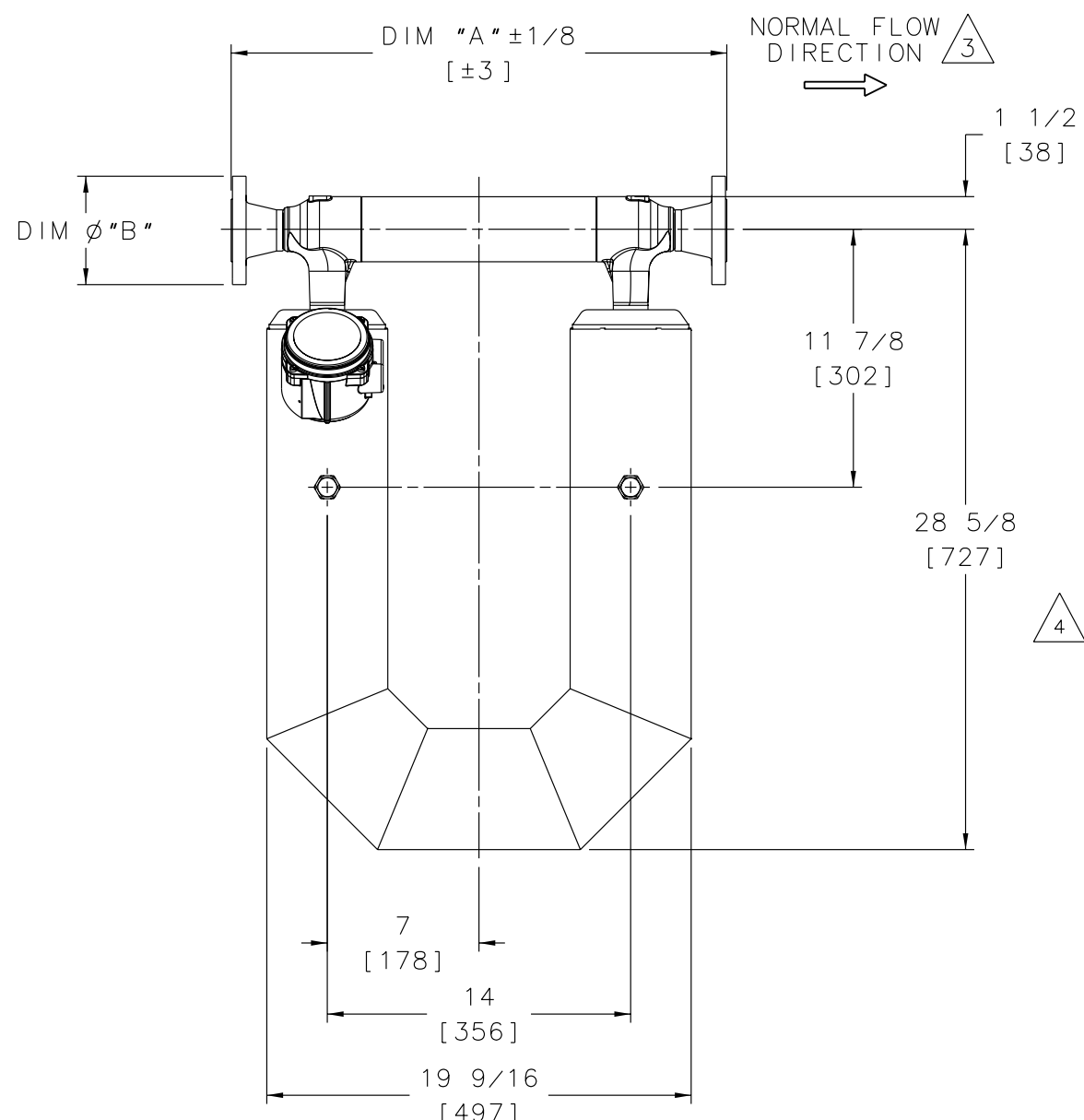
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: F316 STAINLESS STEEL. CHEMICAL PROPERTIES: F316L STAINLESS STEEL.
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM ø"B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 40MM	21 9/16 [548]	5 1/2 [140]	65 LBS [30 Kg]	80 LBS [36 Kg]
	JIS 10K 50MM	21 13/16 [554]	6 1/8 [155]	67 LBS [31 Kg]	81 LBS [37 Kg]
	JIS 20K 40MM	21 9/16 [548]	5 1/2 [140]	66 LBS [30 Kg]	80 LBS [37 Kg]
⑥	JIS 20K 50MM	21 13/16 [554]	6 1/8 [155]	67 LBS [31 Kg]	82 LBS [37 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF200M JIS EXT ENHANCED CORE	
DRAWN RDR 9/26/05 CHKD. RBG 8/7/06 APVD. RBG 8/7/06	NAME DATE	SIZE D DWG. NO. 20004626	REV. A
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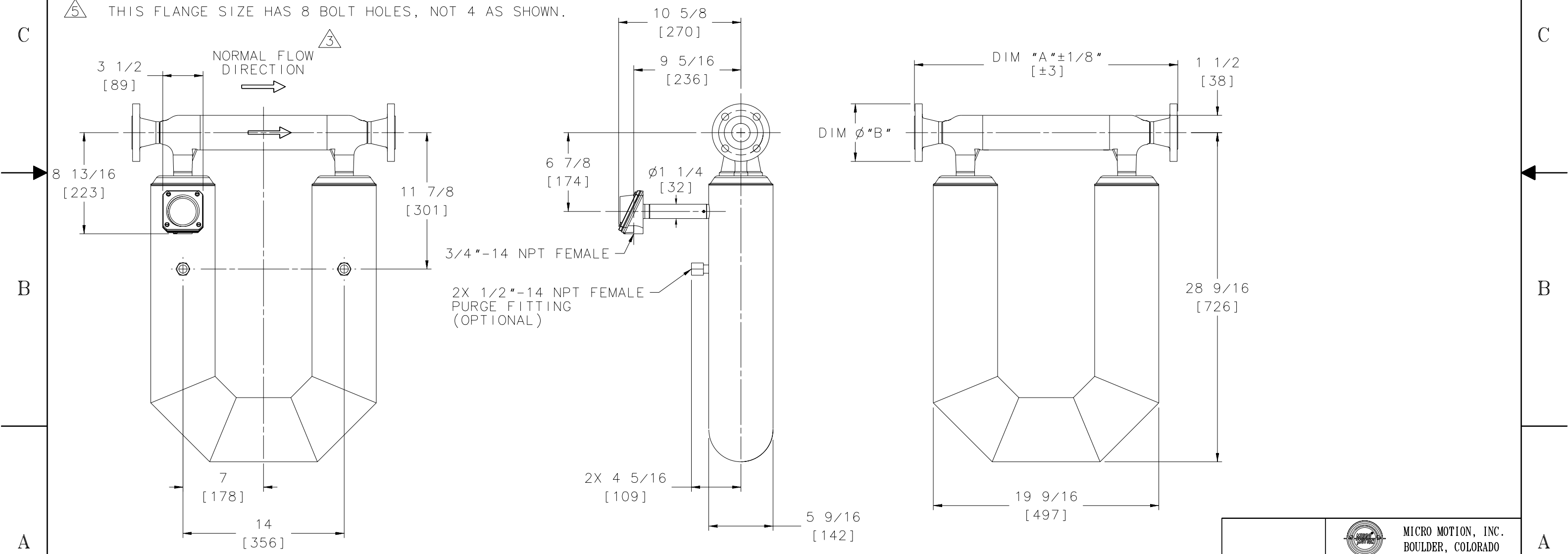
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① PROCESS CONNECTION:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
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PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1 1/2"	22 7/8 [581]	$\phi$ 5 [127]	64 LBS [29 Kg]	78 LBS [36 Kg]
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ANSI 600# 1 1/2"	23 7/8 [606]	$\phi$ 6 1/8 [156]	72 LBS [33 Kg]	87 LBS [40 Kg]
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		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO		
		DIM DWG, CMF200M ANSI EXT JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SES	7/26/01	D	EP-3006120	A
CHKD. JLA	12/5/01	SCALE NONE	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	12/5/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

1. PROCESS CONNECTION:  
 ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: 316L STAINLESS STEEL
2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304  
 WIRING JUNCTION BOX: ALUMINIUM PAINTED
3. THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
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PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 1 1/2"	22 7/8 [581]	$\phi$ 5 [127]	63LBS [29Kg]	77 LBS [35 Kg]
ANSI 300# 1 1/2"	23 3/8 [594]	$\phi$ 6 1/8 [156]	69 LBS [32 Kg]	83 LBS [38 Kg]
ANSI 600# 1 1/2"	23 7/8 [606]	$\phi$ 6 1/8 [156]	71 LBS [33 Kg]	85 LBS 39 Kg]
ANSI 150# 2"	22 7/8 [581]	$\phi$ 6 [152]	67 LBS [31 Kg]	81 LBS [37 Kg]
5. ANSI 300# 2"	23 3/8 [594]	$\phi$ 6 1/2 [165]	71 LBS [33 Kg]	85 LBS [39 Kg]
5. ANSI 600# 2"	23 5/8 [600]	$\phi$ 6 1/2 [165]	74 LBS [34 Kg]	88 LBS [40 Kg]

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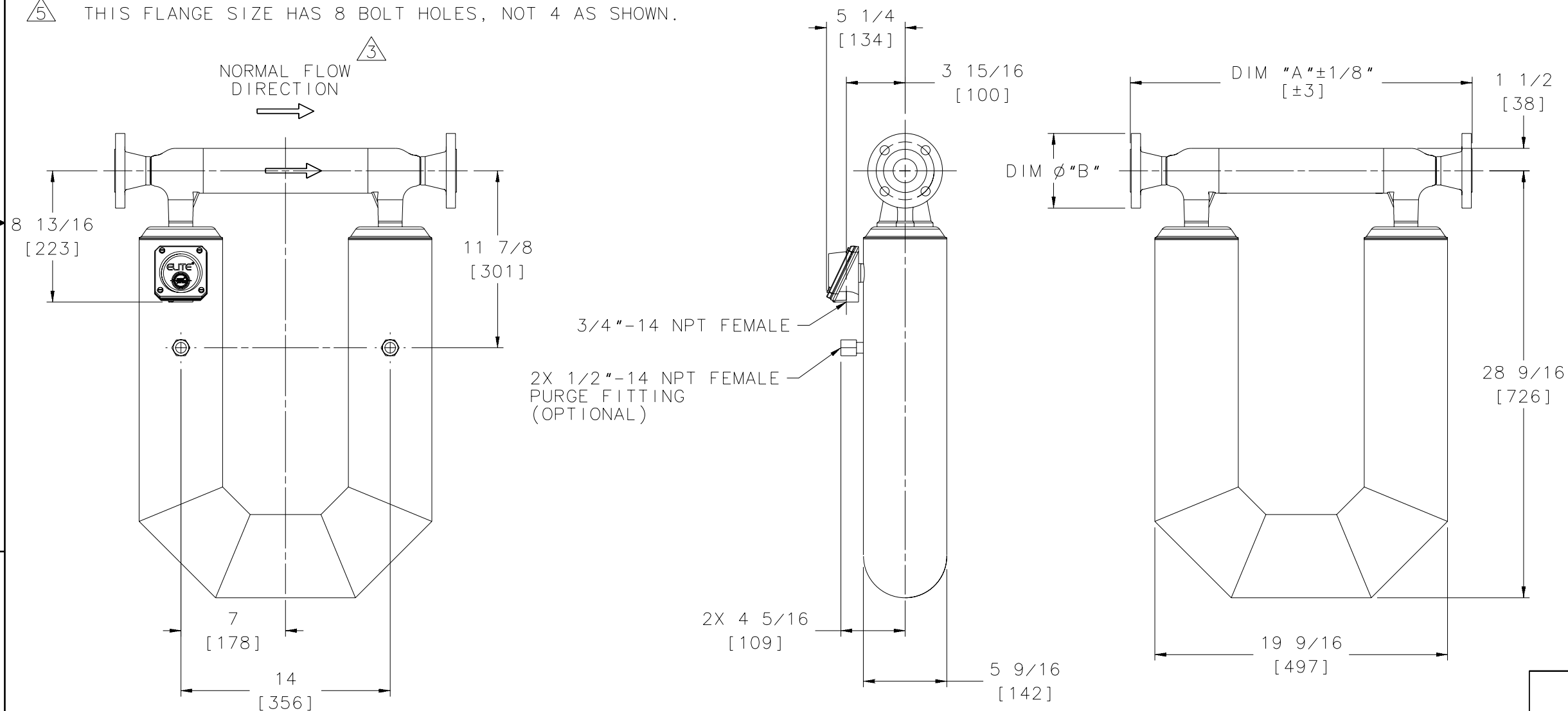
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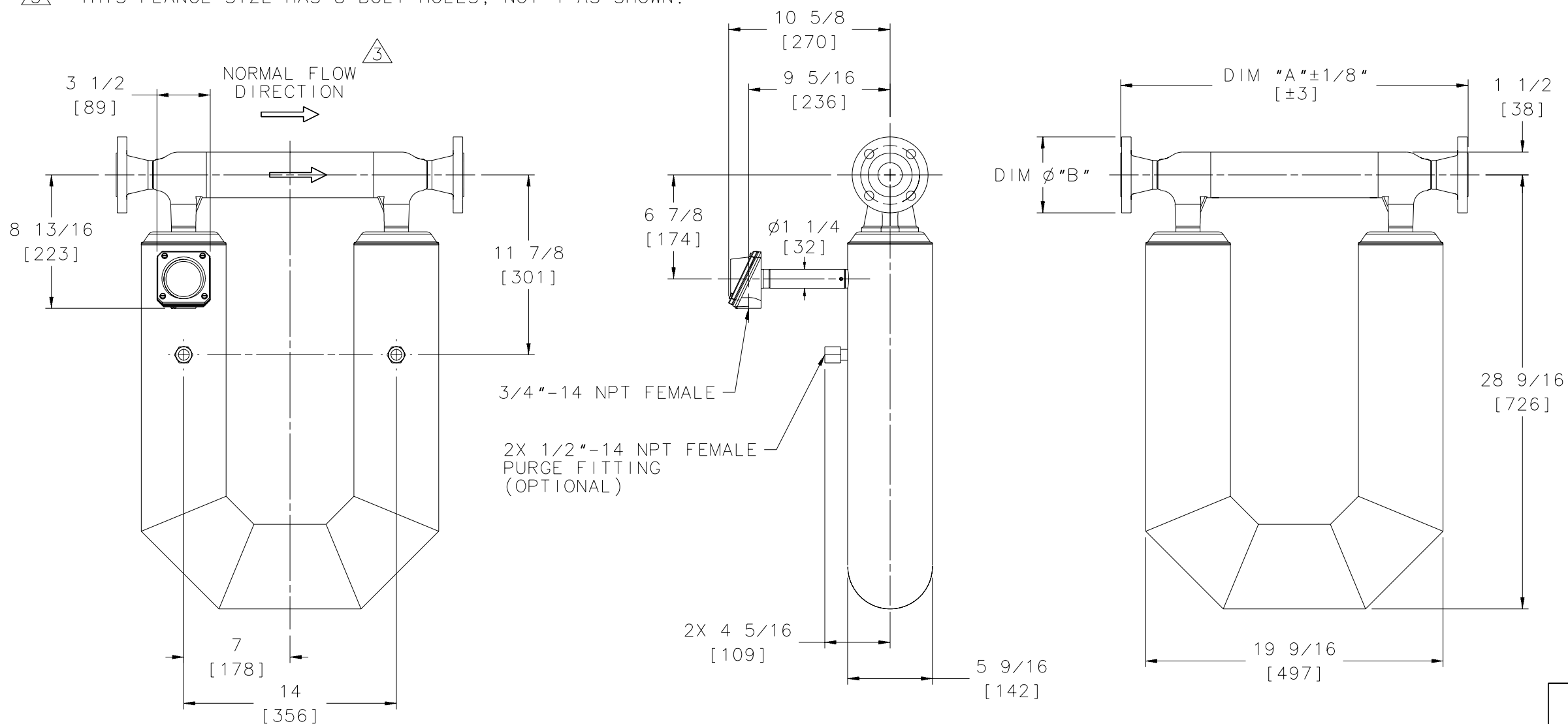
THIRD ANGLE PROJECTION		MICRO MOTION, INC. BOULDER, COLORADO		
		DIM DWG, CMF200M ANSI JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN SAD	3/17/01	D	EP-3005899	A
CHKD. JLA	4/1/01	SCALE NONE	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD. JLA	4/1/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	64 LBS [29 Kg]	79 LBS [36 Kg]
JIS 10K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	66 LBS [30 Kg]	80 LBS [37 Kg]
JIS 20K 40MM	21 9/16 [548]	$\phi$ 5 1/2 [140]	65 LBS [30 Kg]	79 LBS [36 Kg]
⑤ JIS 20K 50MM	21 13/16 [554]	$\phi$ 6 1/8 [155]	66 LBS [30 Kg]	81 LBS [37 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF200M JIS EXT JBOX	
NAME DATE	NAME DATE	SIZE DWG. NO.	REV.
DRAWN SES 8/30/01	CHKD. JLA 12/5/01	D EP-3006124	A
APVD. JLA 12/5/01	SCALE 1:4 DO NOT SCALE DRAWING	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)



JIS FLANGE PER B2238 WELDING NECK FLANGE: FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: F316 STAINLESS STEEL CHEMICAL PROPERTIES: F316L STAINLESS STEEL



MATERIALS OF SENSOR CONSTRUCTION: WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L WIRING JUNCTION BOX: ALUMINUM PAINTED



THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.



DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.



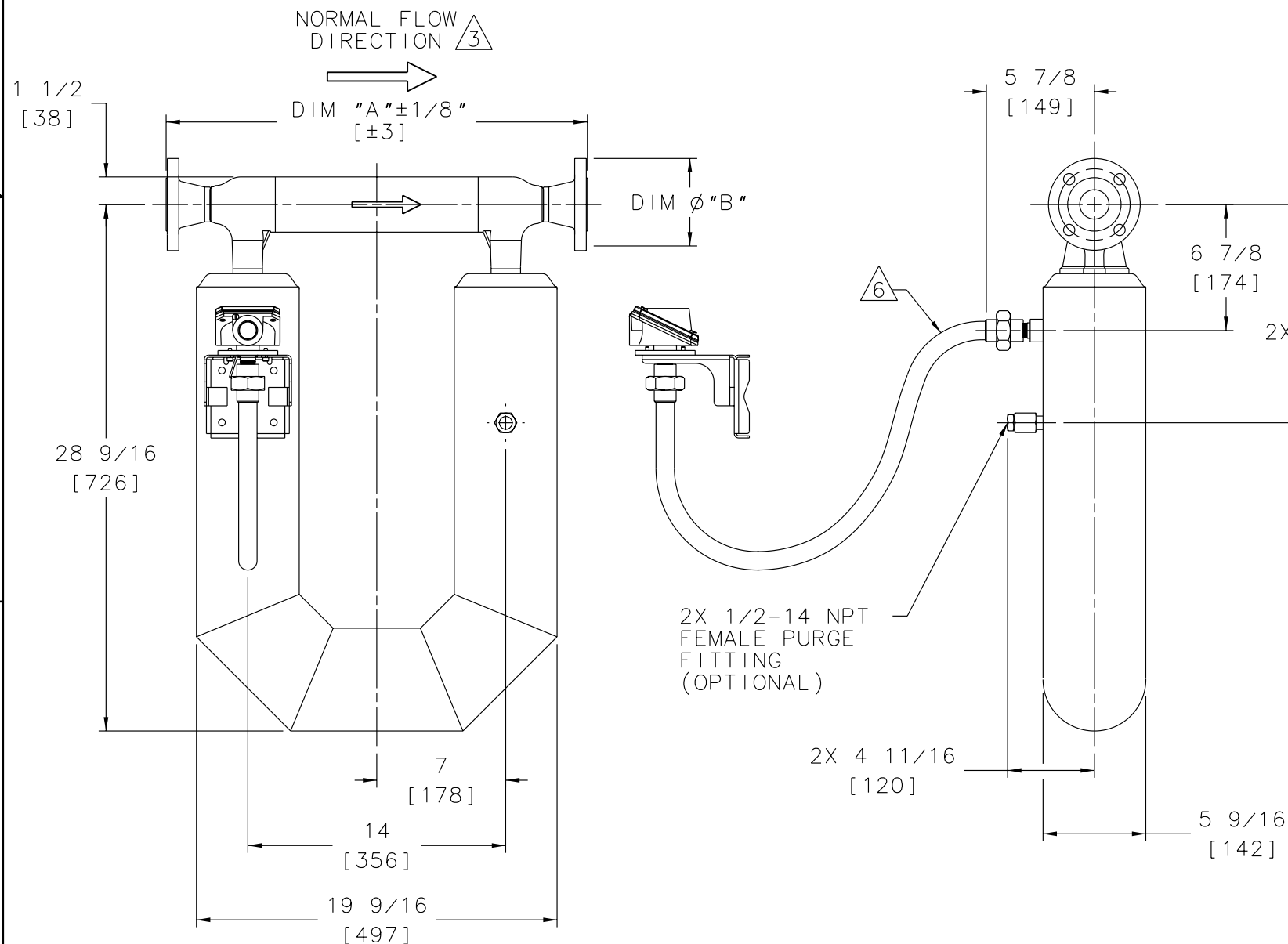
FLEXIBLE CONDUIT IS 32" [812] LONG AND HAS A MINIMUM 2 1/8" [54] BEND RADIUS.



