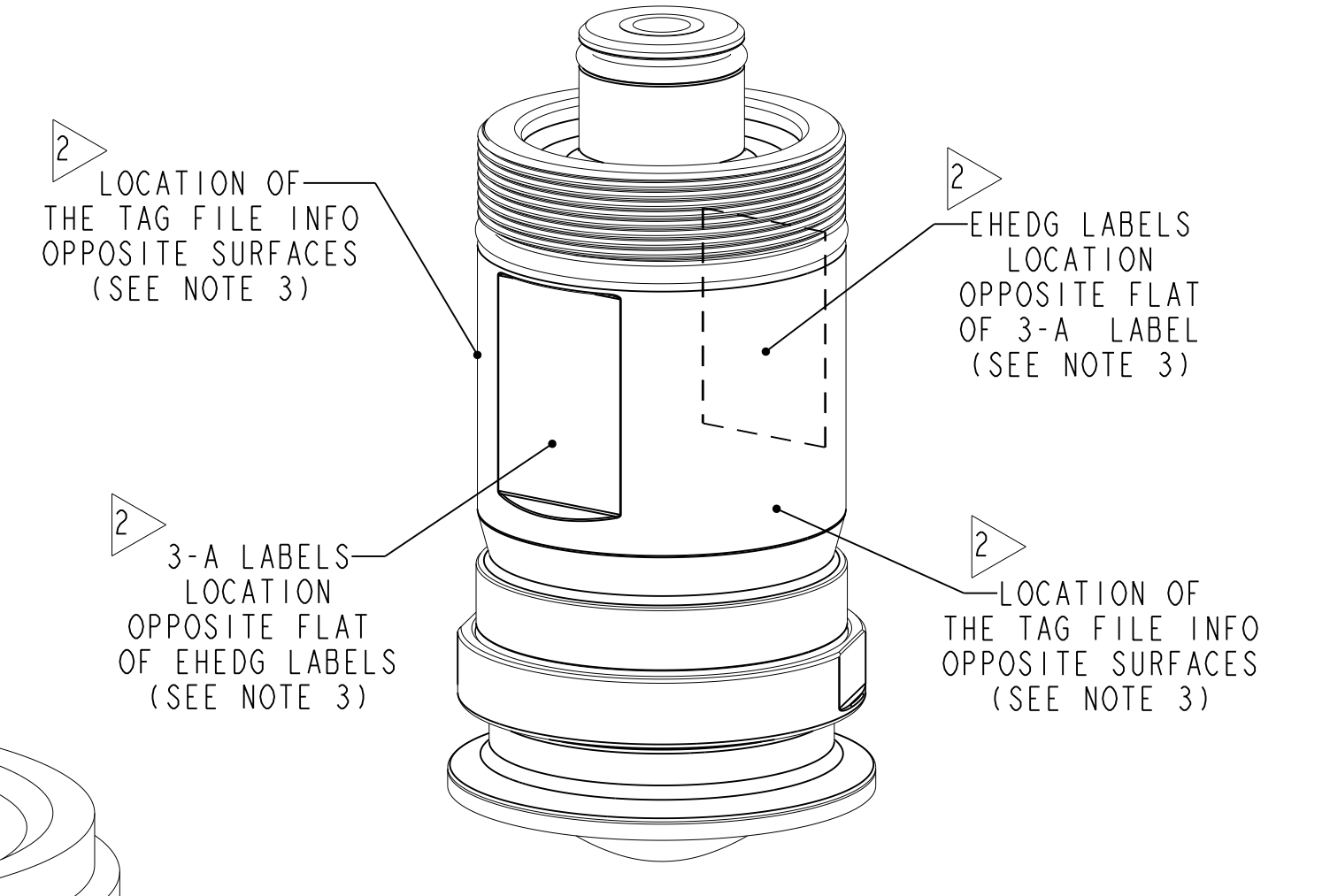
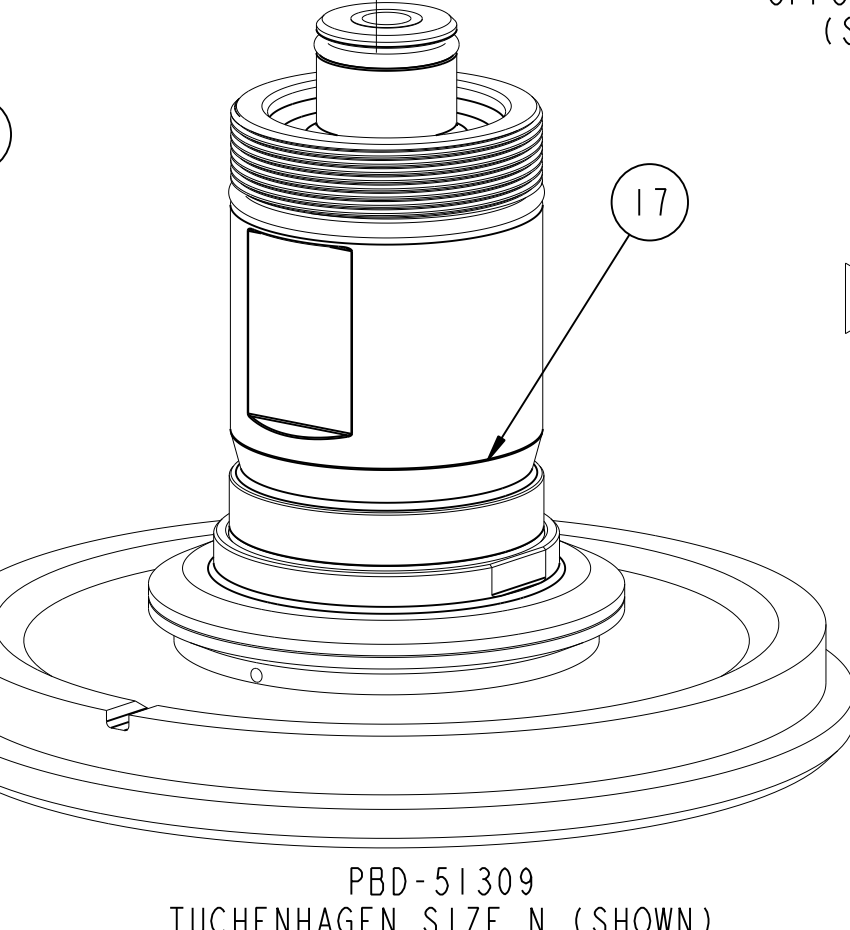