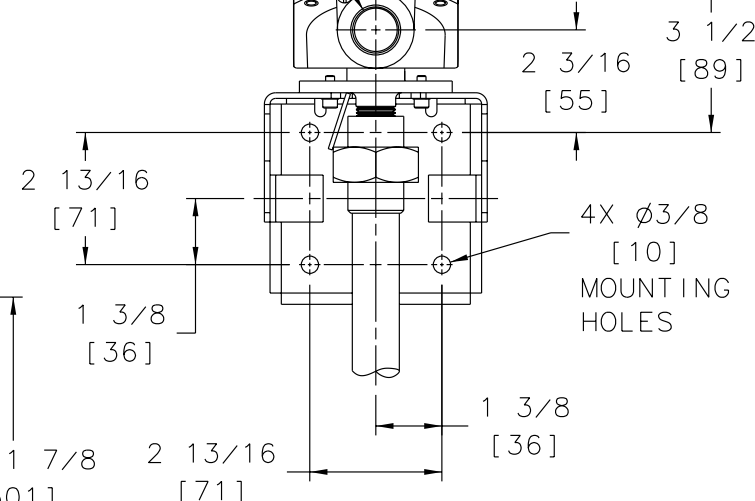
HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



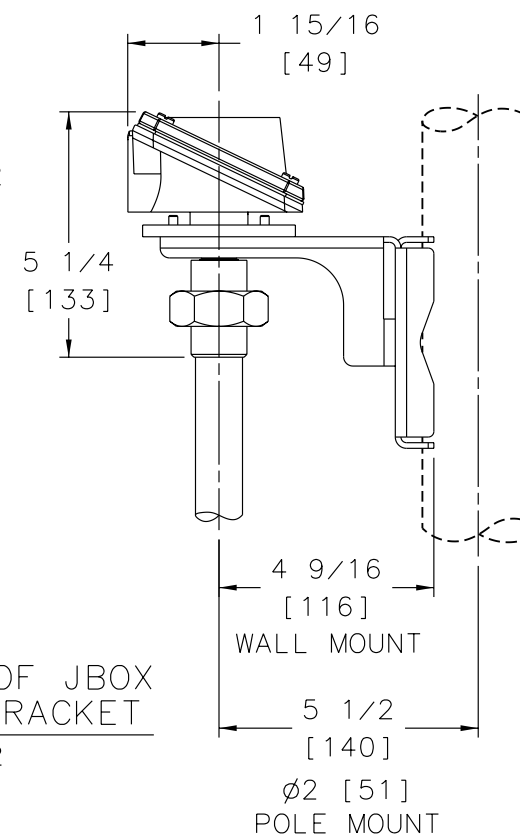
PROCESS CONNECTION	DIM "A"	DIM Ø"B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 40MM	21 9/16 [548]	Ø5 1/2 [140]	68 [31]	82 [37]
JIS 10K 50MM	21 13/16 [554]	Ø6 1/8 [155]	70 [32]	84 [38]
JIS 20K 40MM	21 9/16 [548]	Ø5 1/2 [140]	69 [31]	83 [37]
JIS 20K 50MM	21 13/16 [554]	Ø6 1/8 [155]	70 [32]	84 [38]



3/4-14 NPT FEMALE



DETAIL VIEWS OF JBOX IN MOUNTING BRACKET SCALE 1:2



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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF200A JIS JBOX AL	
NAME	DATE	SIZE	DWG. NO.
DRAWN RLM	10/28/05	D	20005602
CHKD. AN	12/13/05	SCALE NONE	DO NOT SCALE DRAWING
APVD. CAC	12/13/05	SHEET 1 OF 1	

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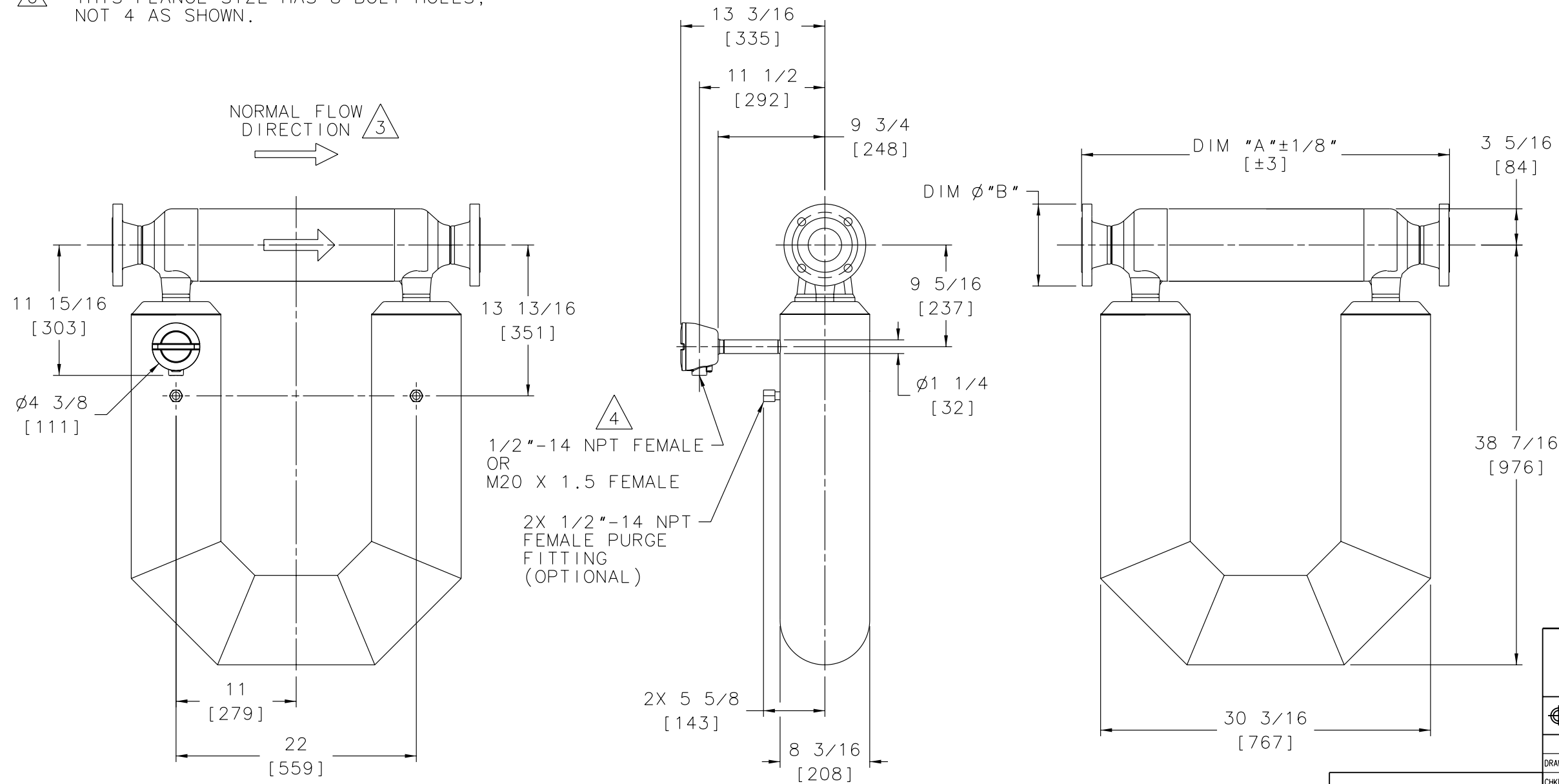
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES,  
NOT 4 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI 150# 3"	33 11/16 [856]	$\phi$ 7 1/2 [191]	170 LBS [77 Kg]	219 LBS [100 Kg]
⑥	ANSI 300# 3"	34 7/16 [875]	$\phi$ 8 1/4 [210]	177 LBS [81 Kg]	227 LBS [103 Kg]
⑥	ANSI 600# 3"	35 3/16 [894]	$\phi$ 8 1/4 [210]	184 LBS [84 Kg]	234 LBS [106 Kg]
⑥	ANSI 150# 4"	34 1/16 [865]	$\phi$ 9 [229]	175 LBS [80 Kg]	224 LBS [102 Kg]
⑥	ANSI 300# 4"	35 [889]	$\phi$ 10 [254]	194 LBS [88 Kg]	244 LBS [111 Kg]
⑥	ANSI 600# 4"	36 11/16 [932]	$\phi$ 10 3/4 [273]	222 LBS [101 Kg]	271 LBS [123 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF300M ANSI EXT CORE AL	
DRAWN	NAME	DATE	SIZE
CHKD.	JLA	12/16/02	D
APVD.	JLA	12/16/02	SCALE 3:16
DWG. NO.		REV.	
EP-20000610		B	
DO NOT SCALE DRAWING		SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.
- ⑥ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

①

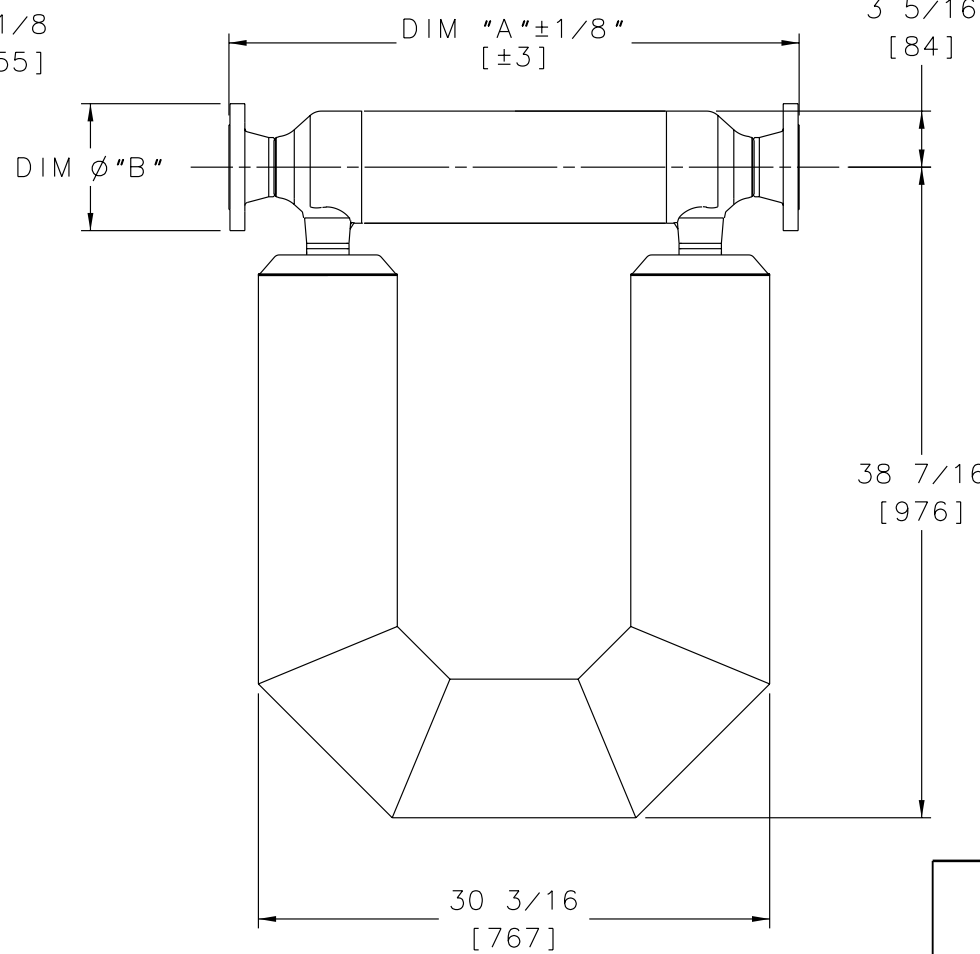
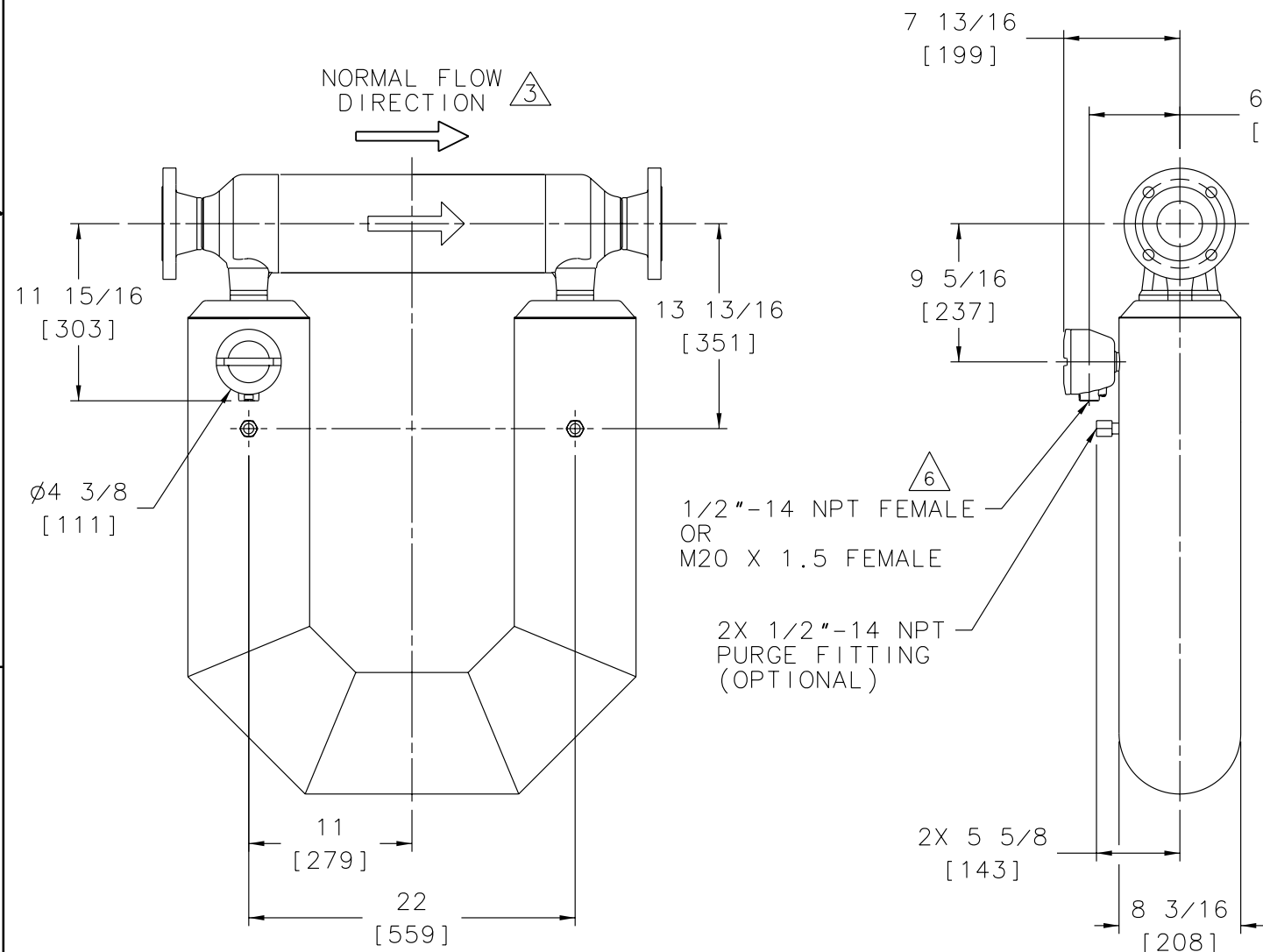
PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 3"	33 11/16 [856]	$\phi$ 7 1/2 [191]	172 LBS [78 Kg]	220 LBS [100 Kg]
⑤ ANSI 300# 3"	34 7/16 [875]	$\phi$ 8 1/4 [210]	180 LBS [82 Kg]	228 LBS [104 Kg]
⑤ ANSI 600# 3"	35 3/16 [894]	$\phi$ 8 1/4 [210]	187 LBS [85 Kg]	235 LBS [107 Kg]
⑤ ANSI 150# 4"	34 1/16 [865]	$\phi$ 9 [229]	178 LBS [81 Kg]	226 LBS [103 Kg]
⑤ ANSI 300# 4"	35 [889]	$\phi$ 10 [254]	197 LBS [90 Kg]	245 LBS [111 Kg]
⑤ ANSI 600# 4"	36 11/16 [932]	$\phi$ 10 3/4 [273]	225 LBS [102 Kg]	273 LBS [124 Kg]

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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF300M ANSI CORE PRCSR	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	SAD	3/17/01	D
CHKD.	JLA	4/3/01	EP-3005908
APVD.	JLA	4/3/01	SCALE 3:16 DO NOT SCALE DRAWING SHEET 1 OF 1

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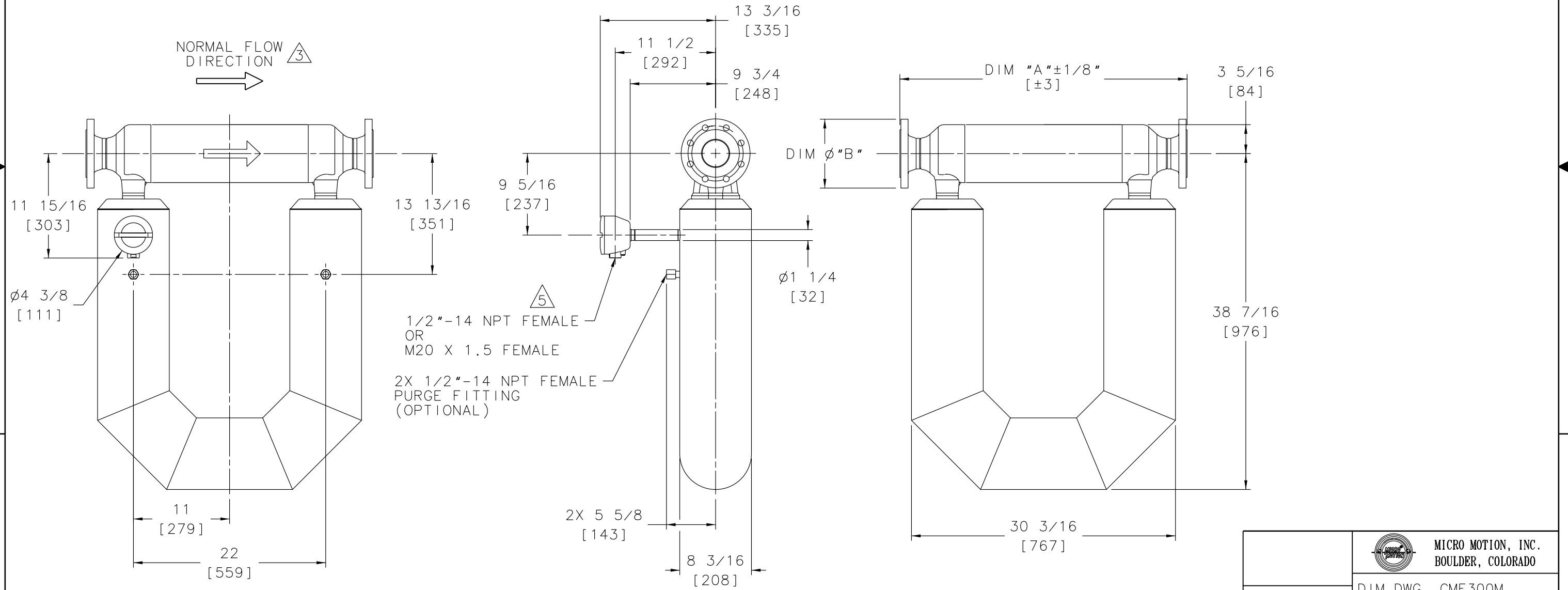
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 80MM	33 3/8 [848]	$\phi$ 7 5/16 [186]	167 LBS [76 Kg]	217 LBS [99 Kg]
JIS 10K 100MM	33 9/16 [853]	$\phi$ 8 1/4 [210]	172 LBS [78 Kg]	221 LBS [100 Kg]
JIS 20K 80MM	33 3/8 [848]	$\phi$ 7 7/8 [200]	172 LBS [78 Kg]	221 LBS [100 Kg]
JIS 20K 100MM	33 9/16 [853]	$\phi$ 8 7/8 [225]	180 LBS [82 Kg]	229 LBS [104 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF300M JIS EXT CORE	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	SES	7/25/01	B
CHKD.	JLA	12/5/01	B
APVD.	JLA	12/5/01	B
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SCALE 3:16		DO NOT SCALE DRAWING SHEET 1 OF 1	

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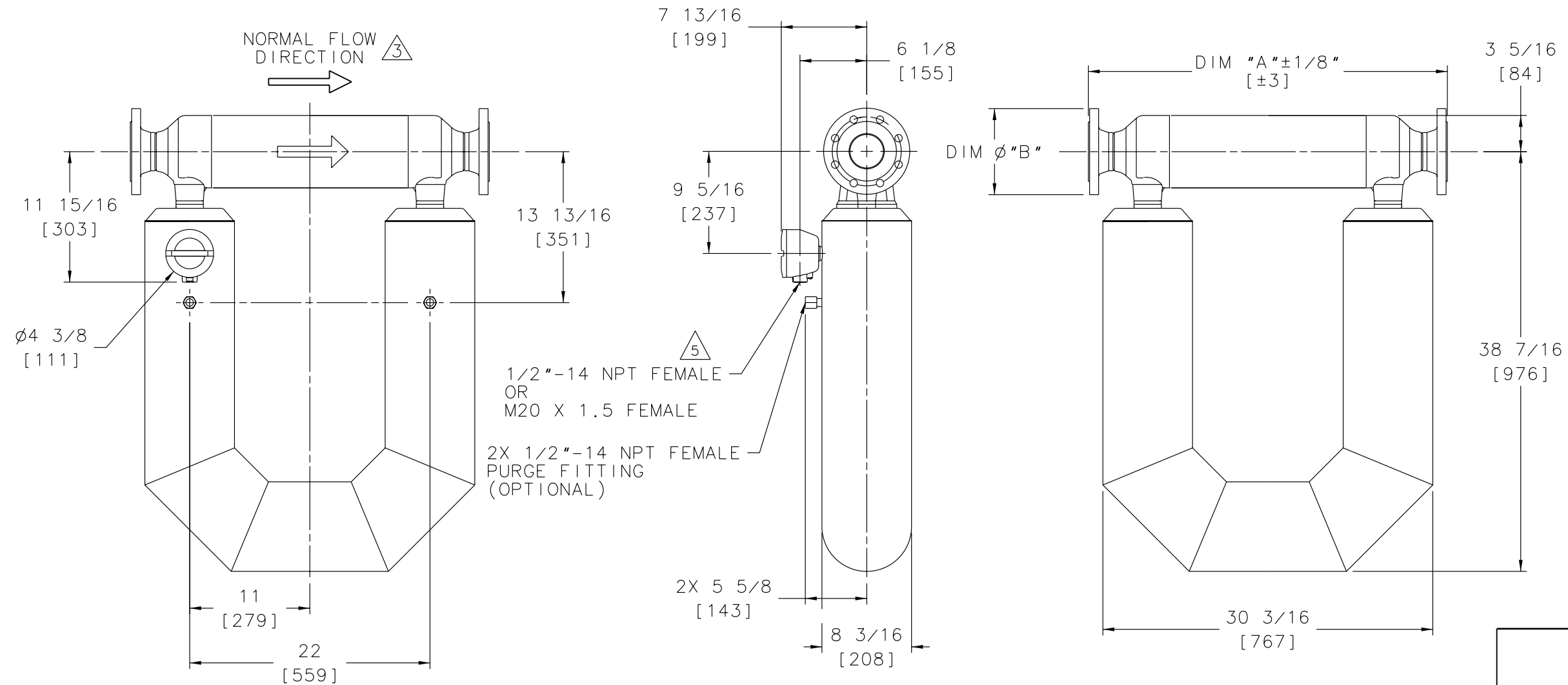
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ HOUSING ALLOWS FOR 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 80MM	33 3/8 [848]	$\phi$ 7 5/16 [186]	166 LBS [76 Kg]	214 LBS [98 Kg]
JIS 10K 100MM	33 9/16 [853]	$\phi$ 8 1/4 [210]	171 LBS [78 Kg]	219 LBS [99 Kg]
JIS 20K 80MM	33 3/8 [848]	$\phi$ 7 7/8 [200]	171 LBS [78 Kg]	219 LBS [99 Kg]
JIS 20K 100MM	33 9/16 [853]	$\phi$ 8 7/8 [225]	179 LBS [81 Kg]	227 LBS [103 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF300M JIS CORE PRCSR	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	SAD	3/17/01	D
CHKD.	JLA	4/3/01	EP-3005912
APVD.	JLA	4/3/01	D
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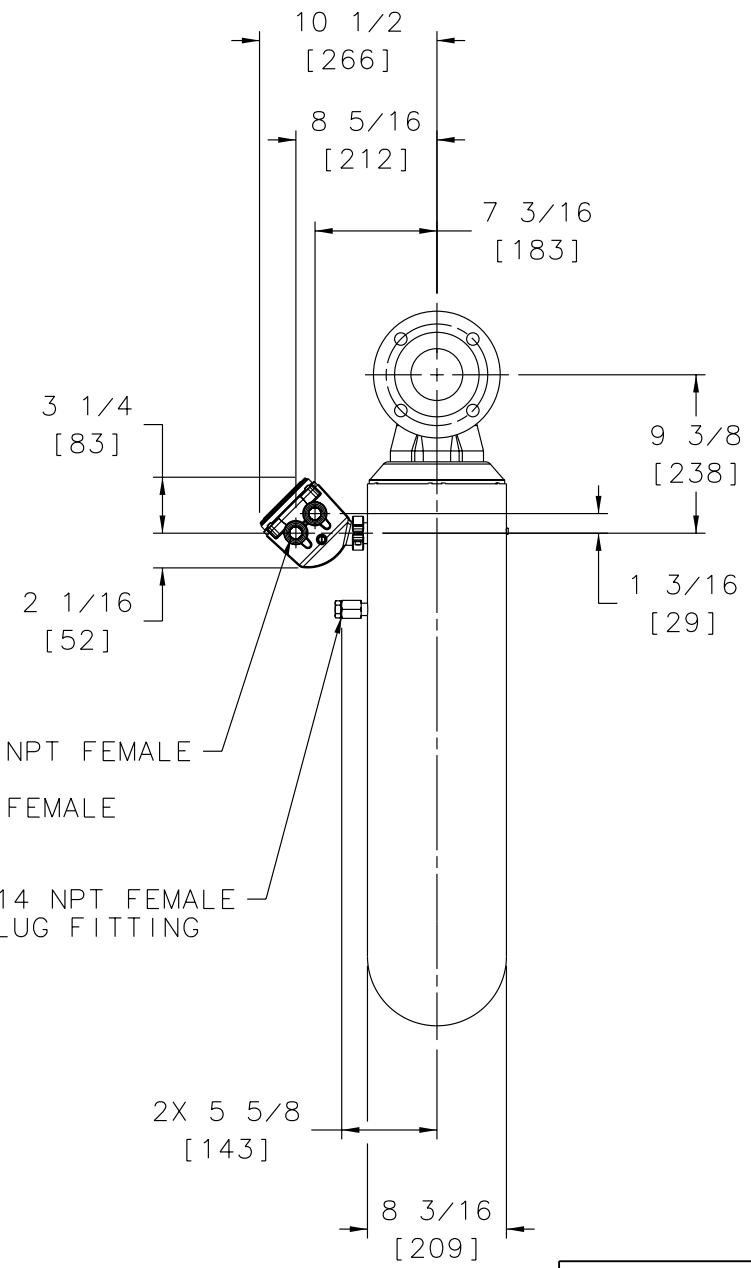
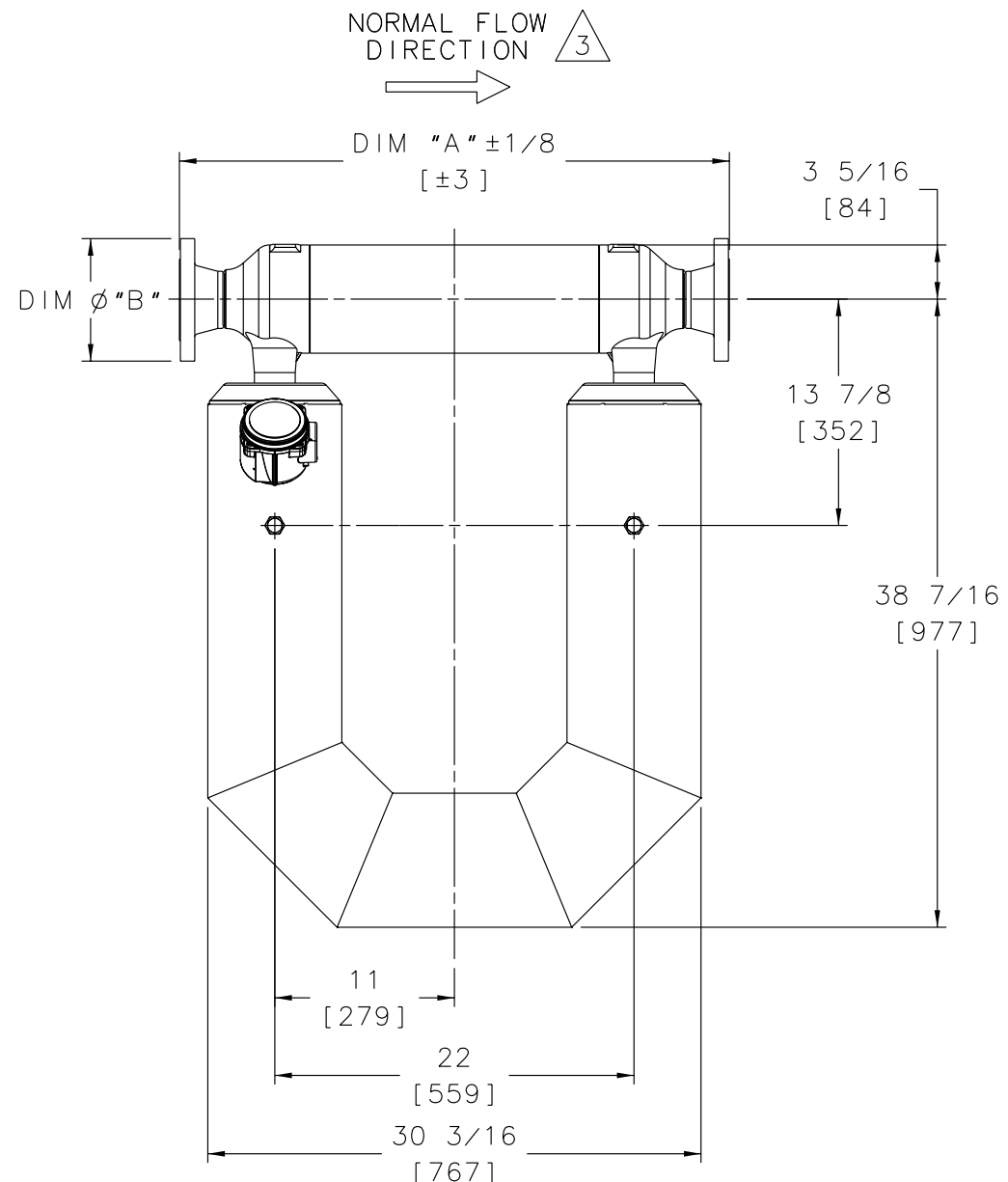
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 3"	33 11/16 [856]	7 1/2 [191]	169 LBS [77 Kg]	217 LBS [99 Kg]
⑥	ANSI CL 300 3"	34 7/16 [875]	8 1/4 [210]	176 LBS [80 Kg]	224 LBS [102 Kg]
⑥	ANSI CL 600 3"	35 3/16 [894]	8 1/4 [210]	183 LBS [83 Kg]	231 LBS [105 Kg]
⑥	ANSI CL 150 4"	34 1/16 [865]	9 [229]	174 LBS [79 Kg]	222 LBS [101 Kg]
⑥	ANSI CL 300 4"	35 [889]	10 [254]	193 LBS [88 Kg]	241 LBS [110 Kg]
⑥	ANSI CL 600 4"	36 11/16 [932]	10 3/4 [273]	221 LBS [101 Kg]	269 LBS [122 Kg]



④ 2X 1/2-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE

2X 1/2-14 NPT FEMALE  
PURGE PLUG FITTING

		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF300M ANSI ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	RDR	9/26/05	D	20004630	A
CHKD.	RBG	8/8/06	SCALE 3:16	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	RBG	8/8/06			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL

2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

⑥ THIS FLANGE SIZE HAS 8 BOLT HOLES,  
NOT 4 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 3"	33 11/16 [856]	7 1/2 [191]	170 LBS [77 Kg]	219 LBS [100 Kg]
⑥	ANSI CL 300 3"	34 7/16 [875]	8 1/4 [210]	177 LBS [81 Kg]	227 LBS [103 Kg]
⑥	ANSI CL 600 3"	35 3/16 [894]	8 1/4 [210]	184 LBS [84 Kg]	234 LBS [106 Kg]
⑥	ANSI CL 150 4"	34 1/16 [865]	9 [229]	175 LBS [80 Kg]	224 LBS [102 Kg]
⑥	ANSI CL 300 4"	35 [889]	10 [254]	194 LBS [88 Kg]	244 LBS [111 Kg]
⑥	ANSI CL 600 4"	36 11/16 [932]	10 3/4 [273]	222 LBS [101 Kg]	271 LBS [123 Kg]

DIM "A"  $\pm 1/8$  [±3]

DIM  $\phi$ "B"

3 5/16 [84]

13 7/8 [352]

38 7/16 [977]

11 [279]

22 [559]

30 3/16 [767]

NORMAL FLOW DIRECTION ③

15 7/8 [403]

13 11/16 [348]

12 9/16 [320]

3 1/4 [83]

9 3/8 [238]

2 1/16 [52]

1 3/16 [29]

2X 5 5/8 [143]

8 3/16 [209]

④ 2X 1/2-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE

2X 1/2-14 NPT FEMALE  
PURGE PLUG FITTING

		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF300M ANSI EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/26/05	D	20004637	A
	CHKD.	RBG	8/8/06		
	APVD.	RBG	8/8/06	SCALE 3:16	DO NOT SCALE DRAWING SHEET 1 OF 1

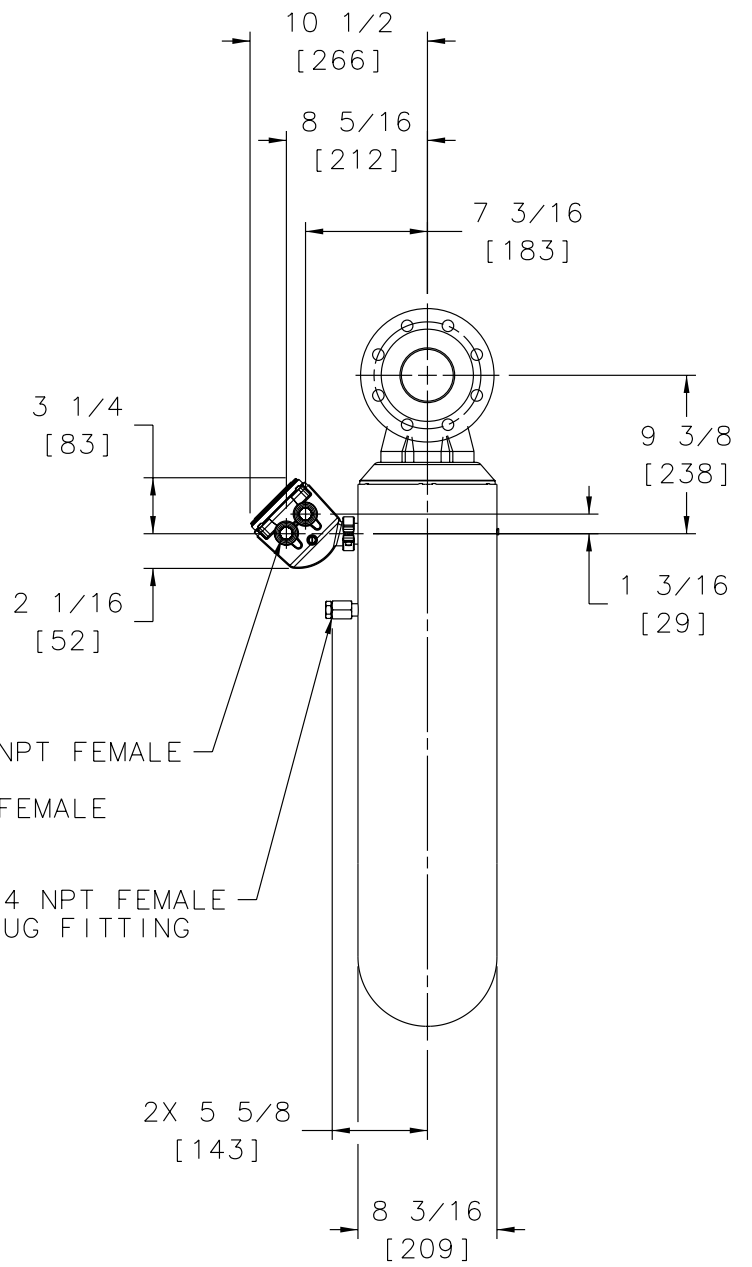
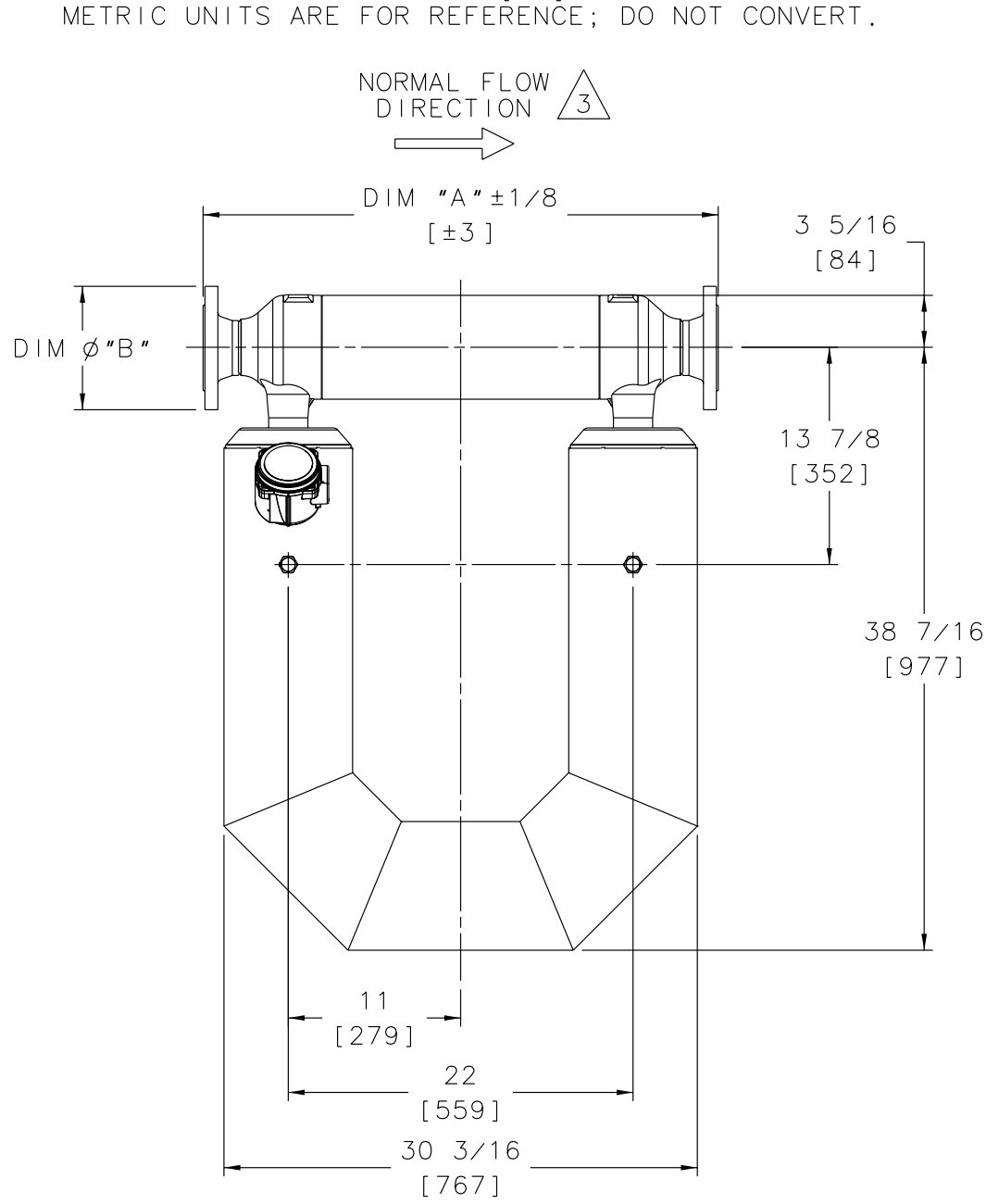
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
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- ④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM].  
METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 80MM	33 3/8 [848]	7 5/16 [186]	163 LBS [74 Kg]	211 LBS [96 Kg]
	JIS 10K 100MM	33 9/16 [853]	8 1/4 [210]	167 LBS [76 Kg]	215 LBS [98 Kg]
	JIS 20K 80MM	33 3/8 [848]	7 7/8 [200]	167 LBS [76 Kg]	215 LBS [98 Kg]
	JIS 20K 100MM	33 9/16 [853]	8 7/8 [225]	175 LBS [80 Kg]	223 LBS [102 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF300M JIS ENHANCED CORE	
DRAWN: RDR CHKD.: RBG APVD.: RBG	NAME: RDR DATE: 9/26/05 8/8/06 8/8/06	SIZE: D DWG. NO.: 20004633 SCALE: 3:16	REV.: A SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

① JIS FLANGE PER B2238 WELDING NECK FLANGE.  
 FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
 MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
 CHEMICAL PROPERTIES: F316L STAINLESS STEEL

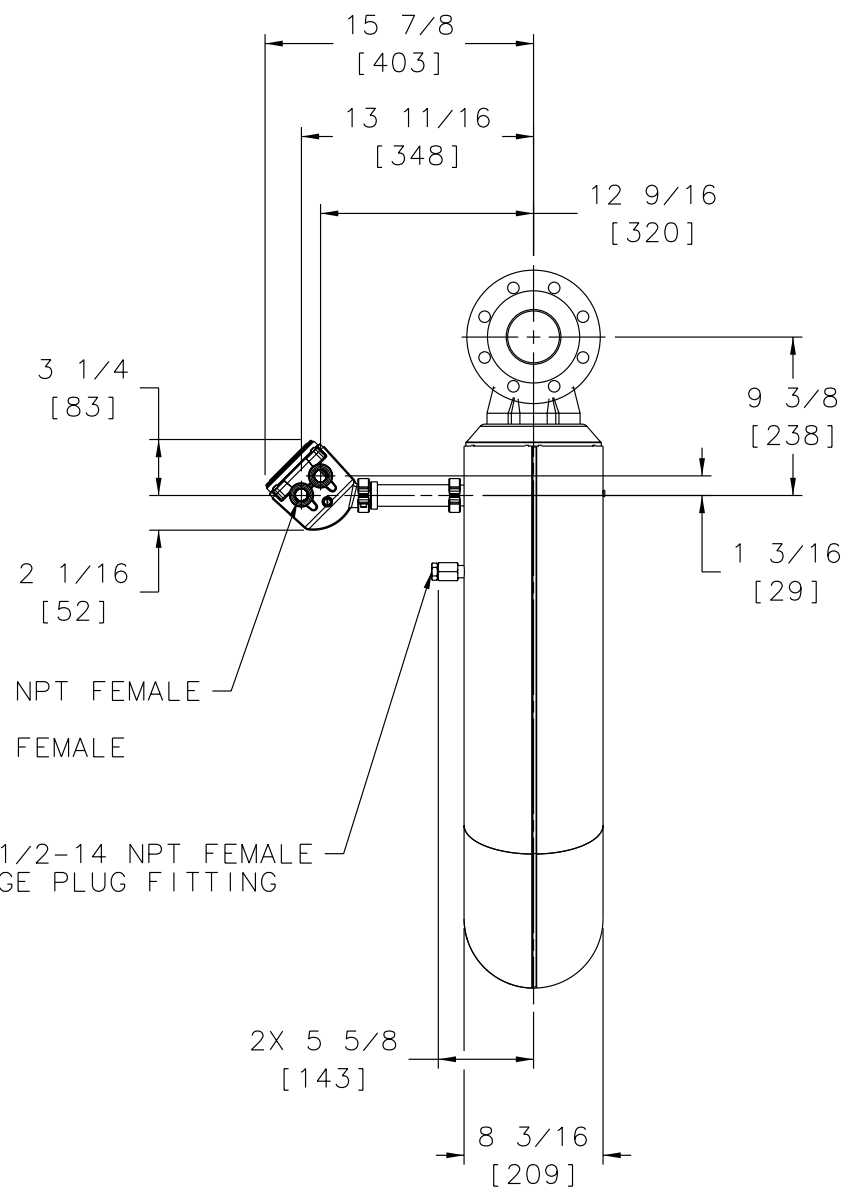
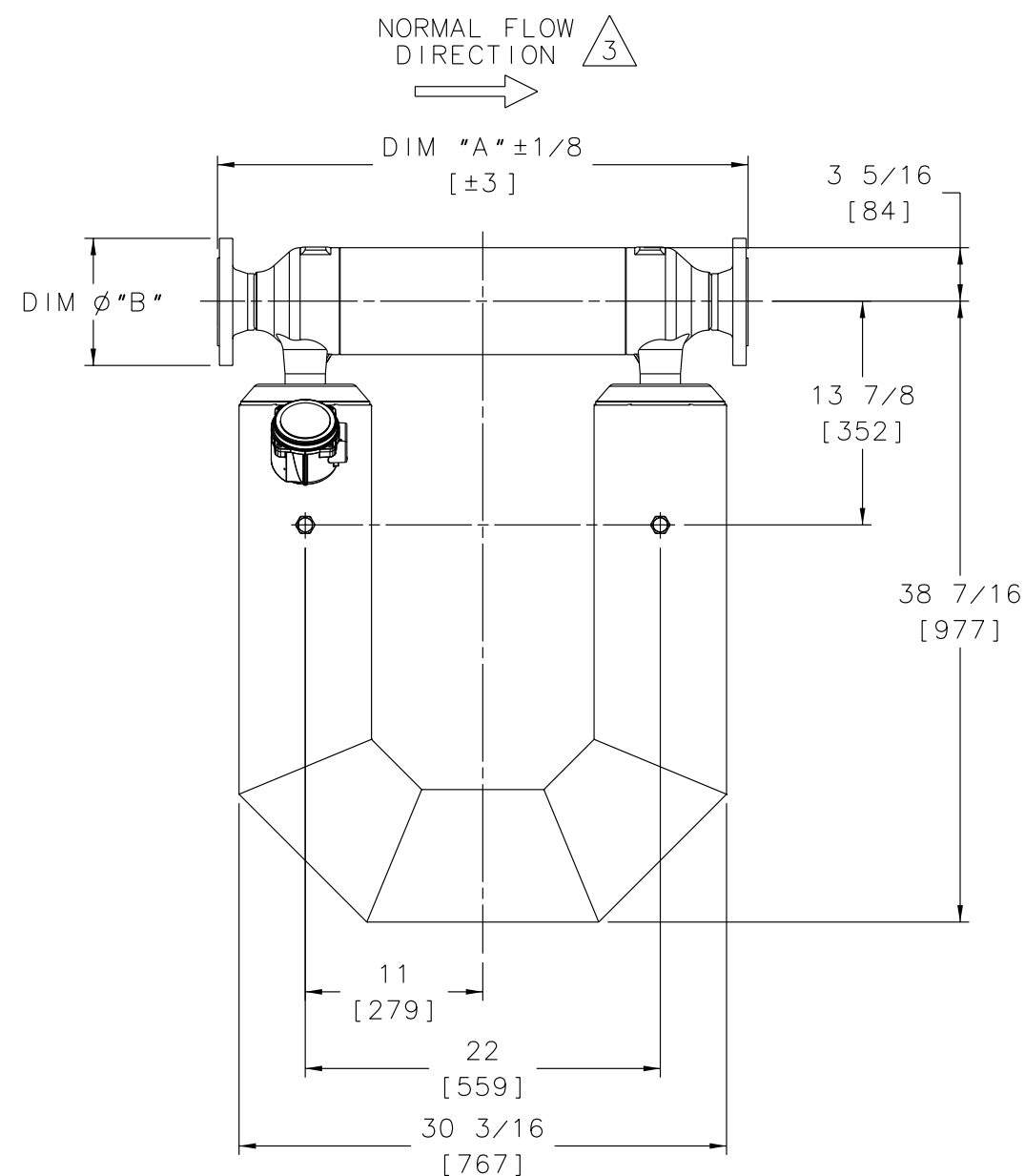
2. MATERIALS OF SENSOR CONSTRUCTION:  
 WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
 SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
 WIRING JUNCTION BOX: ALUMINUM PAINTED

③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
 THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
 REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
 DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.

④ HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.

5. DIMENSIONS ARE IN INCHES [MM].  
 METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 80MM	33 3/8 [848]	7 5/16 [186]	164 LBS [75 Kg]	213 LBS [97 Kg]
	JIS 10K 100MM	33 9/16 [853]	8 1/4 [210]	168 LBS [76 Kg]	217 LBS [99 Kg]
	JIS 20K 80MM	33 3/8 [848]	7 7/8 [200]	168 LBS [76 Kg]	217 LBS [99 Kg]
	JIS 20K 100MM	33 9/16 [853]	8 7/8 [225]	176 LBS [80 Kg]	225 LBS [103 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF300M JIS EXT ENHANCED CORE	
	THIRD ANGLE PROJECTION	NAME	DATE
DRAWN: RDR	9/26/05	SIZE	DWG. NO.
CHKD: RBG	8/8/06	D	20004640
APVD: RBG	8/8/06	SCALE 3:16	DO NOT SCALE DRAWING SHEET 1 OF 1

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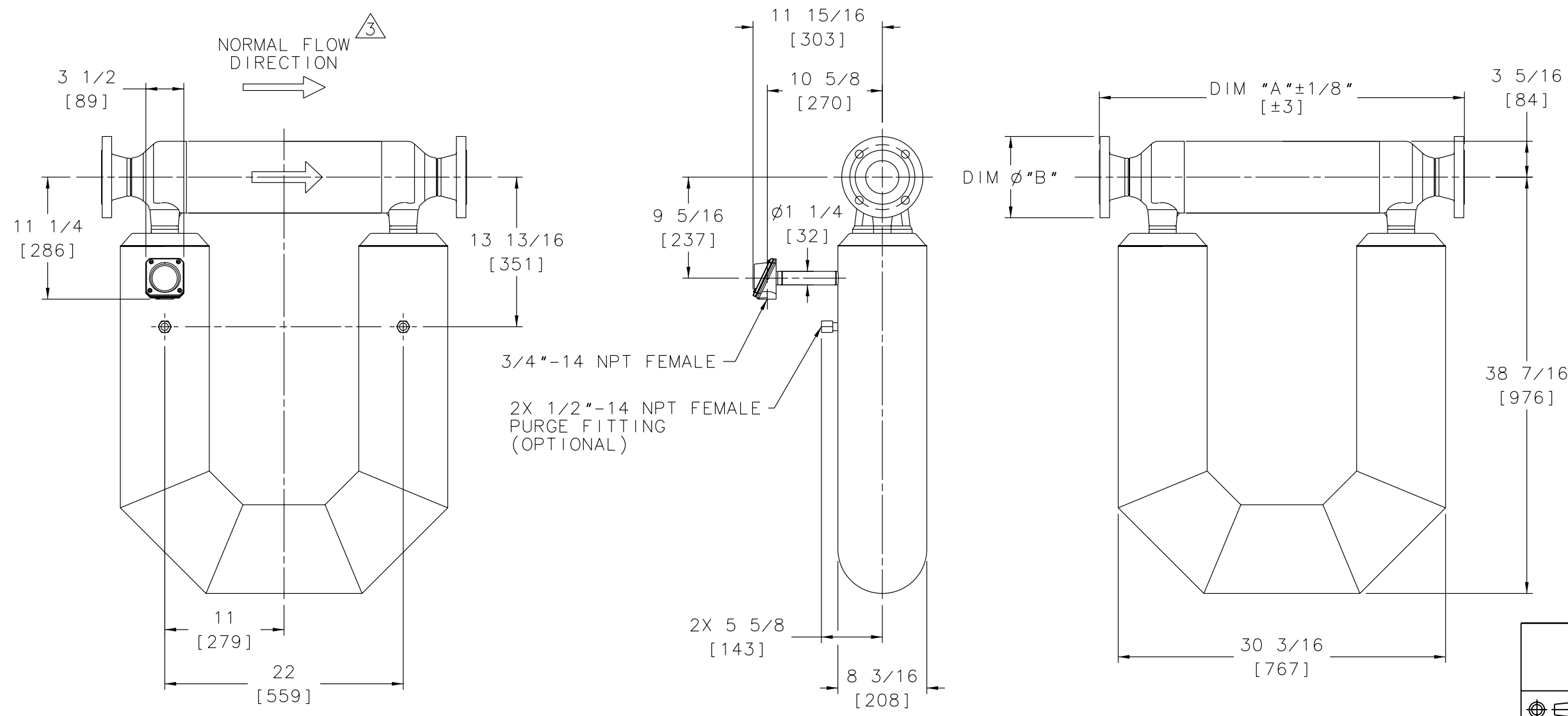
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 3"	33 11/16 [856]	$\phi$ 7 1/2 [191]	169 LBS [77 Kg]	218 LBS [99 Kg]
⑤ ANSI 300# 3"	34 7/16 [875]	$\phi$ 8 1/4 [210]	176 LBS [80 Kg]	226 LBS [103 Kg]
⑤ ANSI 600# 3"	35 3/16 [894]	$\phi$ 8 1/4 [210]	183 LBS [83 Kg]	233 LBS [106 Kg]
⑤ ANSI 150# 4"	34 1/16 [865]	$\phi$ 9 [229]	174 LBS [79 Kg]	223 LBS [102 Kg]
⑤ ANSI 300# 4"	35 [889]	$\phi$ 10 [254]	193 LBS [88 Kg]	243 LBS [110 Kg]
⑤ ANSI 600# 4"	36 11/16 [932]	$\phi$ 10 3/4 [273]	221 LBS [101 Kg]	270 LBS [123 Kg]