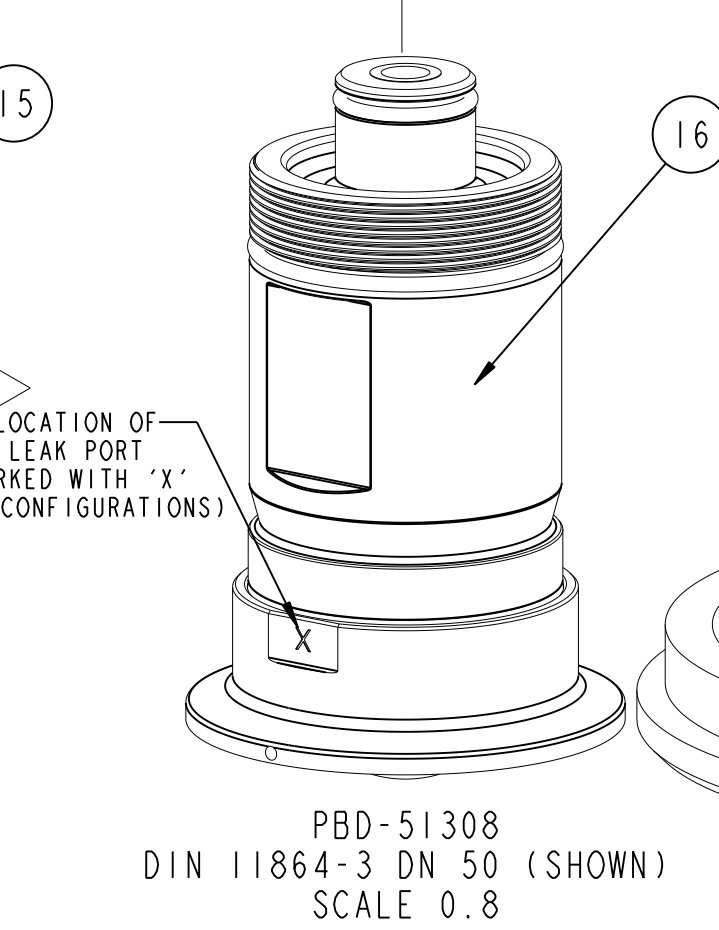
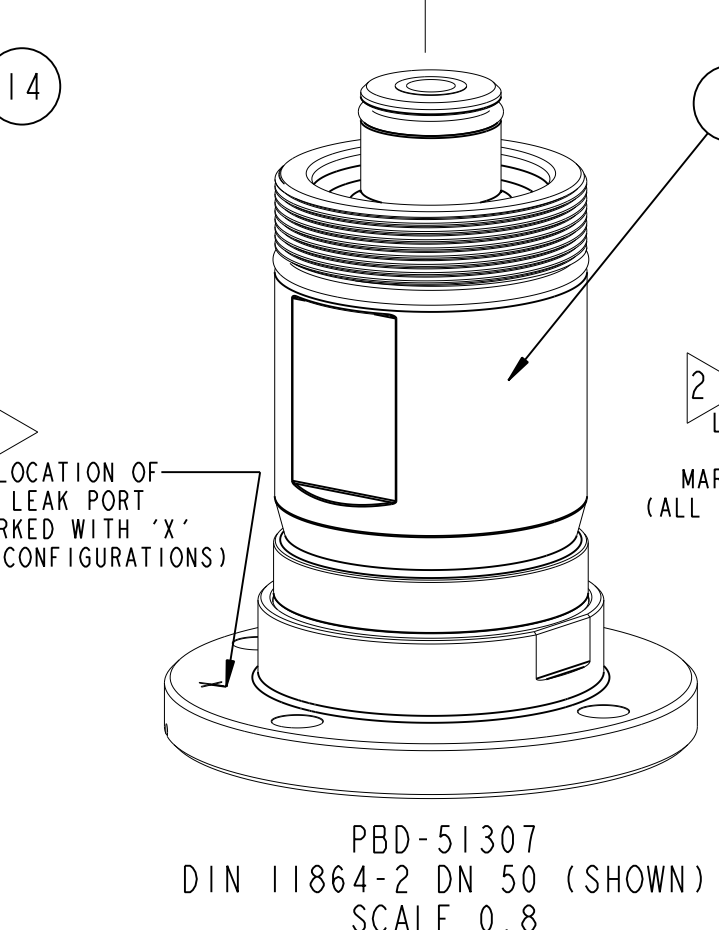