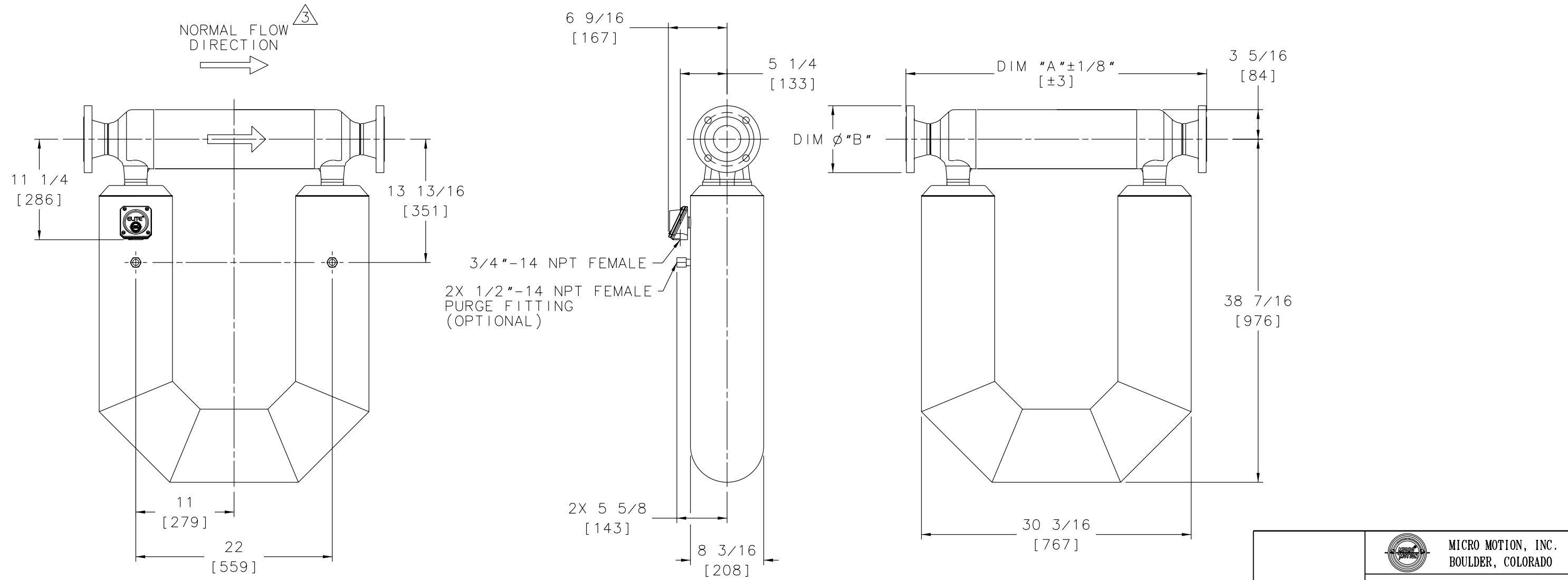
		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO			
		DIM DWG, CMF300M ANSI EXT JBOX			
THIRD ANGLE PROJECTION	NAME SES	DATE 7/26/01	SIZE D	DWG. NO. EP-3006130	REV. B
DRAWN SES	CHKD. JLA	DATE 12/5/01	SCALE 3:16	DO NOT SCALE DRAWING	SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 8 BOLT HOLES, NOT 4 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 3"	33 11/16 [856]	$\phi$ 7 1/2 [191]	168 LBS [76 Kg]	216 LBS [98 Kg]
⑤ ANSI 300# 3"	34 7/16 [875]	$\phi$ 8 1/4 [210]	175 LBS [80 Kg]	222 LBS [102 Kg]
⑤ ANSI 600# 3"	35 3/16 [894]	$\phi$ 8 1/4 [210]	182 LBS [83 Kg]	230 LBS [105 Kg]
⑤ ANSI 150# 4"	34 1/16 [865]	$\phi$ 9 [229]	173 LBS [79 Kg]	221 LBS [100 Kg]
⑤ ANSI 300# 4"	35 [889]	$\phi$ 10 [254]	192 LBS [88 Kg]	240 LBS [109 Kg]
⑤ ANSI 600# 4"	36 11/16 [932]	$\phi$ 10 3/4 [273]	220 LBS [100 Kg]	268 LBS [122 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF 300M ANSI JBOX	
THIRD ANGLE PROJECTION	NAME	DATE	REV.
DRAWN	SAD	3/17/01	SIZE DWG. NO.
CHKD.	JLA	4/1/01	D EP-3005909 C
APVD.	JLA	4/1/01	SCALE 3:16 DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 80MM	33 3/8 [848]	$\phi$ 7 5/16 [186]	163 LBS [74 Kg]	212 LBS [96 Kg]
JIS 10K 100MM	33 9/16 [853]	$\phi$ 8 1/4 [210]	167 LBS [76 Kg]	216 LBS [98 Kg]
JIS 20K 80MM	33 3/8 [848]	$\phi$ 7 7/8 [200]	167 LBS [76 Kg]	216 LBS [98 Kg]
JIS 20K 100MM	33 9/16 [853]	$\phi$ 8 7/8 [225]	175 LBS [80 Kg]	224 LBS [102 Kg]

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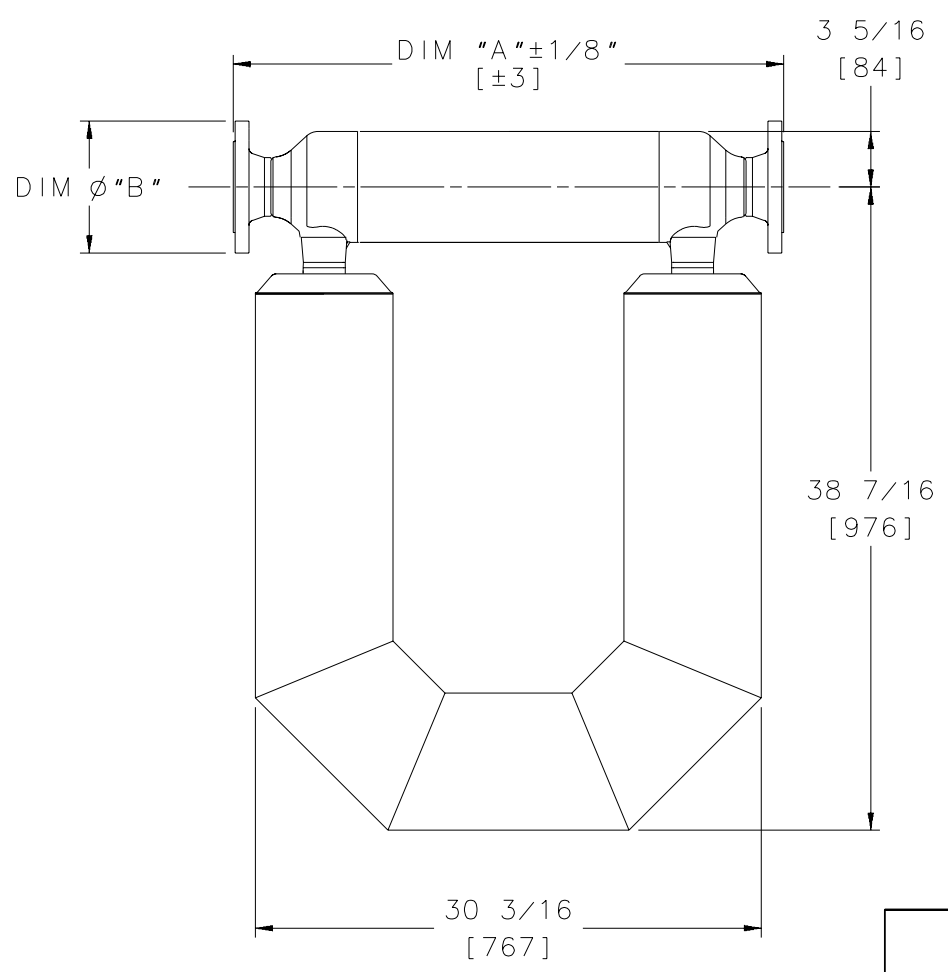
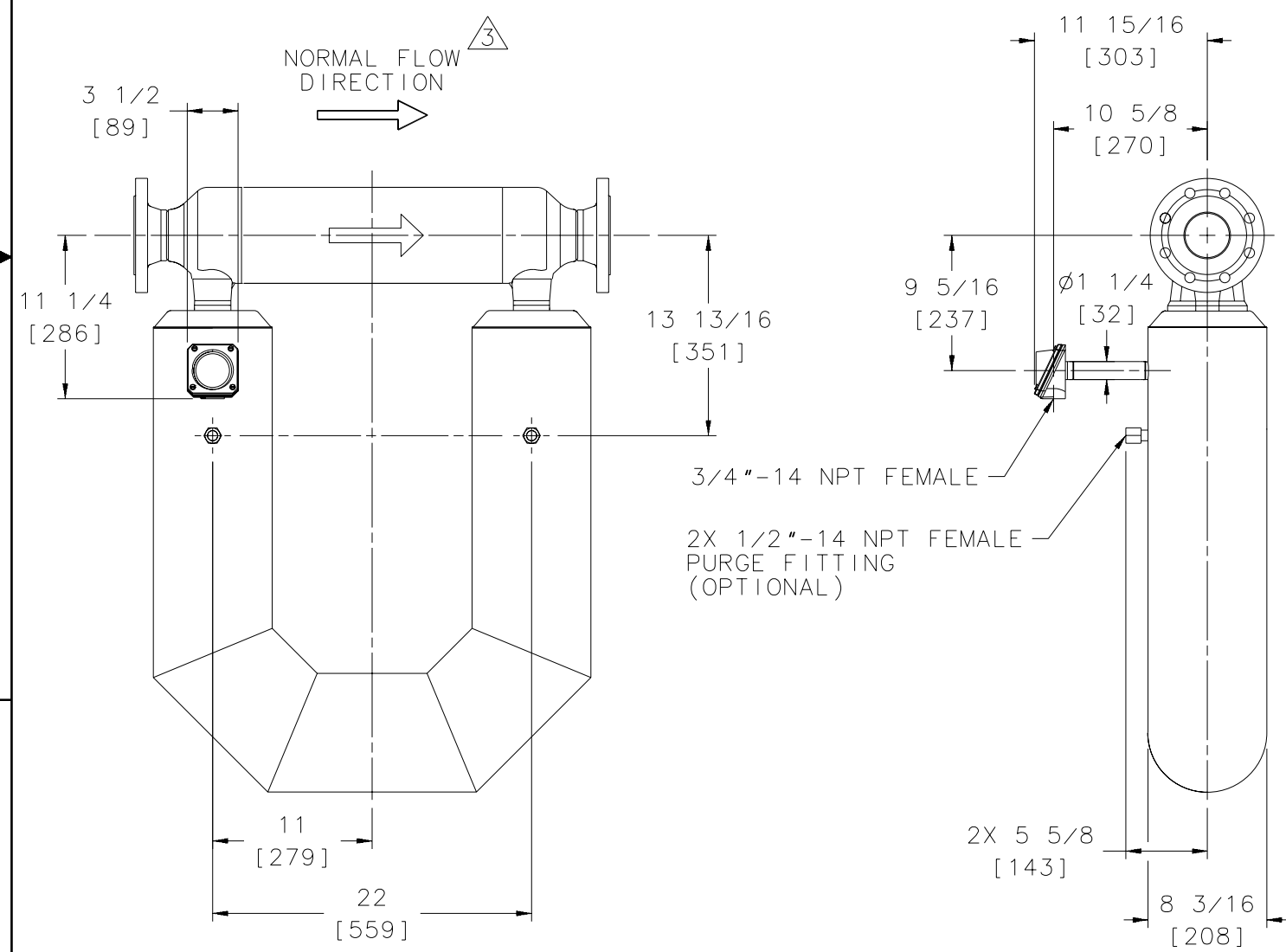
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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF300M JIS EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN SES	7/26/01	D	EP-3006134
CHKD. JLA	12/5/01	SCALE 3:16	DO NOT SCALE DRAWING
APVD. JLA	12/5/01	SHEET	1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINIUM PAINTED
- ③ THE ARROW ON THE MANIFOLD INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 80MM	33 3/8 [848]	$\phi$ 7 5/16 [186]	162 LBS [74 Kg]	210 LBS [95 Kg]
JIS 10K 100MM	33 9/16 [853]	$\phi$ 8 1/4 [210]	166 LBS [76 Kg]	214 LBS [97 Kg]
JIS 20K 80MM	33 3/8 [848]	$\phi$ 7 7/8 [200]	166 LBS [76 Kg]	214 LBS [97 Kg]
JIS 20K 100MM	33 9/16 [853]	$\phi$ 8 7/8 [225]	174 LBS [79 Kg]	222 LBS [101 Kg]

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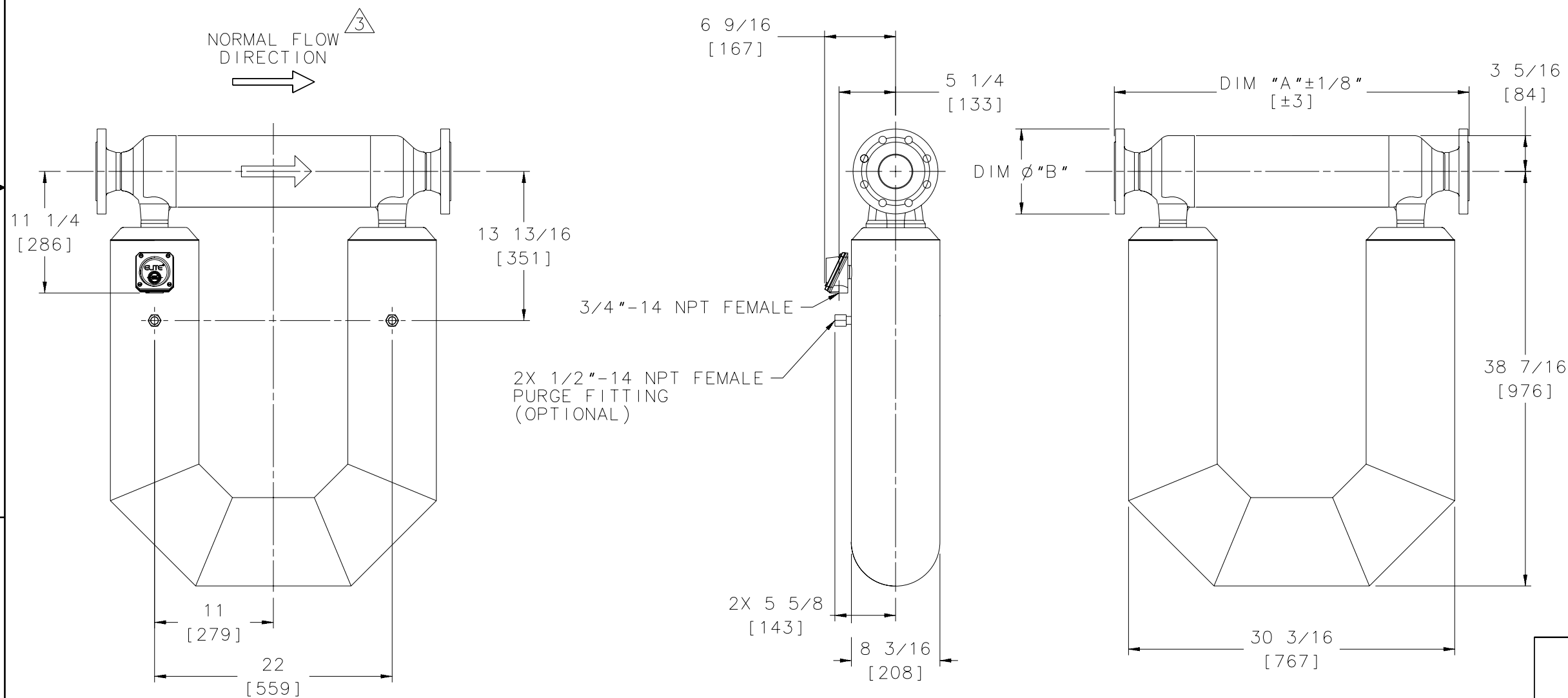
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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF300M JIS JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN: SAD	3/17/01	D	EP-3005913
CHKD: JLA	4/1/01	SCALE: 3:16	DO NOT SCALE DRAWING
APVD: JLA	4/1/01	SHEET	1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1 ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- 3 THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 5 THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- 6 HOUSING ALLOWS 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

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PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 4"	40 3/16 [1021]	$\phi$ 9 [229]	446 LBS [203 Kg]	724 LBS [329 Kg]
ANSI 150# 6"	40 5/16 [1024]	$\phi$ 11 [279]	460 LBS [209 Kg]	738 LBS [335 Kg]
ANSI 300# 4"	41 [1041]	$\phi$ 10 [254]	466 LBS [211 Kg]	744 LBS [338 Kg]
5 ANSI 300# 6"	41 5/16 [1049]	$\phi$ 12 1/2 [318]	499 LBS [227 Kg]	777 LBS [353 Kg]
ANSI 600# 4"	42 11/16 [1084]	$\phi$ 10 3/4 [273]	490 LBS [223 Kg]	768 LBS [349 Kg]
5 ANSI 600# 6"	43 1/2 [1105]	$\phi$ 14 [356]	564 LBS [256 Kg]	842 LBS [382 Kg]

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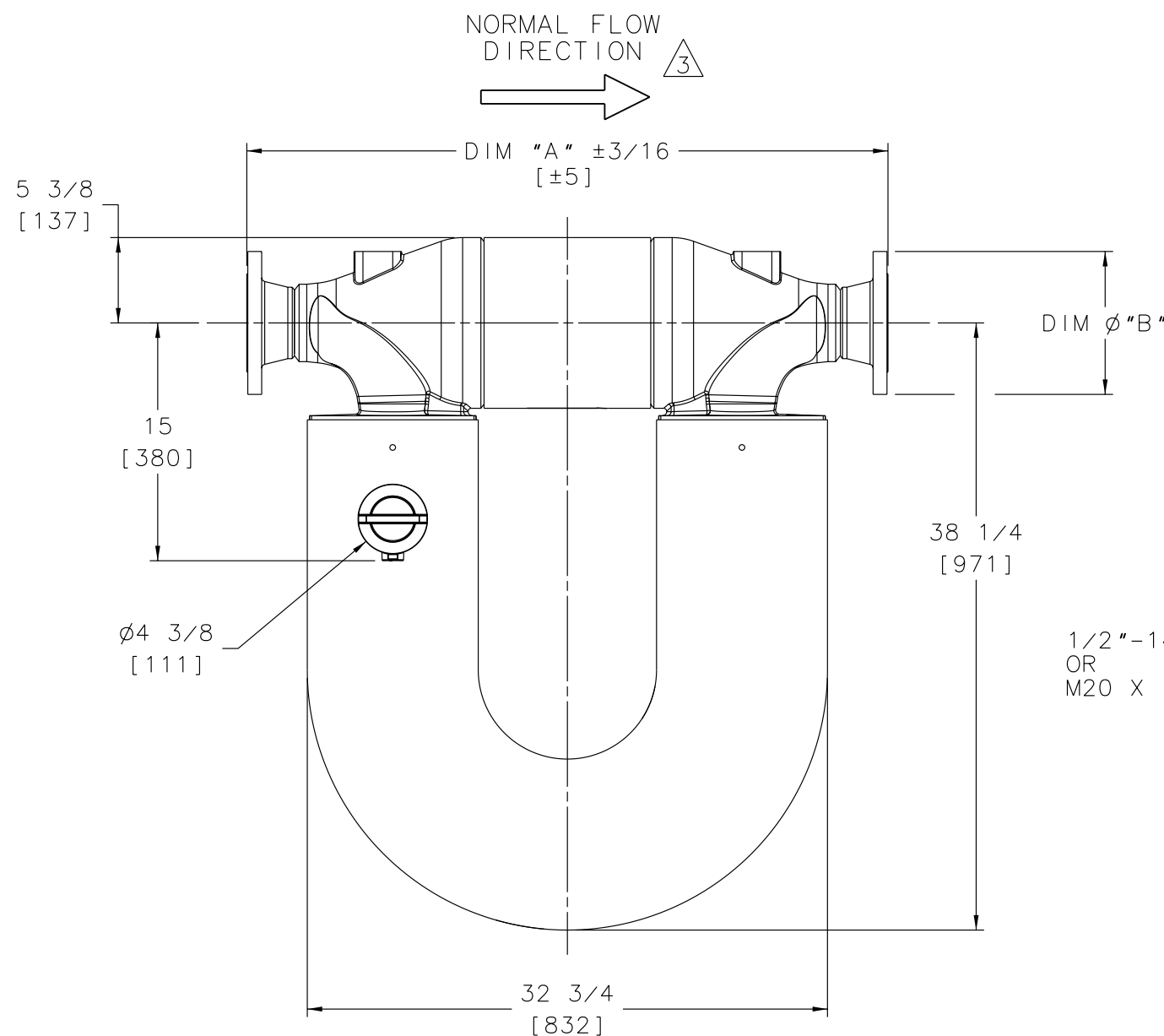
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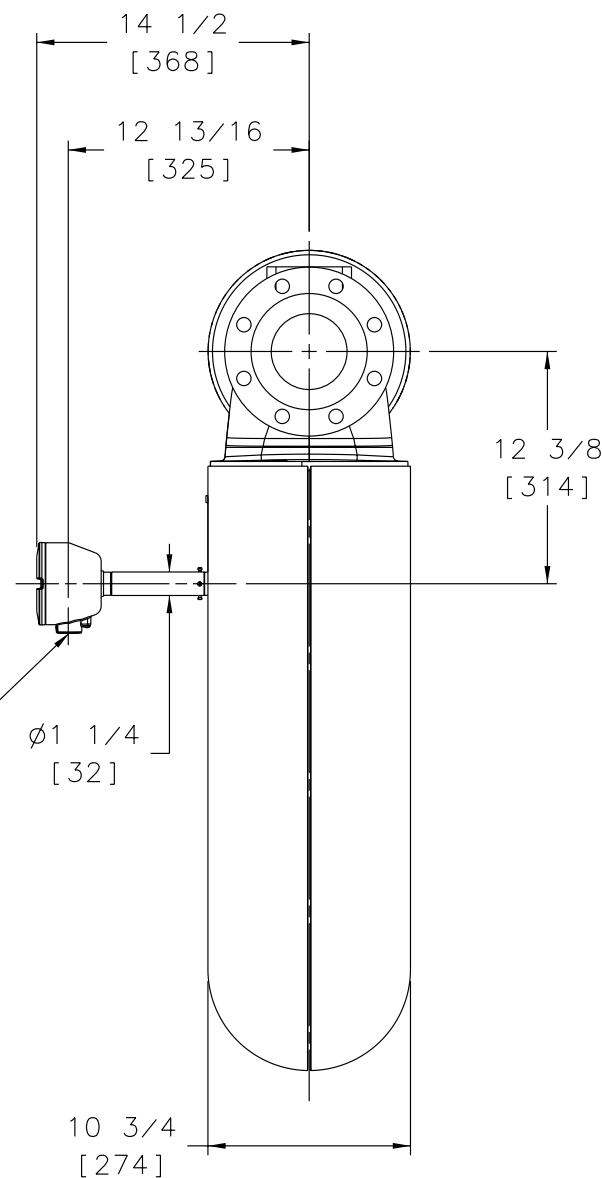
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1/2"-14 NPT FEMALE  
OR  
M20 X 1.5 FEMALE



		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF400M ANSI EXT CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	LLR	4/9/02	D	EP-3008017	B
CHKD.	JLA	7/10/02	SCALE 1:5	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	JLA	7/10/02			

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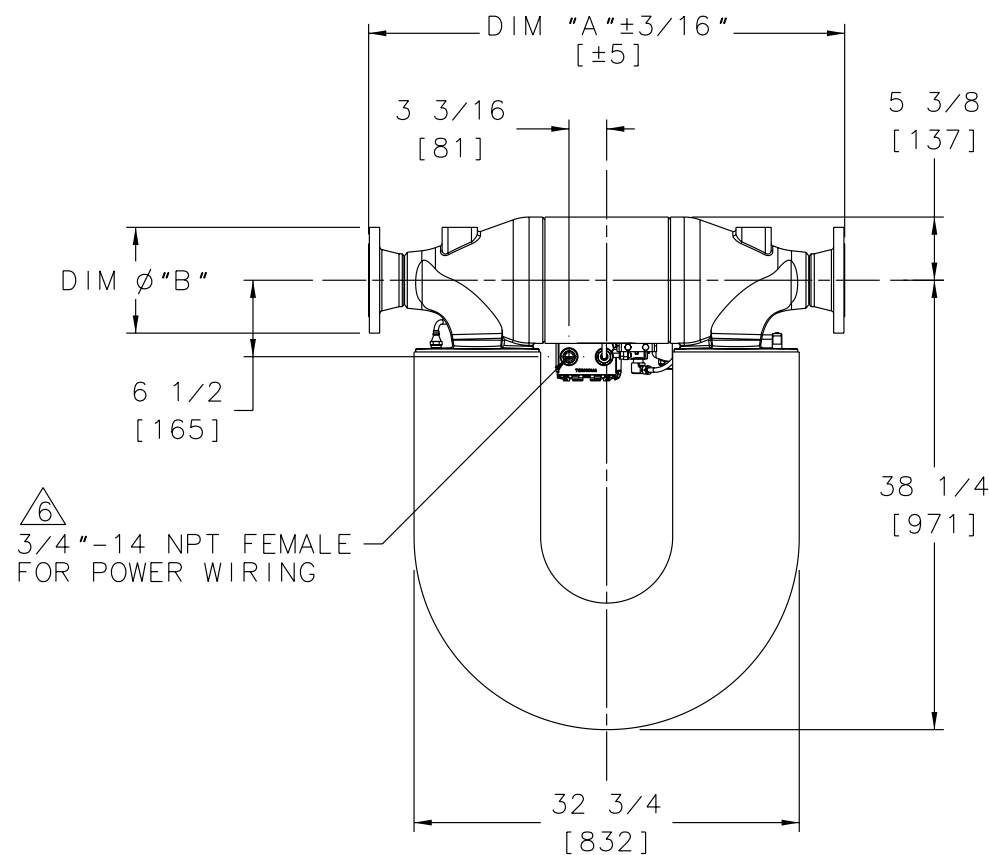
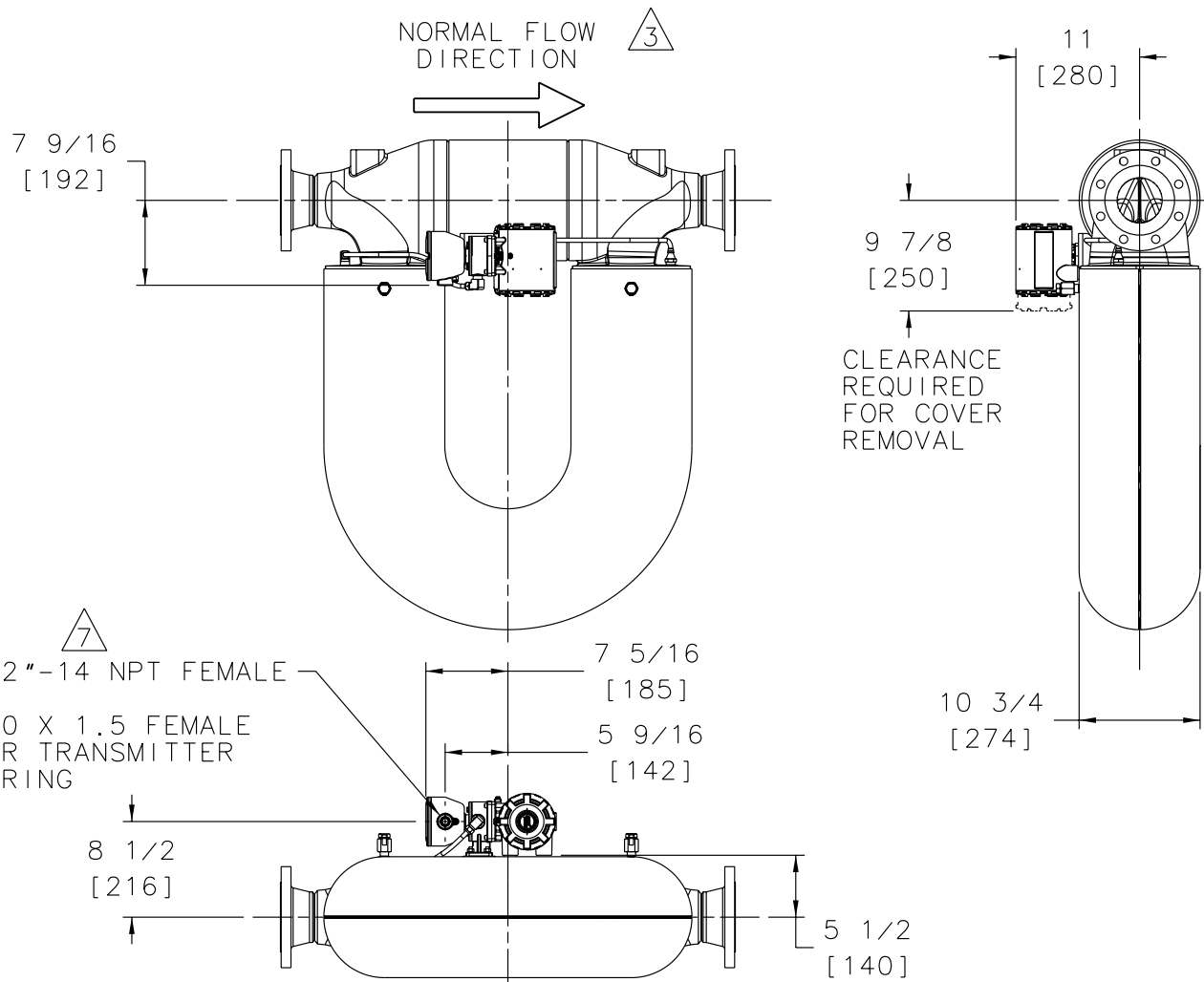
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL 316L / CF-3M
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ OPTIONAL ADAPTERS FOR CENELEC ONLY:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS
- ⑦ HOUSING ALLOWS 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 4"	40 3/16 [1021]	$\phi$ 9 [229]	454 LBS [206 Kg]	725 LBS [329 Kg]
ANSI 150# 6"	40 3/16 [1024]	$\phi$ 11 [279]	468 LBS [213 Kg]	739 LBS [336 Kg]
ANSI 300# 4"	41 [1041]	$\phi$ 10 [254]	474 LBS [215 Kg]	745 LBS [338 Kg]
⑤ ANSI 300# 6"	41 5/16 [1049]	$\phi$ 12 1/2 [318]	507 LBS [230 Kg]	778 LBS [353 Kg]
ANSI 600# 4"	42 11/16 [1084]	$\phi$ 10 3/4 [273]	498 LBS [226 Kg]	769 LBS [349 Kg]
⑤ ANSI 600# 6"	43 1/2 [1105]	$\phi$ 14 [356]	572 LBS [260 Kg]	843 LBS [383 Kg]



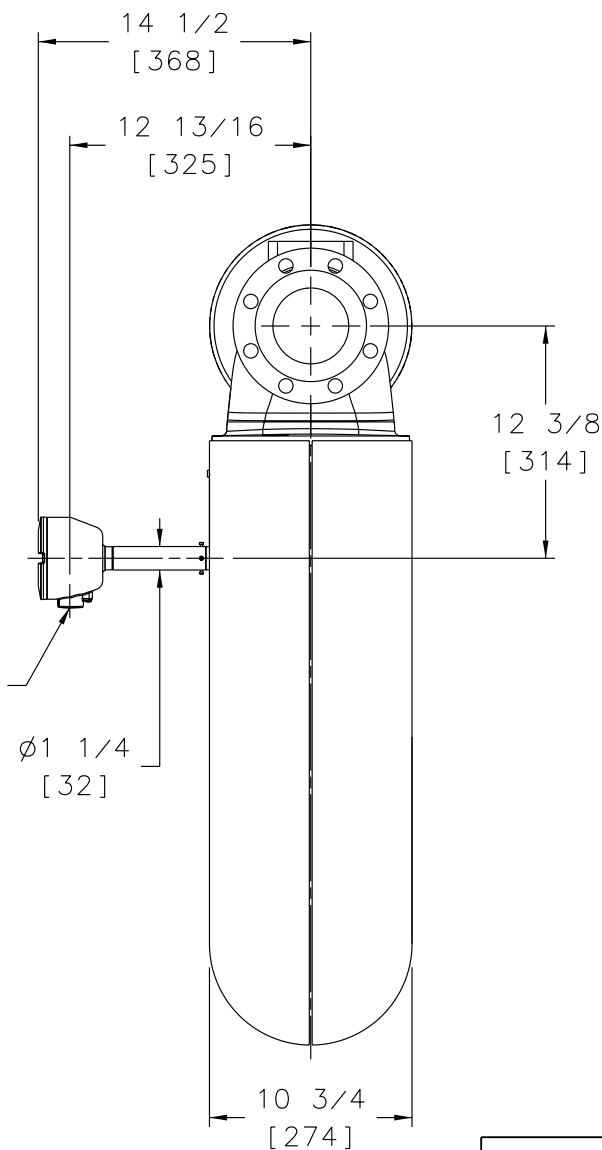
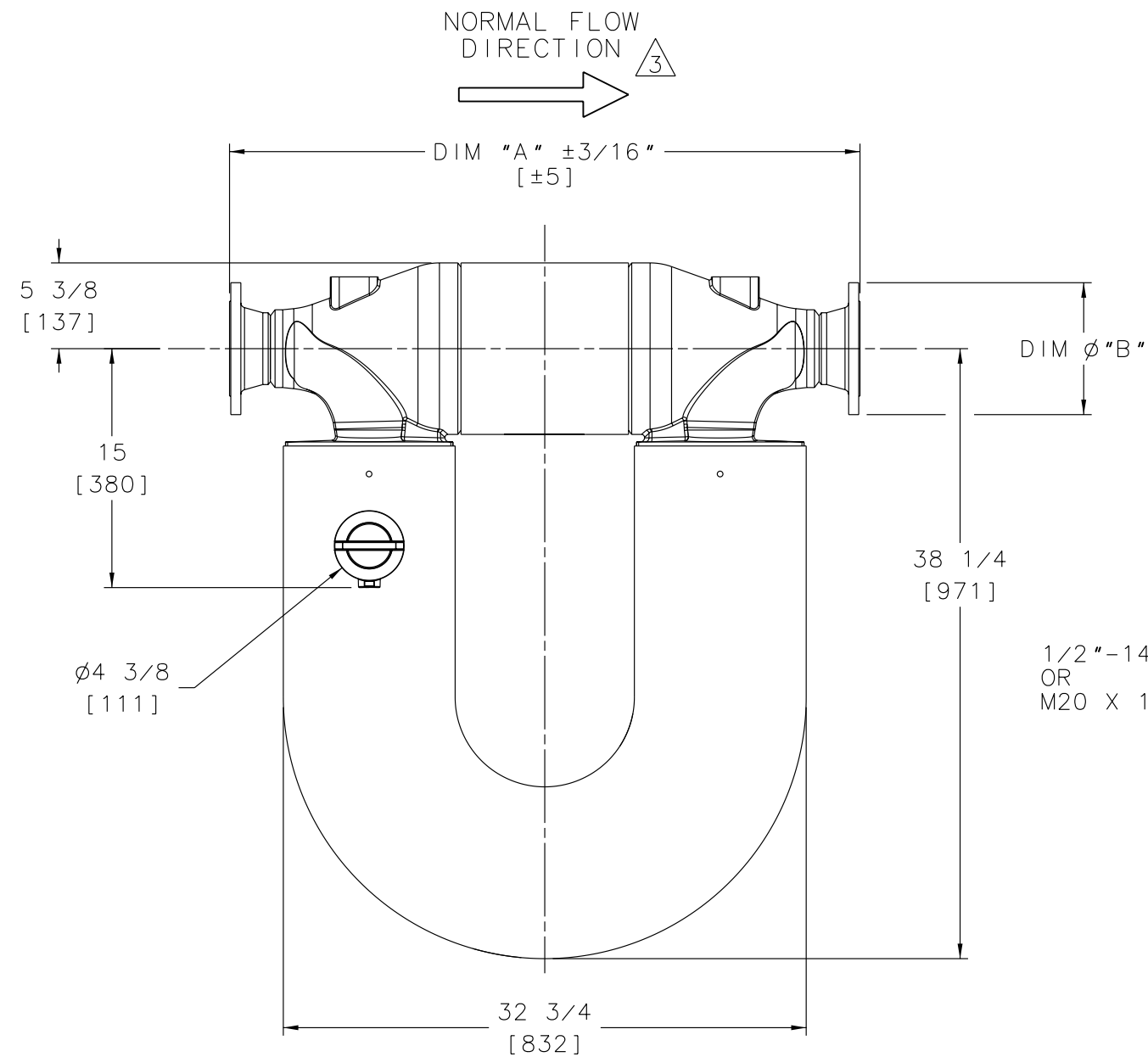
		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF400M ANSI CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN	GJK	10/27/00	D	EP-3005839	C
CHKD.	KLM	6/25/01	SCALE NONE	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD.	KLM	6/25/01			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL CF-3M
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ HOUSING ALLOWS 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 100 MM	39 5/16 [999]	$\phi$ 8 1/4 [210]	435 LBS [198 Kg]	713 LBS [324 Kg]
JIS 10K 150 MM	39 5/8 [1006]	$\phi$ 11 [280]	454 LBS [206 Kg]	732 LBS [332 Kg]
JIS 20K 100 MM	39 13/16 [1011]	$\phi$ 8 7/8 [225]	443 LBS [201 Kg]	721 LBS [327 Kg]
⑤ JIS 20K 150 MM	40 1/8 [1019]	$\phi$ 12 [305]	473 LBS [215 Kg]	751 LBS [341 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF400M JIS EXT CORE	
DRAWN LLR 4/12/02 CHKD. JLA 7/10/02 APVD. JLA 7/10/02	NAME DATE	SIZE D DWG. NO. EP-20000048 SCALE 1:5	REV. B SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: 316 STAINLESS STEEL. CHEMICAL PROPERTIES: 316L STAINLESS STEEL.
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: STAINLESS STEEL 316L / CF-3M
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ OPTIONAL ADAPTERS FOR CENELEC ONLY:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS
- ⑦ HOUSING ALLOWS 360° ROTATION FOR ORIENTATION OF WIRING ENTRANCE.



PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 100 MM	39 5/16 [999]	$\phi$ 8 1/4 [210]	443 LBS [201 Kg]	714 LBS [324 Kg]
JIS 10K 150 MM	39 5/8 [1006]	$\phi$ 11 [280]	462 LBS [210 Kg]	733 LBS [333 Kg]
JIS 20K 100 MM	39 13/16 [1011]	$\phi$ 8 7/8 [225]	451 LBS [205 Kg]	722 LBS [328 Kg]
⑤ JIS 20K 150 MM	40 1/8 [1019]	$\phi$ 12 [305]	481 LBS [219 Kg]	752 LBS [341 Kg]

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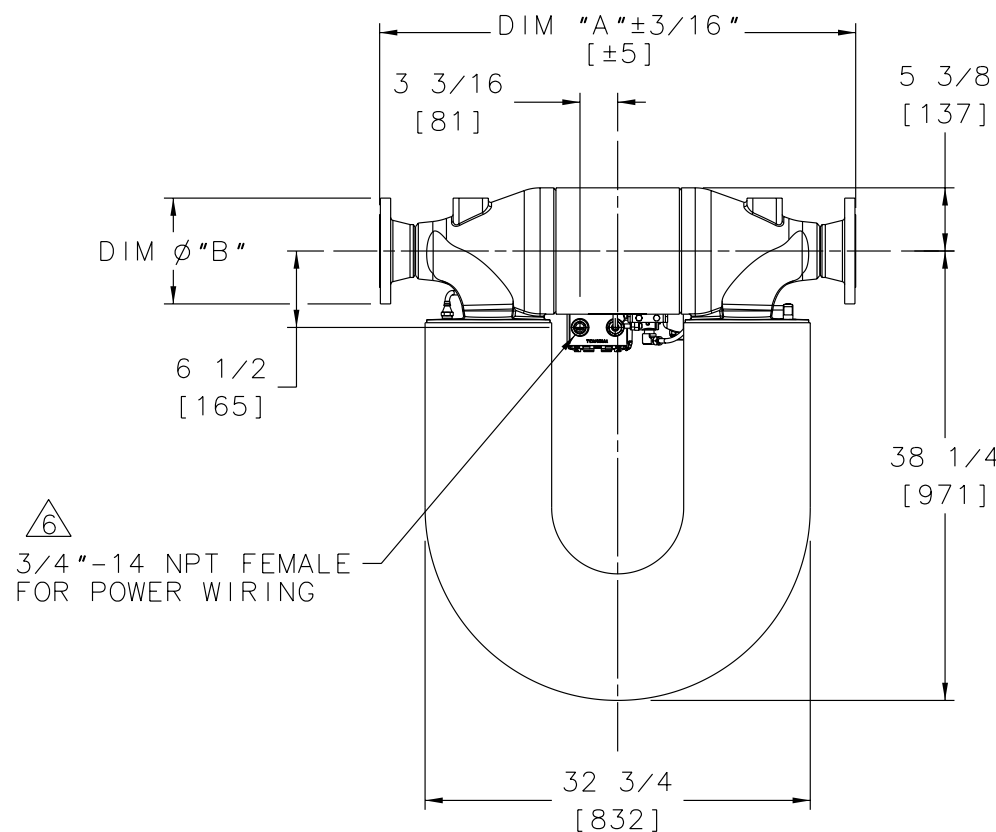
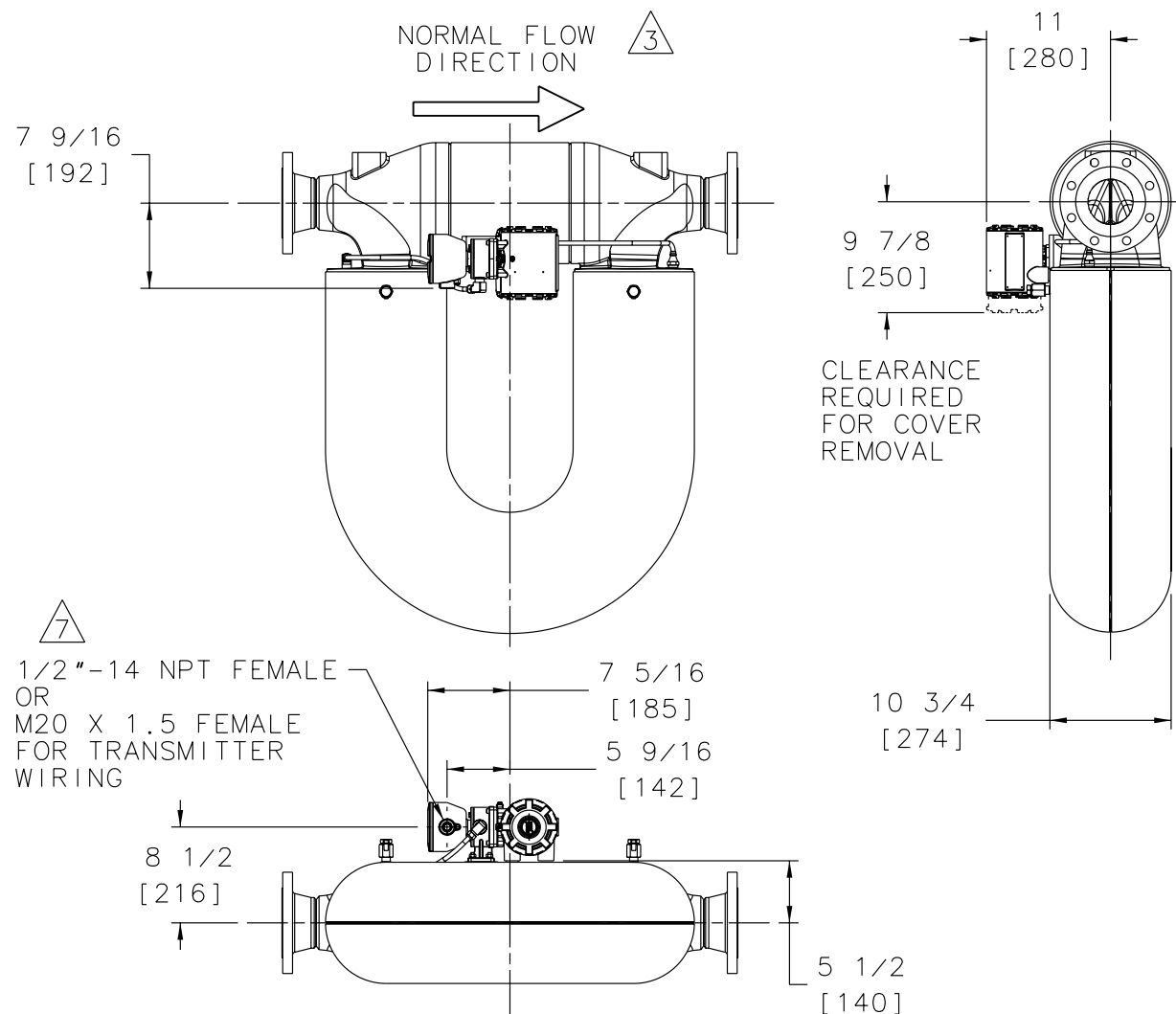
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⑥ 3/4"-14 NPT FEMALE FOR POWER WIRING

CLEARANCE REQUIRED FOR COVER REMOVAL

⑦ 1/2"-14 NPT FEMALE OR M20 X 1.5 FEMALE FOR TRANSMITTER WIRING

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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF400M JIS CORE	
NAME	DATE	SIZE	DWG. NO.
DRAWN GJK	10/27/00	D	EP-3005841
CHKD. KLM	6/25/01	SCALE NONE	DO NOT SCALE DRAWING
APVD. KLM	6/25/01	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- 3. THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 6. THIS FLANGE SIZE HAS 12 BOLT HOLES,  
NOT 8 AS SHOWN.