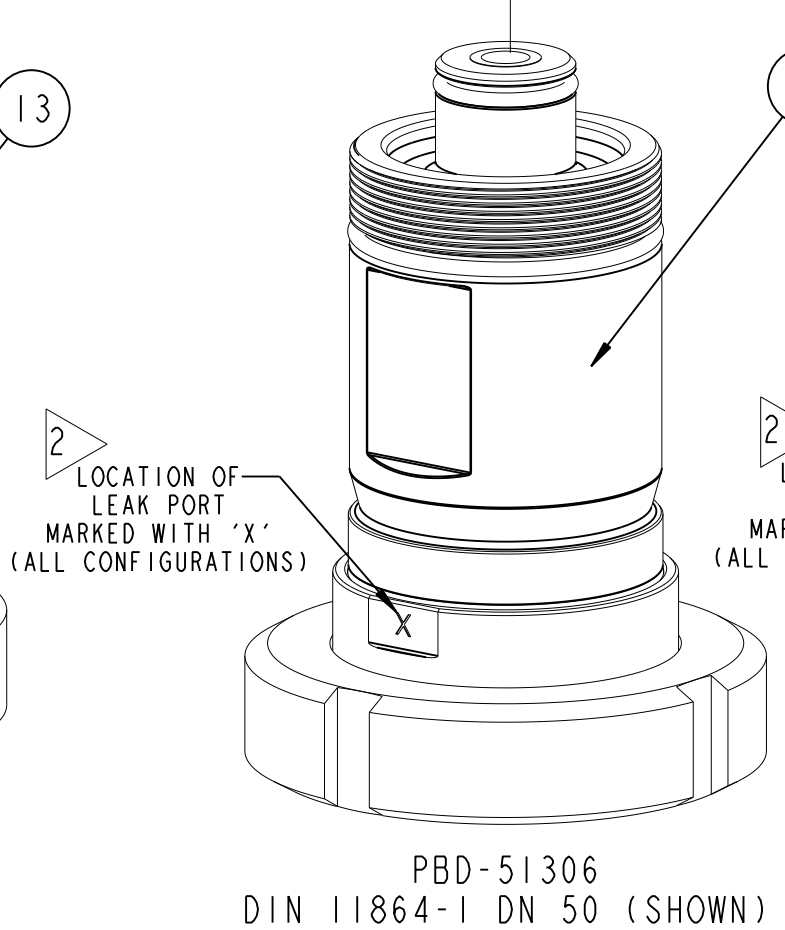