1	PROCESS CONNECTION	DIM "A"	DIM ø"B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 4"	40 3/16 [1021]	9 [229]	443 LBS [201 Kg]	721 LBS [327 Kg]
	ANSI CL 150 6"	40 5/16 [1024]	11 [279]	457 LBS [208 Kg]	735 LBS [334 Kg]
	ANSI CL 300 4"	41 [1041]	10 [254]	463 LBS [210 Kg]	741 LBS [336 Kg]
6	ANSI CL 300 6"	41 5/16 [1049]	12 1/2 [318]	496 LBS [225 Kg]	774 LBS [352 Kg]
	ANSI CL 600 4"	42 11/16 [1084]	10 3/4 [273]	487 LBS [221 Kg]	765 LBS [347 Kg]
6	ANSI CL 600 6"	43 1/2 [1105]	14 [356]	561 LBS [255 Kg]	839 LBS [381 Kg]

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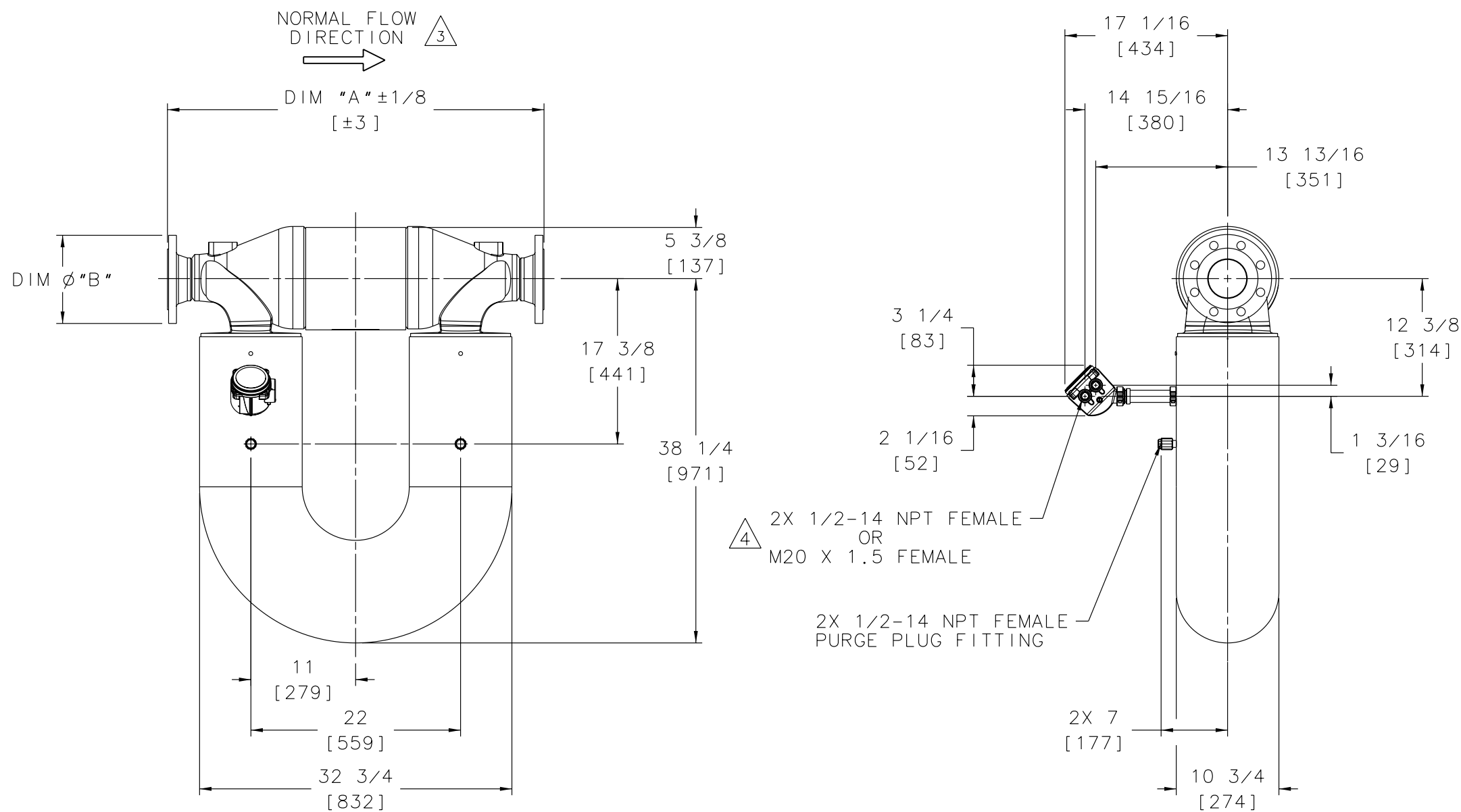
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		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF 400M ANSI EXT ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/27/05	D	20004647	A
	CHKD.	RBG	8/8/06		
	APVD.	RBG	8/8/06	SCALE N/A	DO NOT SCALE DRAWING SHEET 1 OF 1

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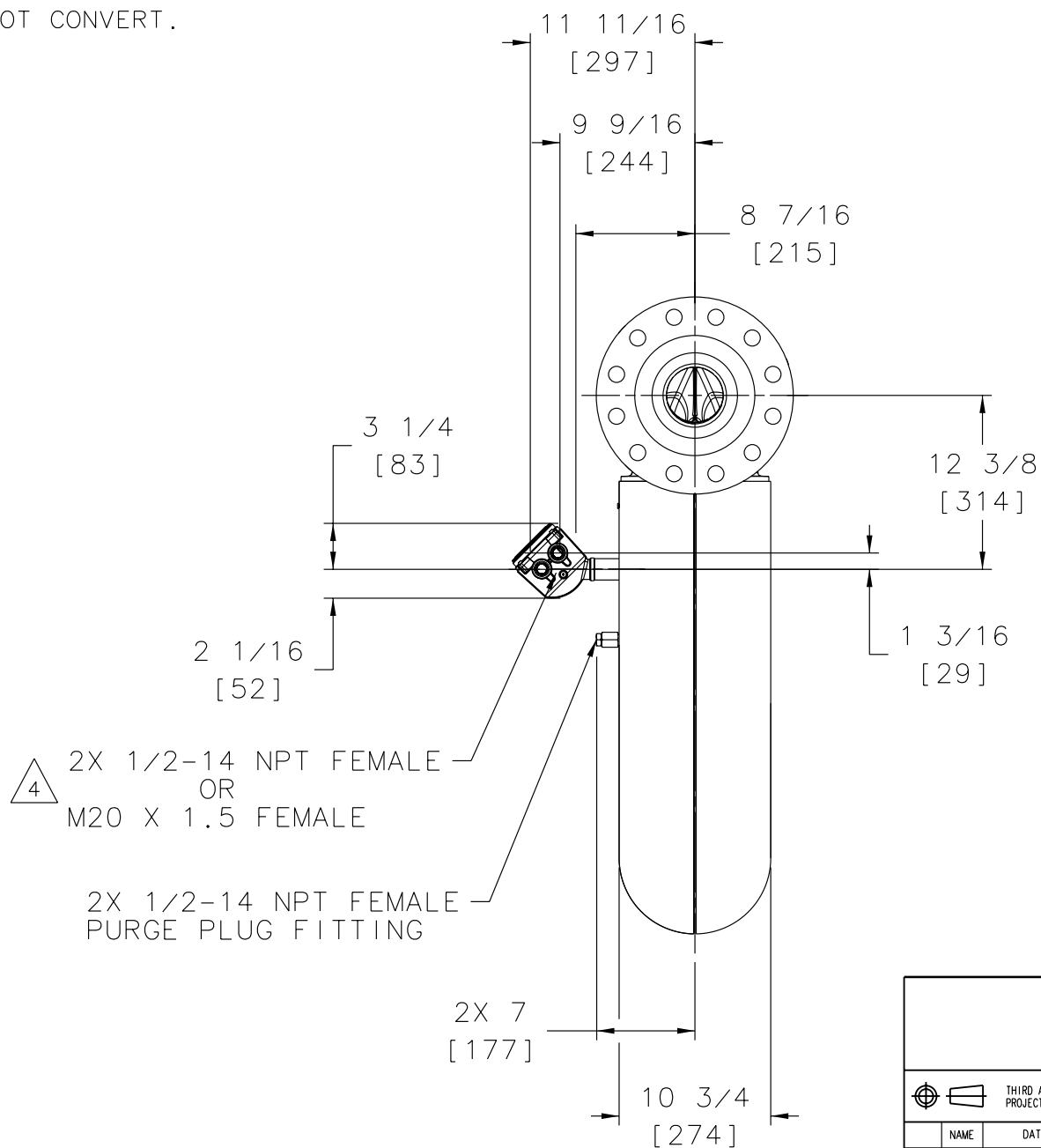
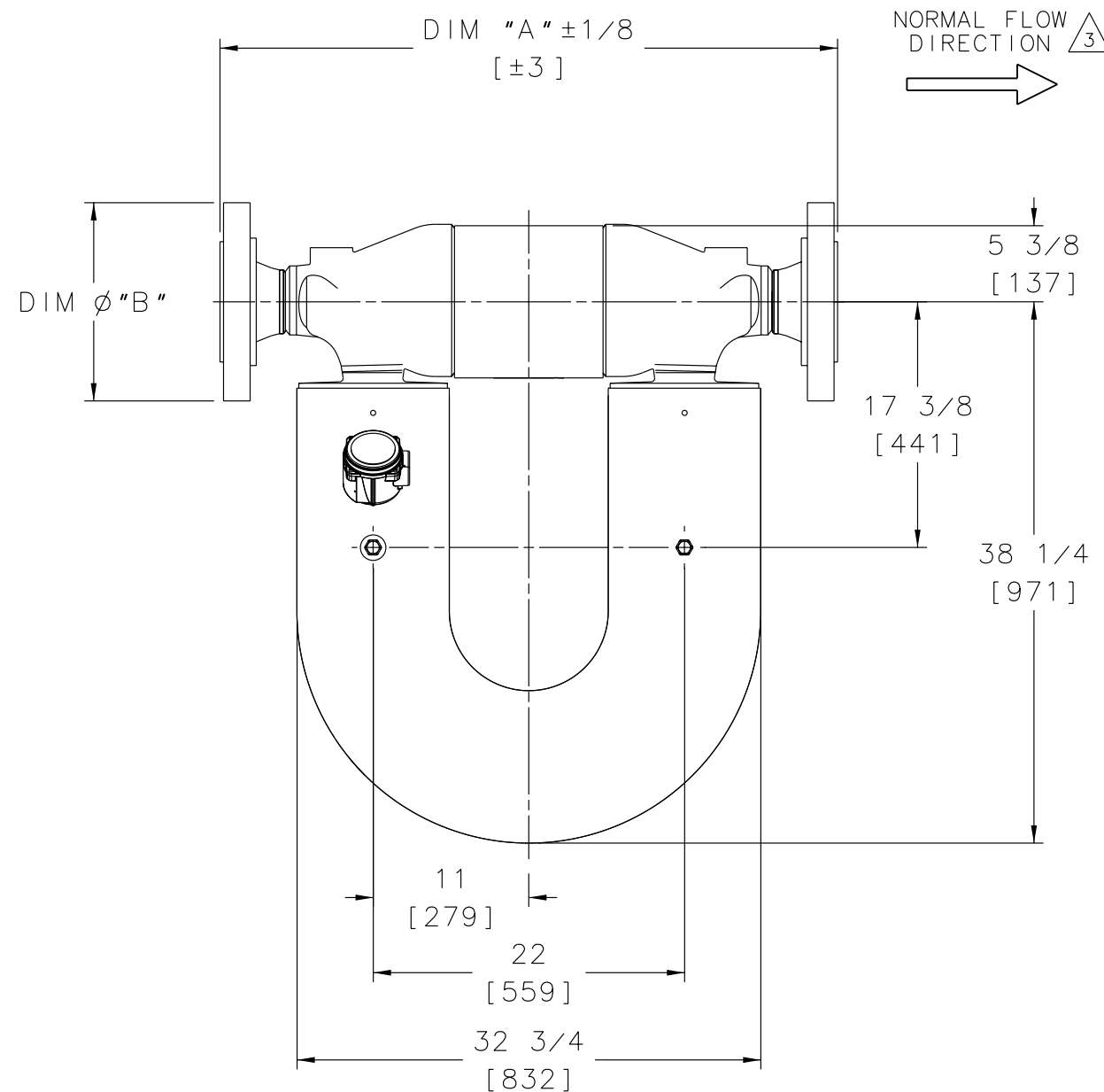
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304I  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- 3. THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 6. THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.

1	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI CL 150 4"	40 3/16 [1021]	9 [229]	442 LBS [201 Kg]	713 LBS [324 Kg]
	ANSI CL 150 6"	40 5/16 [1024]	11 [279]	456 LBS [207 Kg]	727 LBS [330 Kg]
	ANSI CL 300 4"	41 [1041]	10 [254]	462 LBS [210 Kg]	733 LBS [333 Kg]
6	ANSI CL 300 6"	41 5/16 [1049]	12 1/2 [318]	495 LBS [225 Kg]	766 LBS [348 Kg]
	ANSI CL 600 4"	42 11/16 [1084]	10 3/4 [273]	486 LBS [221 Kg]	757 LBS [344 Kg]
6	ANSI CL 600 6"	43 1/2 [1105]	14 [356]	560 LBS [254 Kg]	831 LBS [377 Kg]



		MICRO MOTION, INC. BOULDER, COLORADO			
		DIM DWG, CMF400M ANSI ENHANCED CORE			
THIRD ANGLE PROJECTION	NAME	DATE	SIZE	DWG. NO.	REV.
	RDR	9/26/05	D	20004644	A
	CHKD.	RBG	8/8/06		
	APVD.	RBG	8/8/06	SCALE N/A	DO NOT SCALE DRAWING SHEET 1 OF 1

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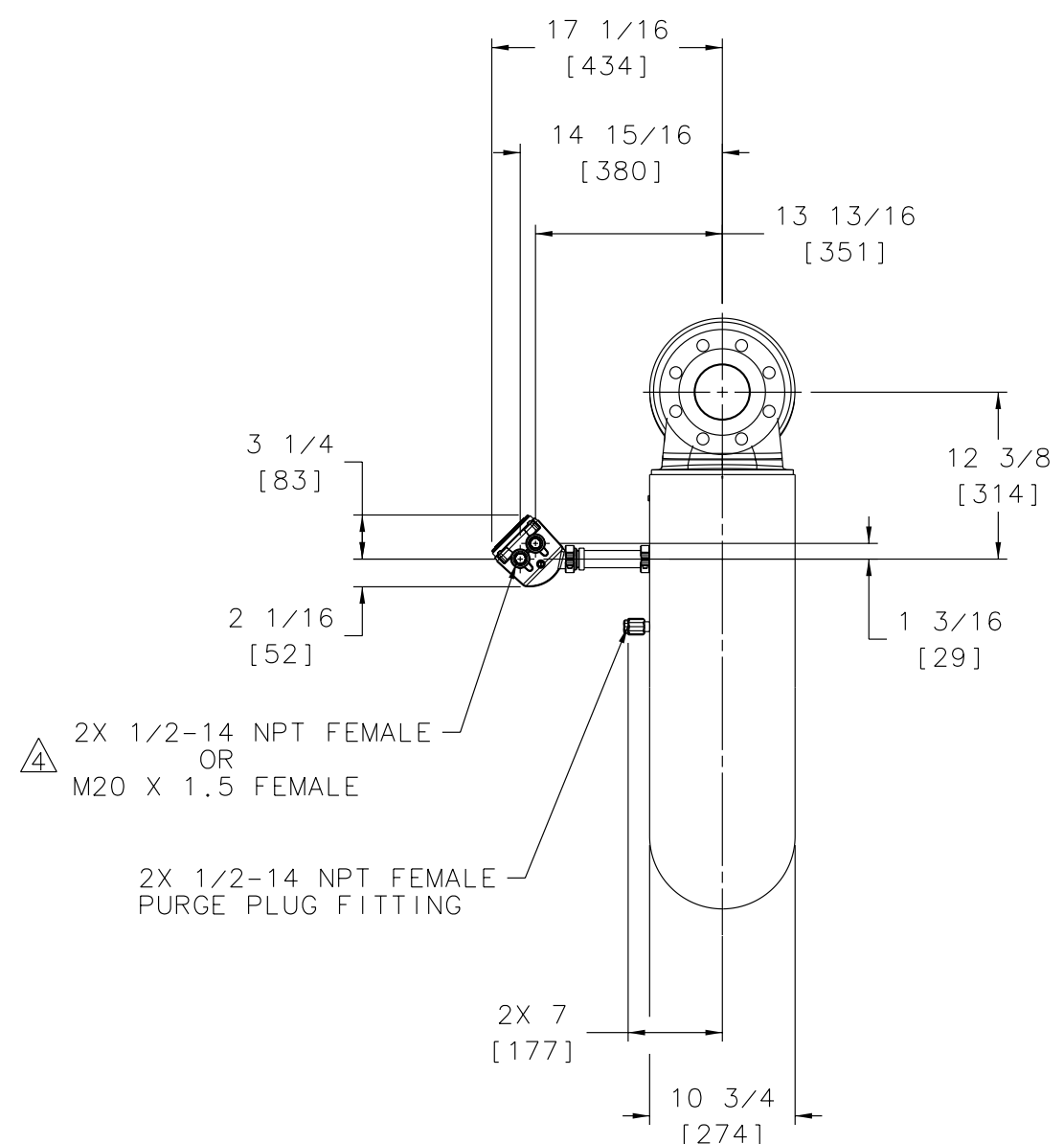
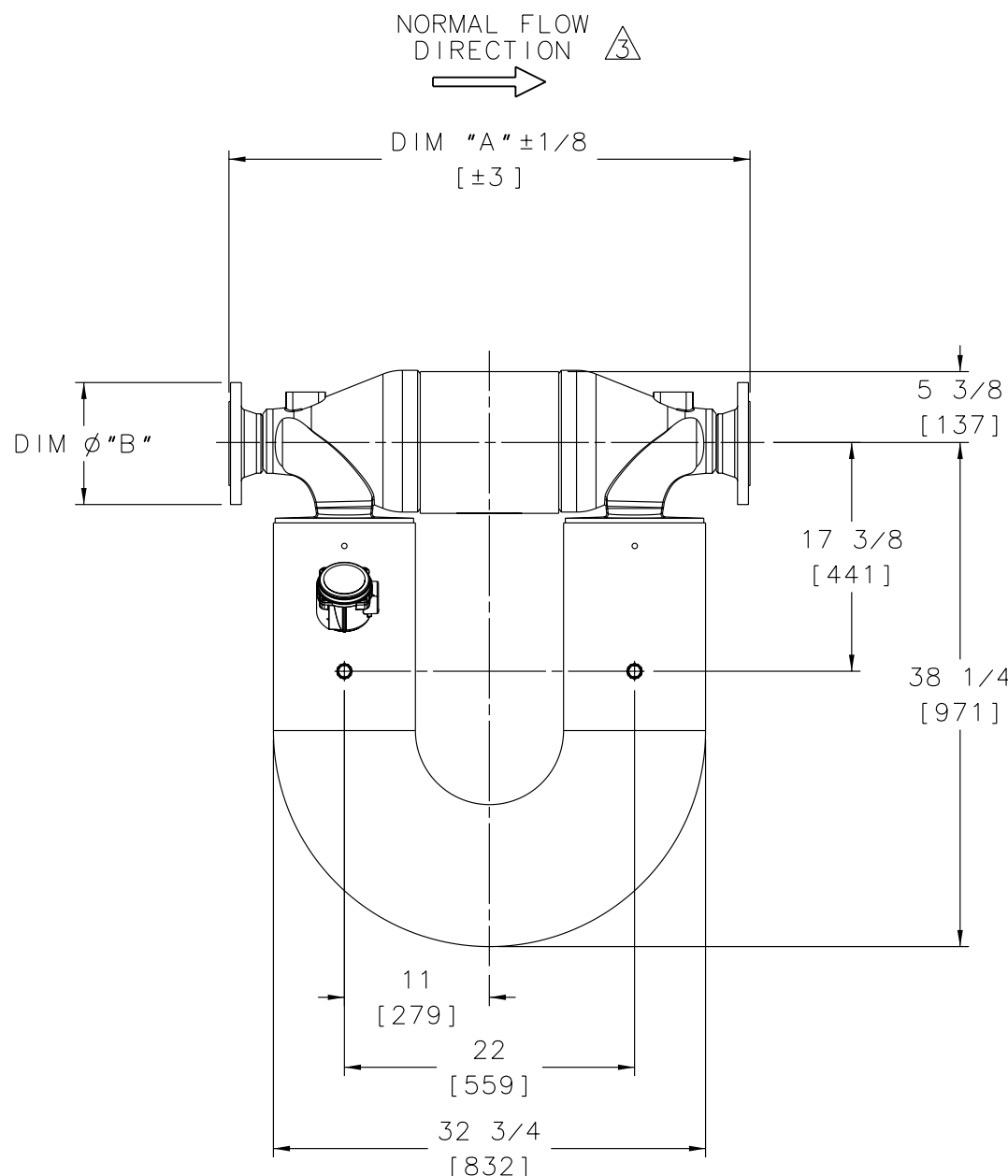
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- 3. THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 6. THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 100 MM	39 5/16 [999]	8 1/4 [210]	432 LBS [196 Kg]	710 LBS [322 Kg]
JIS 10K 150 MM	39 5/8 [1006]	11 [280]	451 LBS [205 Kg]	729 LBS [331 Kg]
JIS 20K 100 MM	39 13/16 [1011]	8 7/8 [225]	440 LBS [200 Kg]	718 LBS [326 Kg]
6 JIS 20K 150 MM	40 1/8 [1019]	12 [305]	470 LBS [214 Kg]	748 LBS [340 Kg]



 THIRD ANGLE PROJECTION		 MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF400M JIS EXT ENHANCED CORE	
DRAWN: RDR CHKD: RBG APVD: RBG	NAME: RDR DATE: 9/27/05 DATE: 8/8/06 DATE: 8/8/06	SIZE: D DWG. NO.: 20004649 SCALE: N/A	REV. A DO NOT SCALE DRAWING SHEET 1 OF 1

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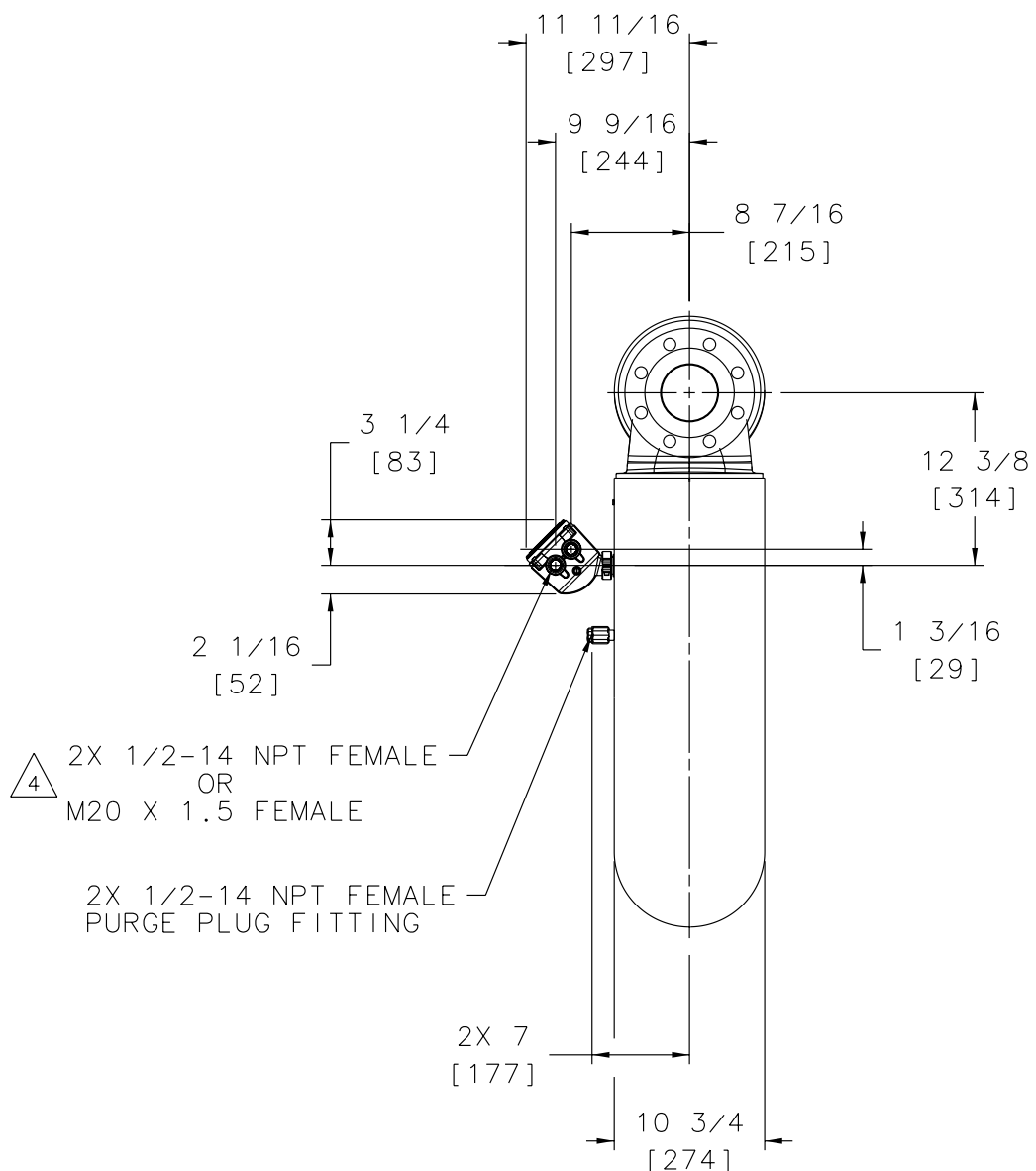
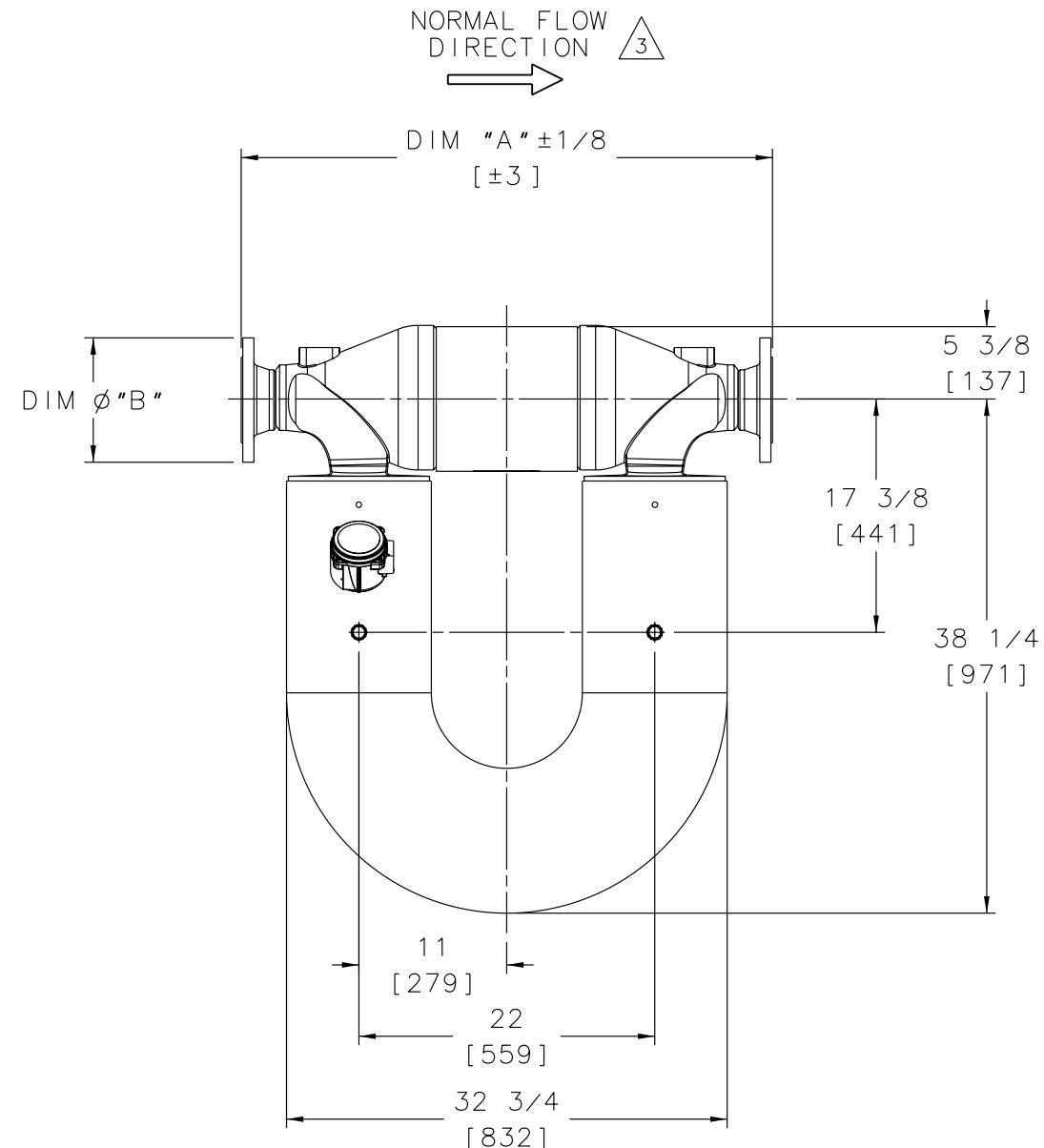
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: F316 STAINLESS STEEL  
CHEMICAL PROPERTIES: F316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304/304L  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- 3. THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. HOUSING ALLOWS FOR 360° ROTATION IN 45° INCREMENTS FOR ORIENTATION OF WIRING ENTRANCE.
- 5. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 6. THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 100 MM	39 5/16 [999]	8 1/4 [210]	431 LBS [196 Kg]	702 LBS [319 Kg]
JIS 10K 150 MM	39 5/8 [1006]	11 [280]	450 LBS [204 Kg]	721 LBS [327 Kg]
JIS 20K 100 MM	39 13/16 [1011]	8 7/8 [225]	439 LBS [199 Kg]	710 LBS [322 Kg]
6 JIS 20K 150 MM	40 1/8 [1019]	12 [305]	469 LBS [213 Kg]	740 LBS [336 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF400M JIS ENHANCED CORE	
DRAWN: RDR CHKD: RBG APVD: RBG	NAME: RDR DATE: 9/27/05 DATE: 8/8/06 DATE: 8/8/06	SIZE: D DWG. NO.: 20004646 SCALE: N/A	REV. A DO NOT SCALE DRAWING SHEET 1 OF 1



GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 4"	40 3/16 [1021]	$\phi$ 9 [229]	442 LBS [201 Kg]	720 LBS [327 Kg]
ANSI 150# 6"	40 5/16 [1024]	$\phi$ 11 [279]	456 LBS [207 Kg]	734 LBS [333 Kg]
ANSI 300# 4"	41 [1041]	$\phi$ 10 [254]	462 LBS [210 Kg]	740 LBS [336 Kg]
⑤ ANSI 300# 6"	41 5/16 [1049]	$\phi$ 12 1/2 [318]	495 LBS [225 Kg]	773 LBS [351 Kg]
ANSI 600# 4"	42 11/16 [1084]	$\phi$ 10 3/4 [273]	486 LBS [221 Kg]	764 LBS [347 Kg]
⑤ ANSI 600# 6"	43 1/2 [1105]	$\phi$ 14 [356]	560 LBS [254 Kg]	838 LBS [380 Kg]

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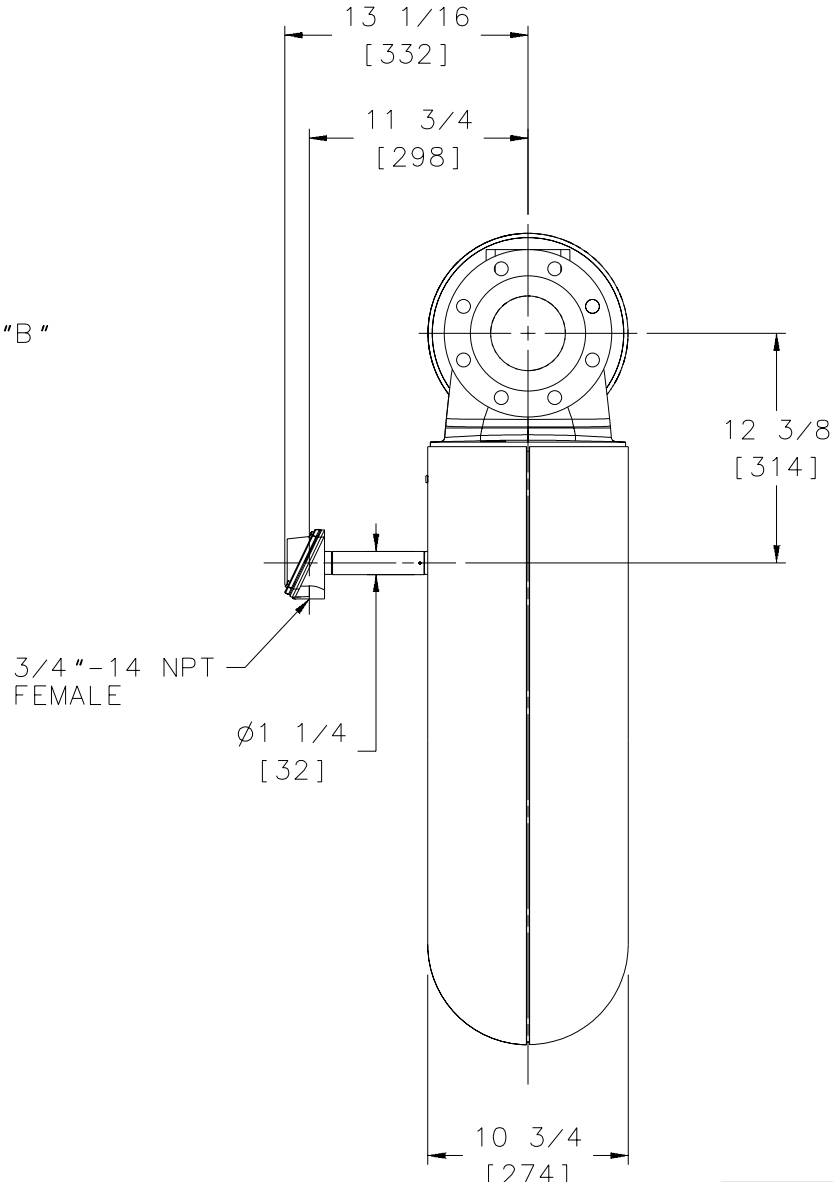
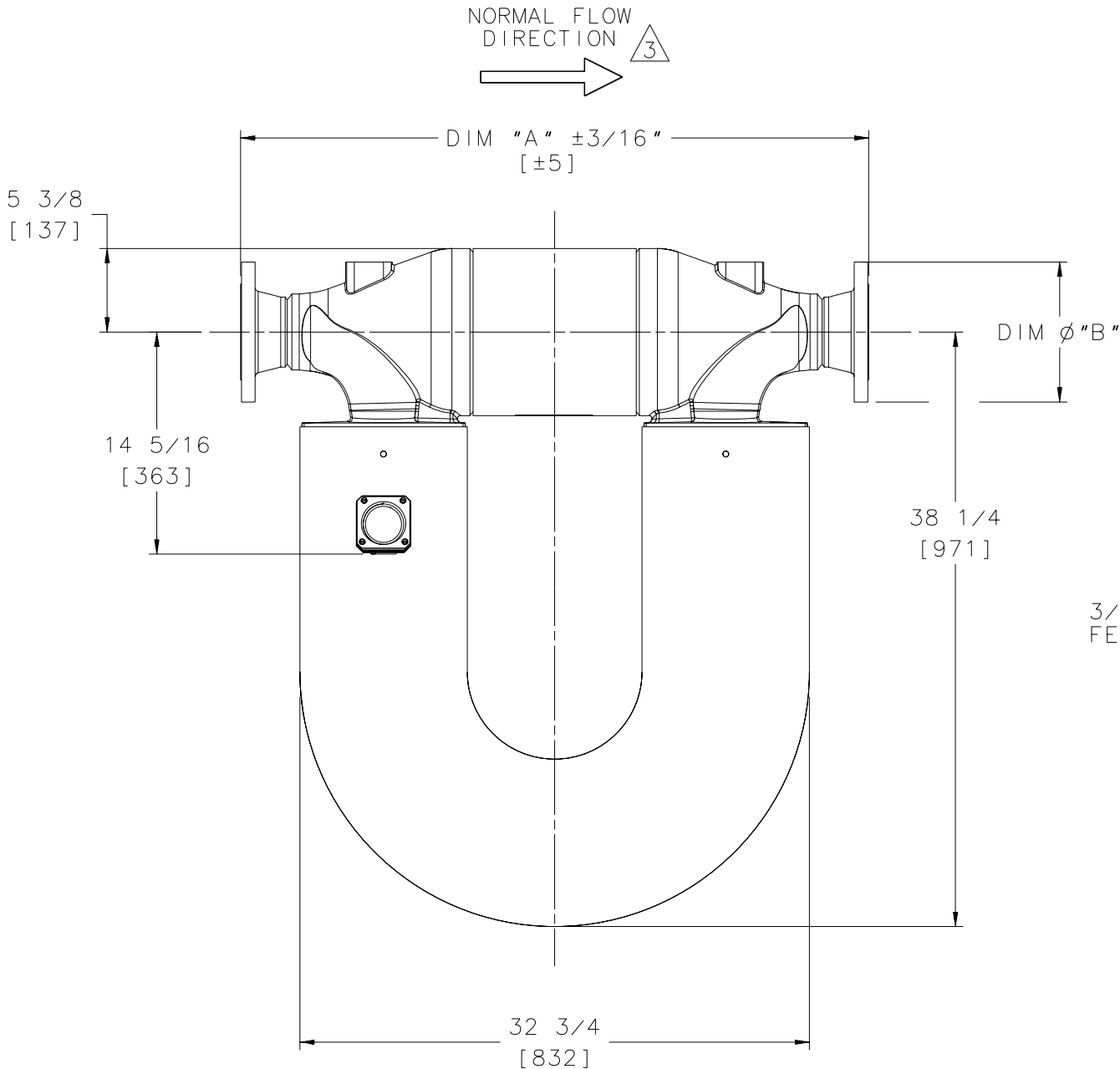
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		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO		
		DIM DWG, CMF400M ANSI EXT JBOX		
NAME	DATE	SIZE	DWG. NO.	REV.
DRAWN: LLR	4/9/02	D	EP-3008019	A
CHKD: JLA	7/10/02	SCALE 1:5	DO NOT SCALE DRAWING	SHEET 1 OF 1
APVD: JLA	7/10/02			

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ OPTIONAL ADAPTERS FOR CENELEC ONLY:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS

①

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
ANSI 150# 4"	40 3/16 [1021]	$\phi$ 9 [229]	450 LBS [204 Kg]	721 LBS [327 Kg]
ANSI 150# 6"	40 5/16 [1024]	$\phi$ 11 [279]	464 LBS [211 Kg]	735 LBS [334 Kg]
ANSI 300# 4"	41 [1041]	$\phi$ 10 [254]	470 LBS [213 Kg]	741 LBS [336 Kg]
⑤ ANSI 300# 6"	41 5/16 [1049]	$\phi$ 12 1/2 [318]	503 LBS [229 Kg]	774 LBS [352 Kg]
ANSI 600# 4"	42 11/16 [1084]	$\phi$ 10 3/4 [273]	494 LBS [225 Kg]	765 LBS [347 Kg]
⑤ ANSI 600# 6"	43 1/2 [1105]	$\phi$ 14 [356]	568 LBS [258 Kg]	839 LBS [381 Kg]

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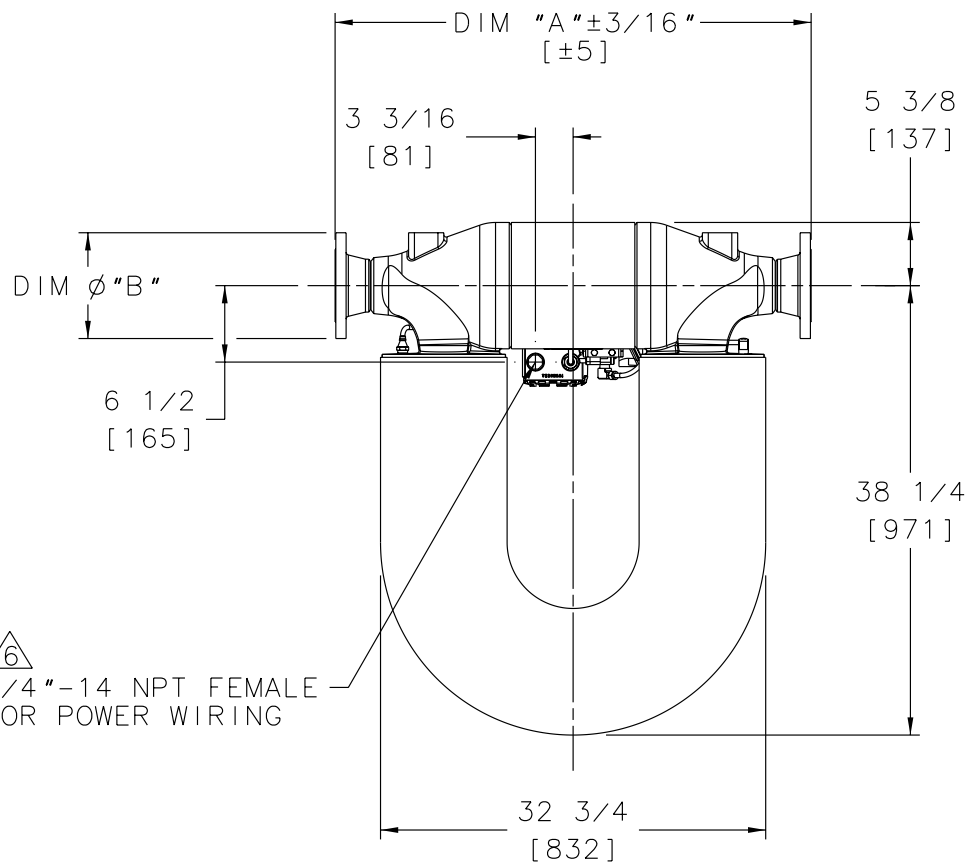
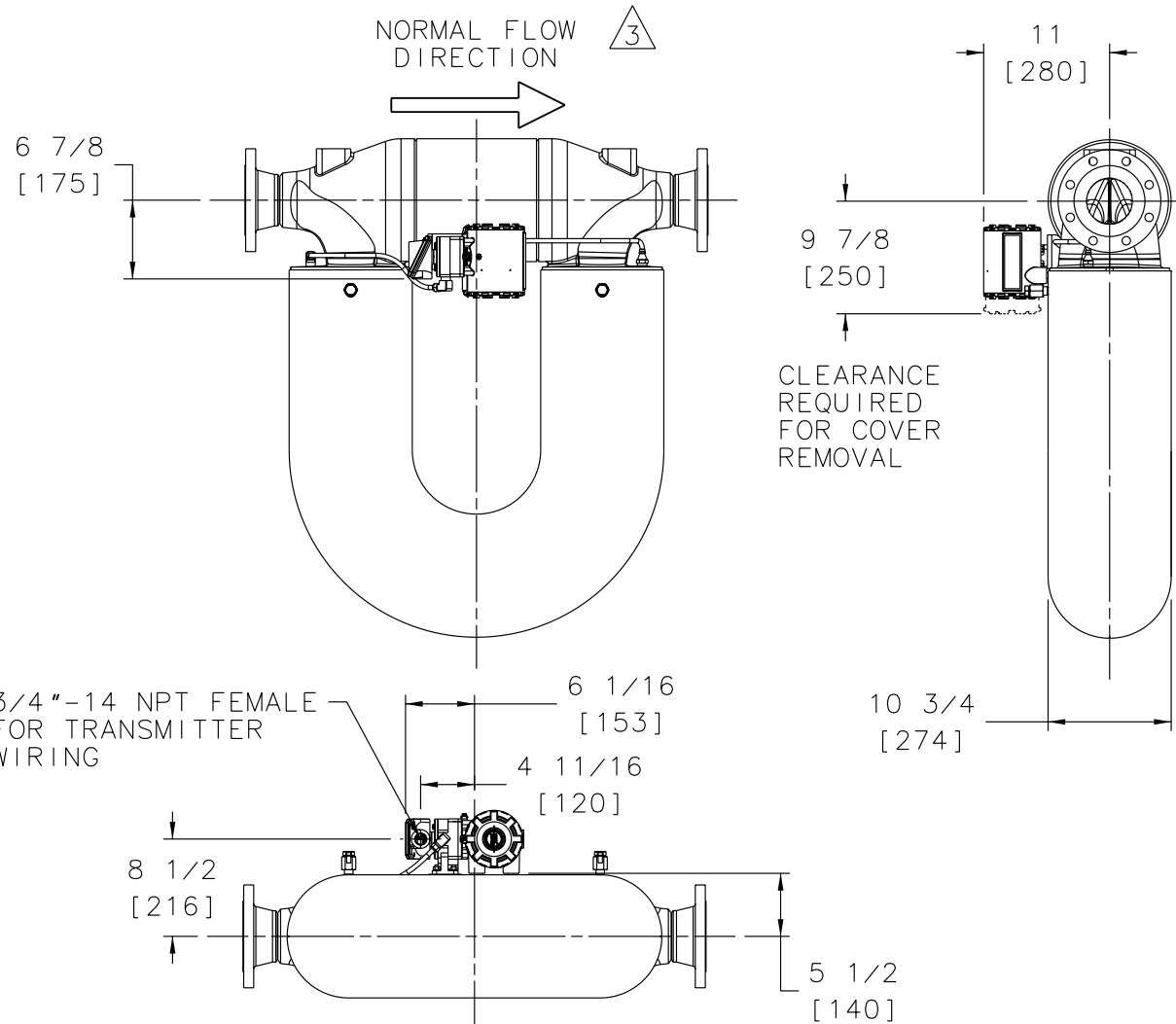
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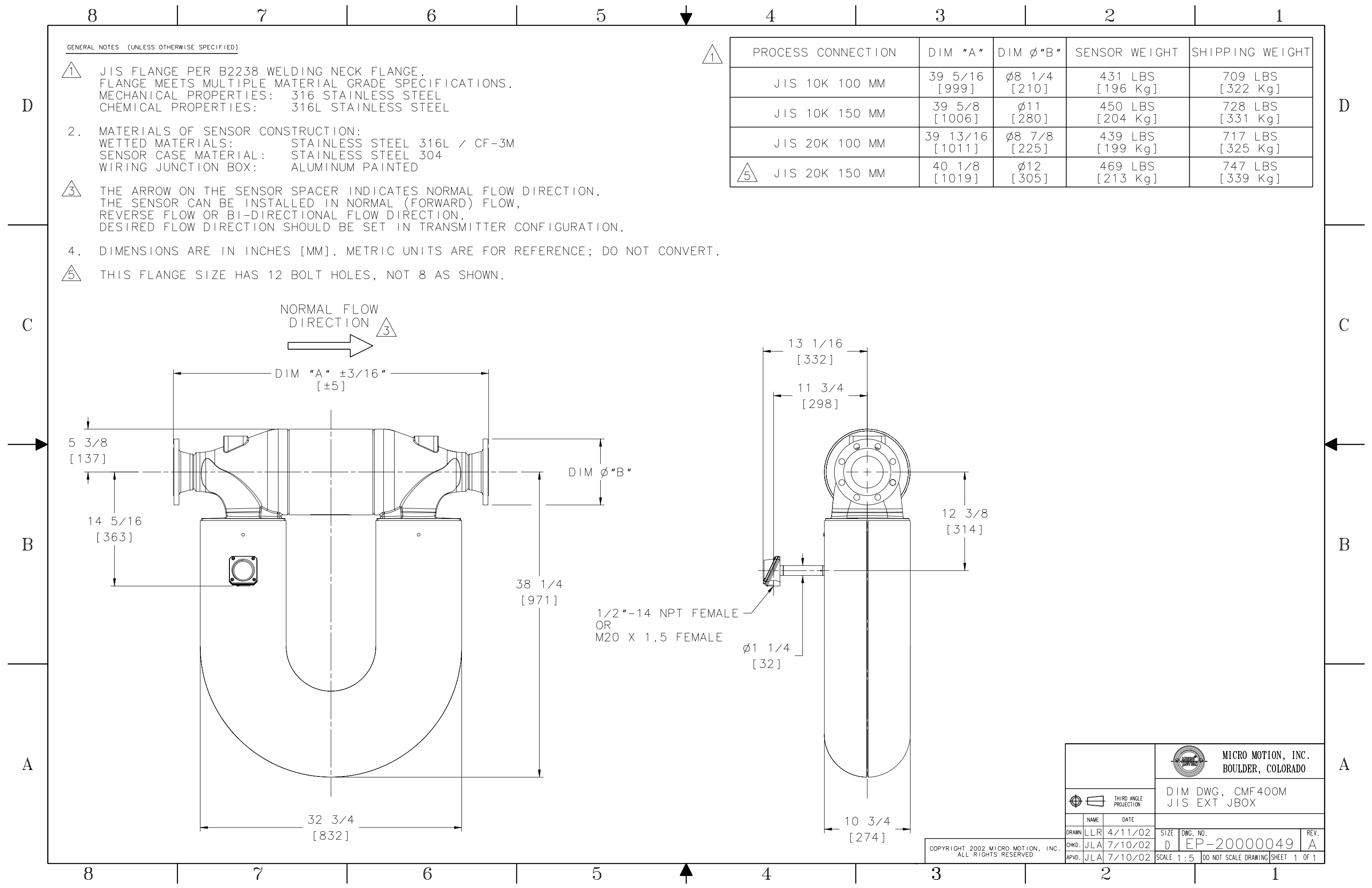
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF-3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 100 MM	39 5/16 [999]	$\phi$ 8 1/4 [210]	431 LBS [196 Kg]	709 LBS [322 Kg]
	JIS 10K 150 MM	39 5/8 [1006]	$\phi$ 11 [280]	450 LBS [204 Kg]	728 LBS [331 Kg]
	JIS 20K 100 MM	39 13/16 [1011]	$\phi$ 8 7/8 [225]	439 LBS [199 Kg]	717 LBS [325 Kg]
⑤	JIS 20K 150 MM	40 1/8 [1019]	$\phi$ 12 [305]	469 LBS [213 Kg]	747 LBS [339 Kg]



		<b>MICRO MOTION, INC.</b> BOULDER, COLORADO	
		DIM DWG, CMF400M JIS EXT JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN LLR	4/11/02	D	EP-20000049
CHKD. JLA	7/10/02	REV. A	
APVD. JLA	7/10/02	SCALE 1:5	DO NOT SCALE DRAWING SHEET 1 OF 1

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: 316 STAINLESS STEEL. CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ OPTIONAL ADAPTERS FOR CENELEC ONLY:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	JIS 10K 100 MM	39 5/16 [999]	$\phi$ 8 1/4 [210]	439 LBS [199 Kg]	710 LBS [322 Kg]
	JIS 10K 150 MM	39 5/8 [1006]	$\phi$ 11 [280]	458 LBS [208 Kg]	729 LBS [331 Kg]
	JIS 20K 100 MM	39 13/16 [1011]	$\phi$ 8 7/8 [225]	447 LBS [203 Kg]	718 LBS [326 Kg]
⑤	JIS 20K 150 MM	40 1/8 [1019]	$\phi$ 12 [305]	477 LBS [217 Kg]	748 LBS [340 Kg]

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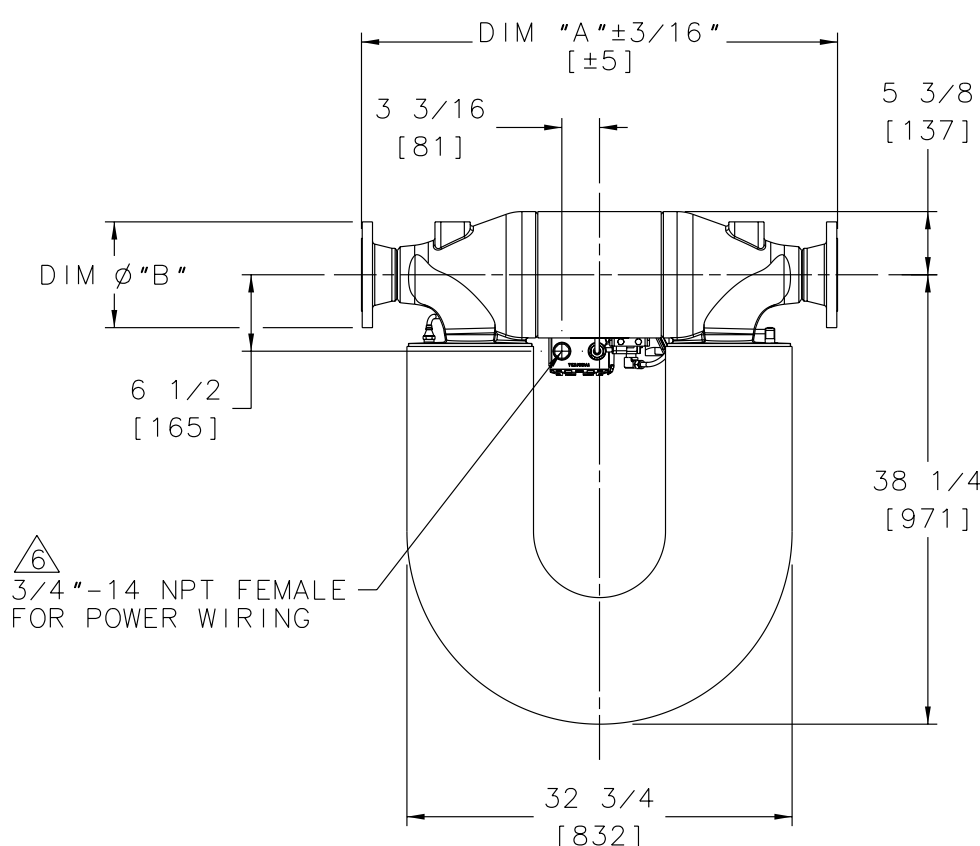
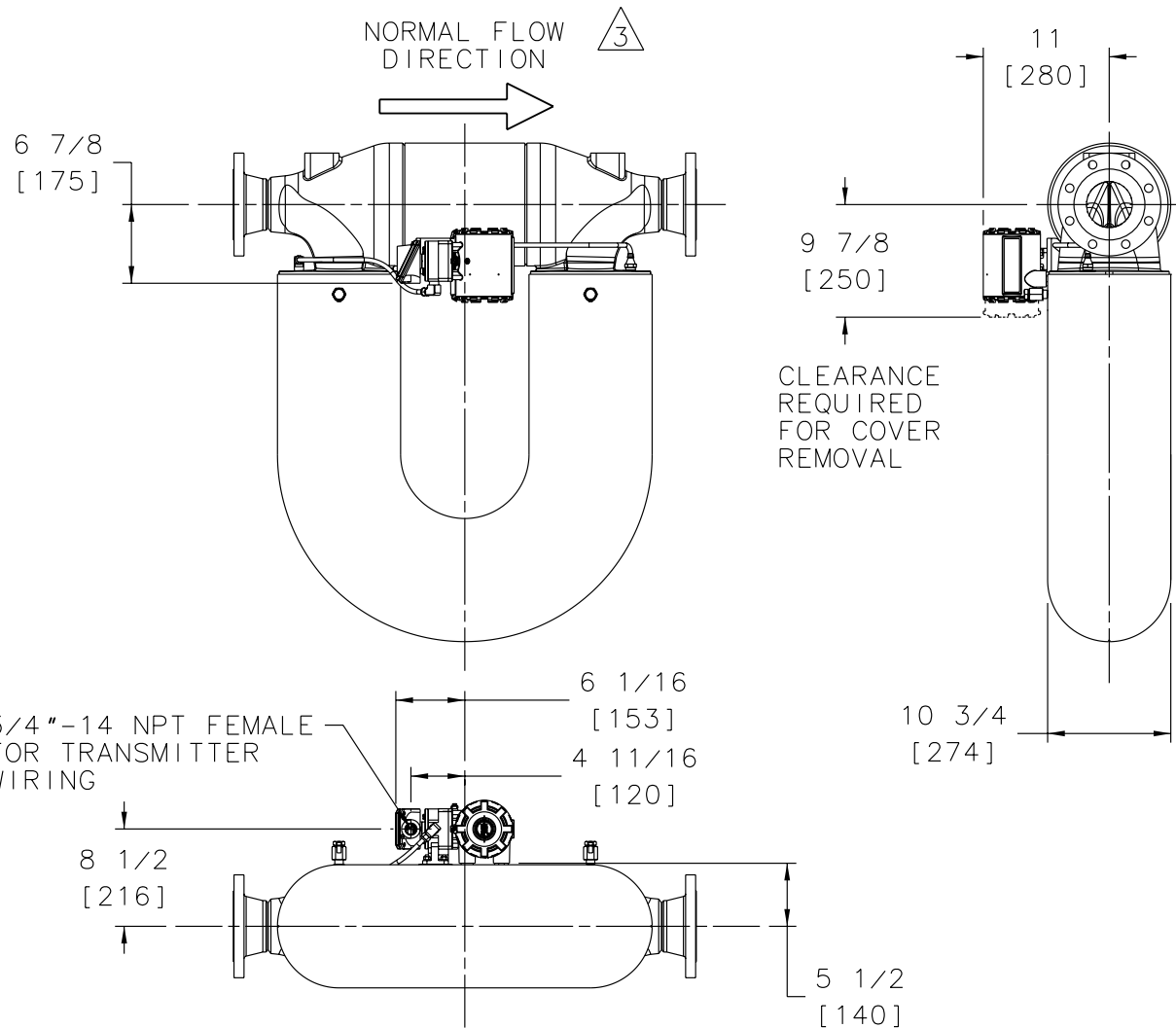
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF400M JIS JBOX	
NAME	DATE	SIZE	DWG. NO.
DRAWN GJK	10/27/00	D	EP-3005838
CHKD. KLM	6/25/01	SCALE NONE	DO NOT SCALE DRAWING
APVD. KLM	6/25/01	SHEET 1 OF 1	

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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- ① ANSI FLANGE:  
ASME/ANSI B16.5 WELD NECK RAISED FACE FLANGE.  
FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS.  
MECHANICAL PROPERTIES: 316 STAINLESS STEEL  
CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- ③ THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION.  
THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW,  
REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION.  
DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC  
UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- ⑤ THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- ⑥ OPTIONAL ADAPTERS:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS

①	PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
	ANSI 150# 4"	40 3/16 [1021]	$\phi$ 9 [229]	455 LBS [207 Kg]	743 LBS [337 Kg]
	ANSI 150# 6"	40 5/16 [1024]	$\phi$ 11 [279]	470 LBS [213 Kg]	757 LBS [344 Kg]
	ANSI 300# 4"	41 [1041]	$\phi$ 10 [254]	475 LBS [216 Kg]	763 LBS [346 Kg]
⑤	ANSI 300# 6"	41 5/16 [1049]	$\phi$ 12 1/2 [318]	509 LBS [231 Kg]	797 LBS [362 Kg]
	ANSI 600# 4"	42 11/16 [1084]	$\phi$ 10 3/4 [273]	500 LBS [227 Kg]	788 LBS [358 Kg]
⑤	ANSI 600# 6"	43 1/2 [1105]	$\phi$ 14 [356]	573 LBS [260 Kg]	861 LBS [391 Kg]

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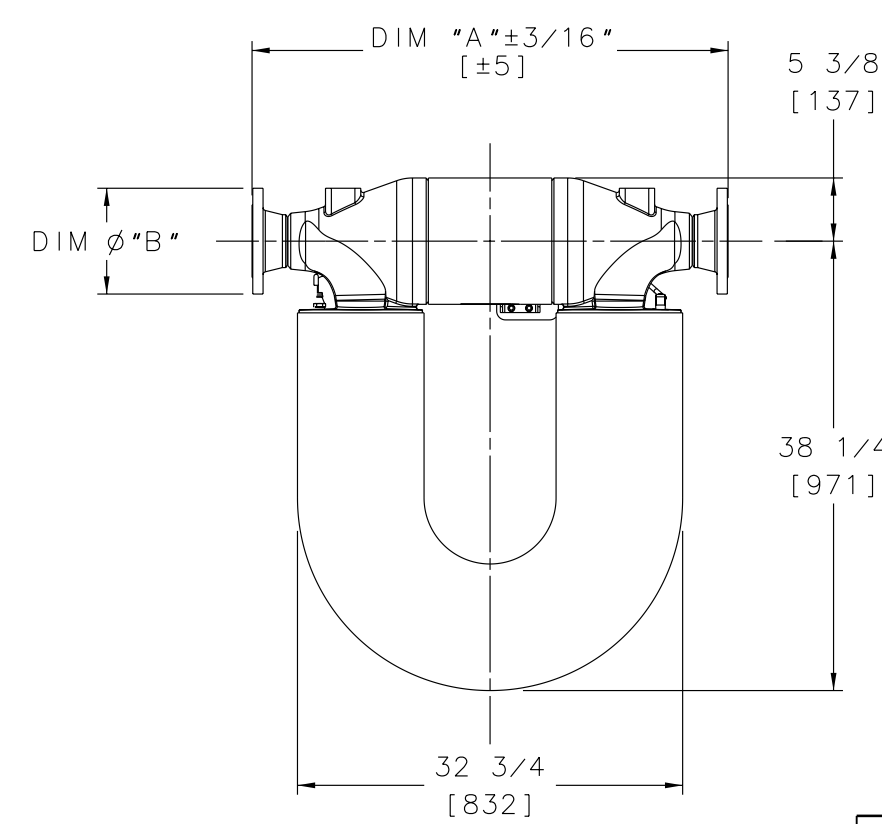
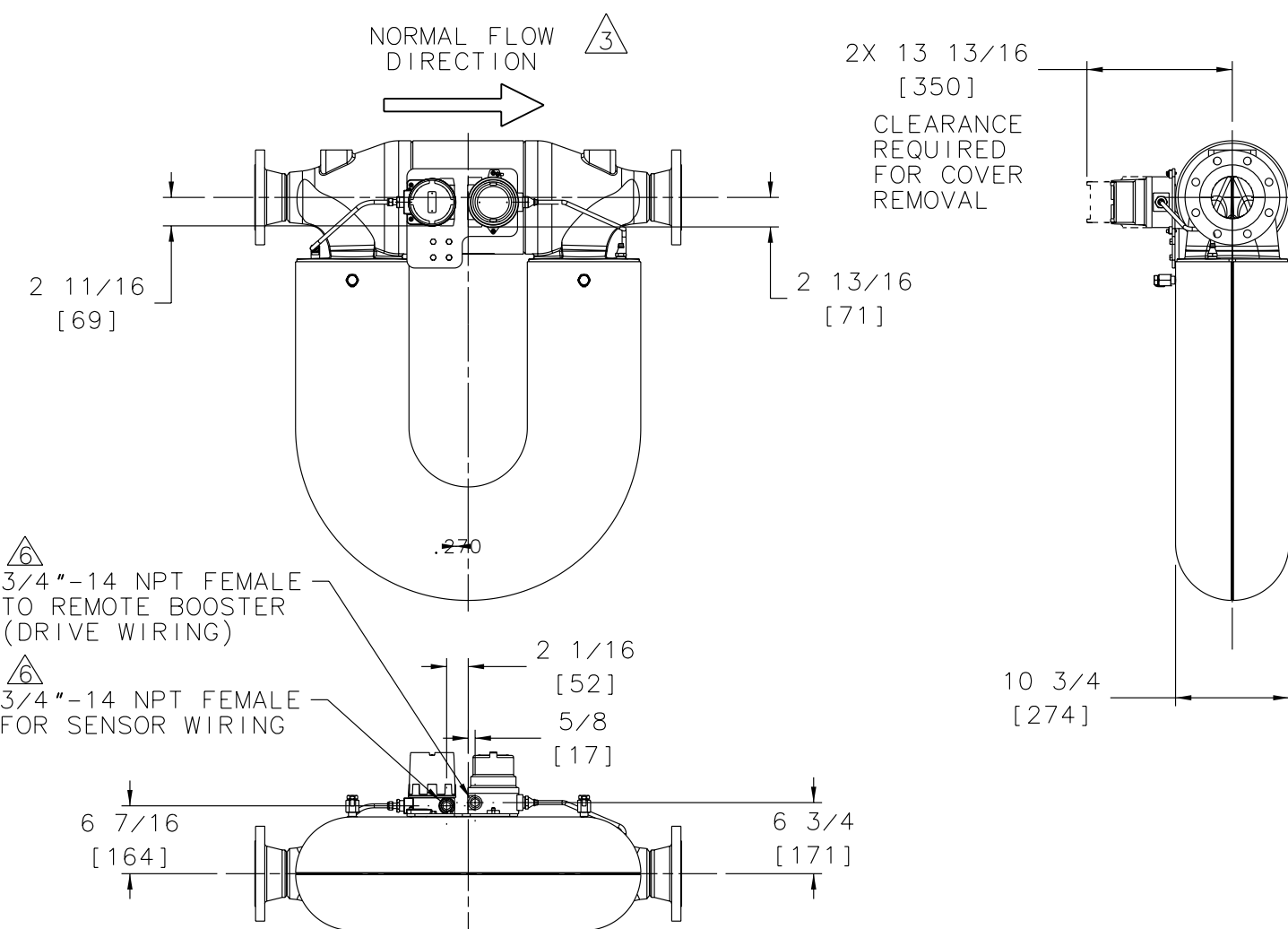
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		MICRO MOTION, INC. BOULDER, COLORADO	
THIRD ANGLE PROJECTION		DIM DWG, CMF400M ANSI RMT	
NAME	DATE	SIZE	DWG. NO.
DRAWN GJK	10/27/00	D	EP-3005842
CHKD. KLM	6/25/01	SCALE NONE	DO NOT SCALE DRAWING
APVD. KLM	6/25/01	SHEET 1 OF 1	

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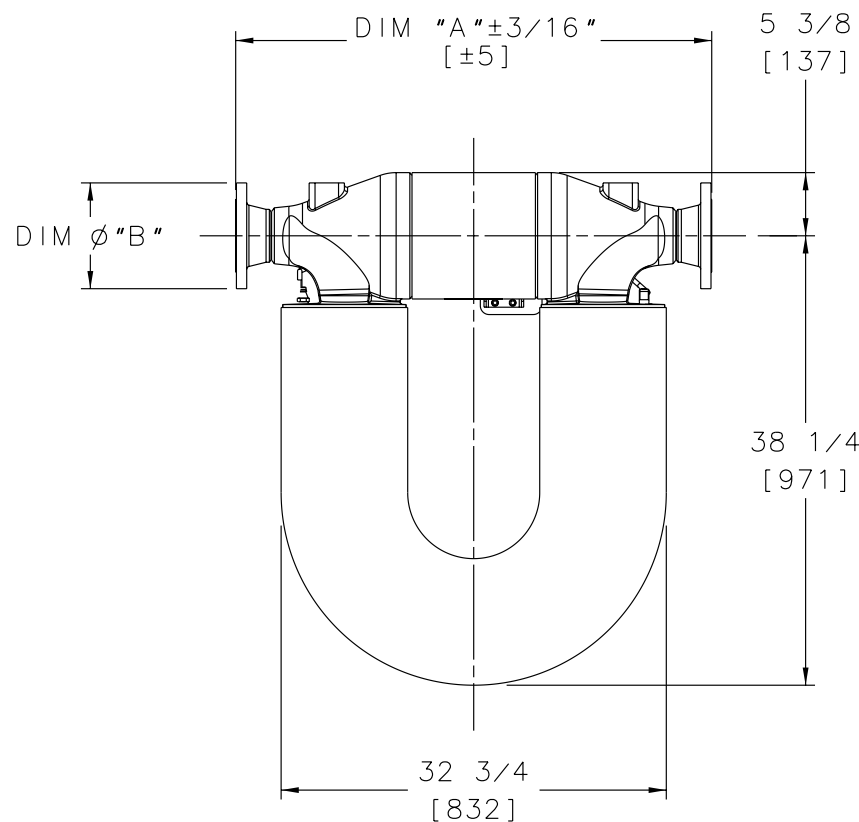
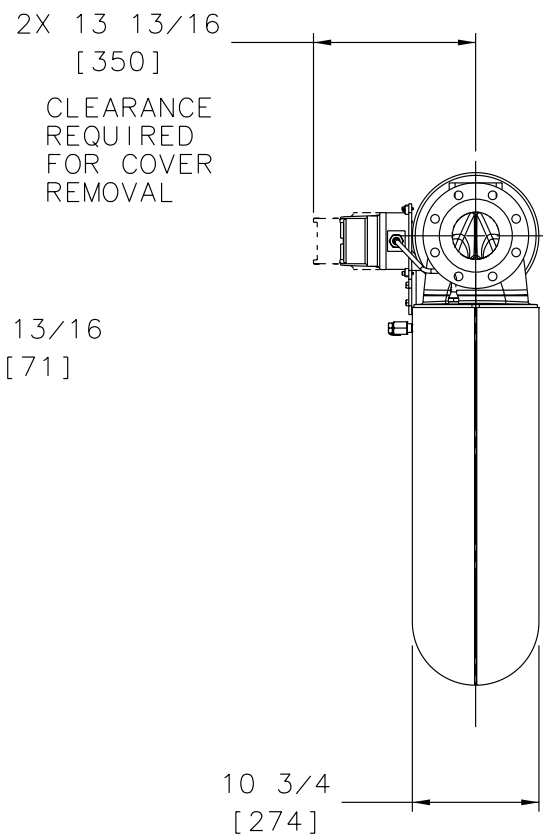
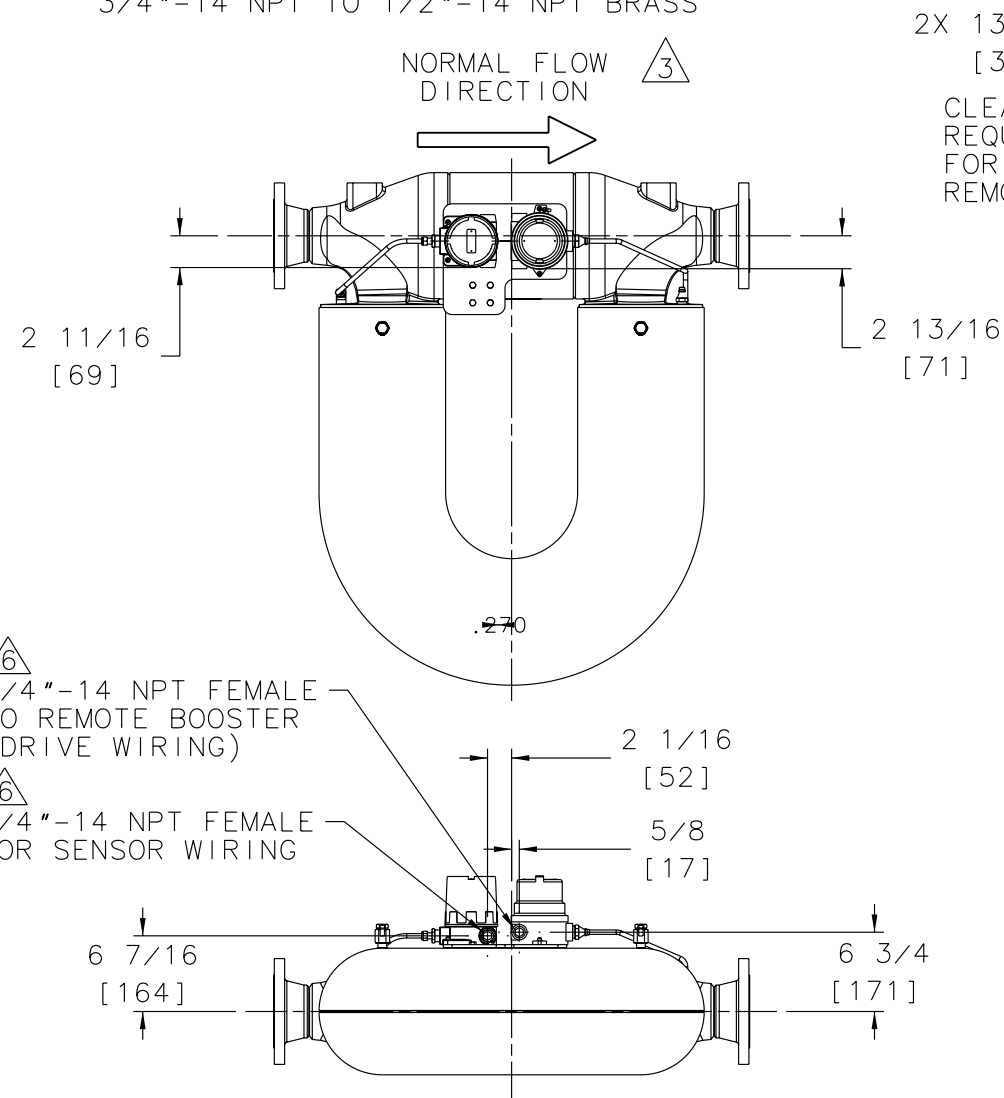
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. JIS FLANGE PER B2238 WELDING NECK FLANGE. FLANGE MEETS MULTIPLE MATERIAL GRADE SPECIFICATIONS. MECHANICAL PROPERTIES: 316 STAINLESS STEEL. CHEMICAL PROPERTIES: 316L STAINLESS STEEL
- 2. MATERIALS OF SENSOR CONSTRUCTION:  
WETTED MATERIALS: STAINLESS STEEL 316L / CF3M  
SENSOR CASE MATERIAL: STAINLESS STEEL 304  
WIRING JUNCTION BOX: ALUMINUM PAINTED
- 3. THE ARROW ON THE SENSOR SPACER INDICATES NORMAL FLOW DIRECTION. THE SENSOR CAN BE INSTALLED IN NORMAL (FORWARD) FLOW, REVERSE FLOW OR BI-DIRECTIONAL FLOW DIRECTION. DESIRED FLOW DIRECTION SHOULD BE SET IN TRANSMITTER CONFIGURATION.
- 4. DIMENSIONS ARE IN INCHES [MM]. METRIC UNITS ARE FOR REFERENCE; DO NOT CONVERT.
- 5. THIS FLANGE SIZE HAS 12 BOLT HOLES, NOT 8 AS SHOWN.
- 6. OPTIONAL ADAPTERS:  
3/4"-14 NPT TO M20 X 1.5 STAINLESS STEEL  
3/4"-14 NPT TO 1/2"-14 NPT STAINLESS STEEL  
3/4"-14 NPT TO M20 X 1.5 BRASS  
3/4"-14 NPT TO 1/2"-14 NPT BRASS

PROCESS CONNECTION	DIM "A"	DIM $\phi$ "B"	SENSOR WEIGHT	SHIPPING WEIGHT
JIS 10K 100 MM	39 5/16 [999]	$\phi$ 8 1/4 [210]	444 LBS [202 Kg]	732 LBS [332 Kg]
JIS 10K 150 MM	39 5/8 [1006]	$\phi$ 11 [280]	464 LBS [211 Kg]	751 LBS [341 Kg]
JIS 20K 100 MM	39 13/16 [1011]	$\phi$ 8 7/8 [225]	452 LBS [205 Kg]	740 LBS [336 Kg]
5 JIS 20K 150 MM	40 1/8 [1019]	$\phi$ 12 [305]	483 LBS [219 Kg]	770 LBS [350 Kg]



- 6 3/4"-14 NPT FEMALE TO REMOTE BOOSTER (DRIVE WIRING)
- 6 3/4"-14 NPT FEMALE FOR SENSOR WIRING

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		MICRO MOTION, INC. BOULDER, COLORADO	
		DIM DWG, CMF400M JIS RMT	
THIRD ANGLE PROJECTION			
NAME	DATE	SIZE	DWG. NO.
DRAWN GJK	10/27/00	D	EP-3005844
CHKD. KLM	6/25/01	SCALE NONE	DO NOT SCALE DRAWING
APVD. KLM	6/25/01	SHEET 1 OF 1	

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