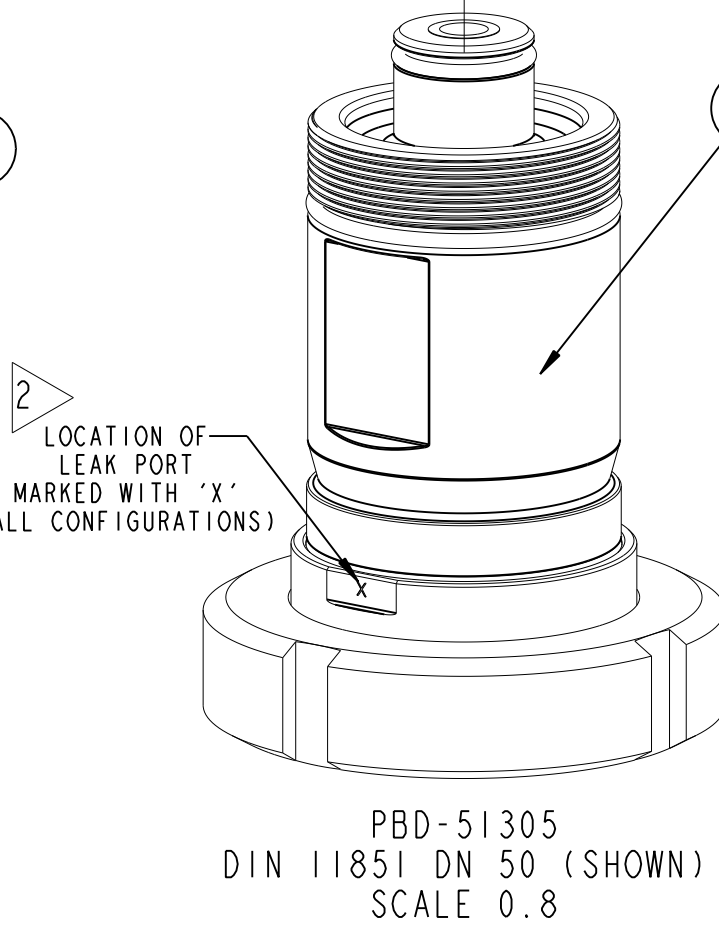
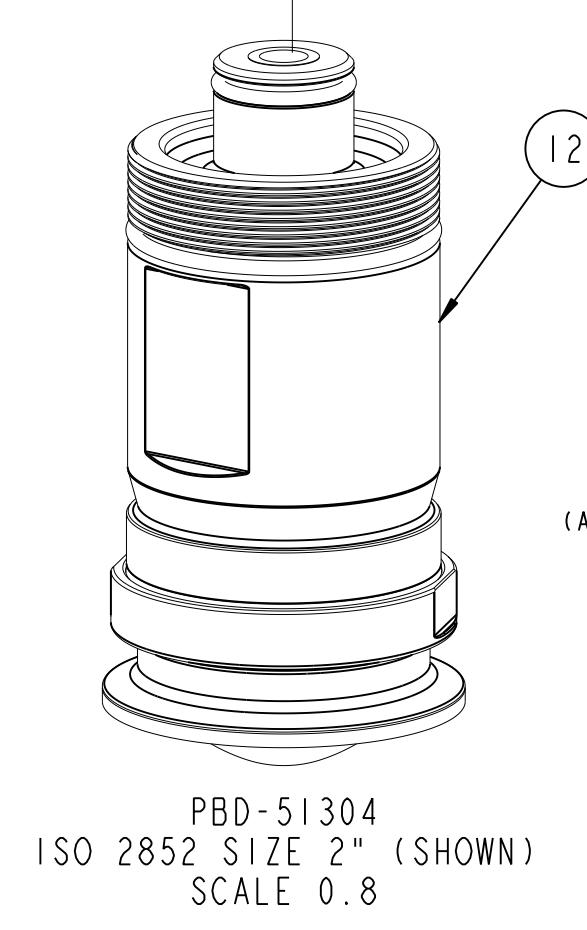


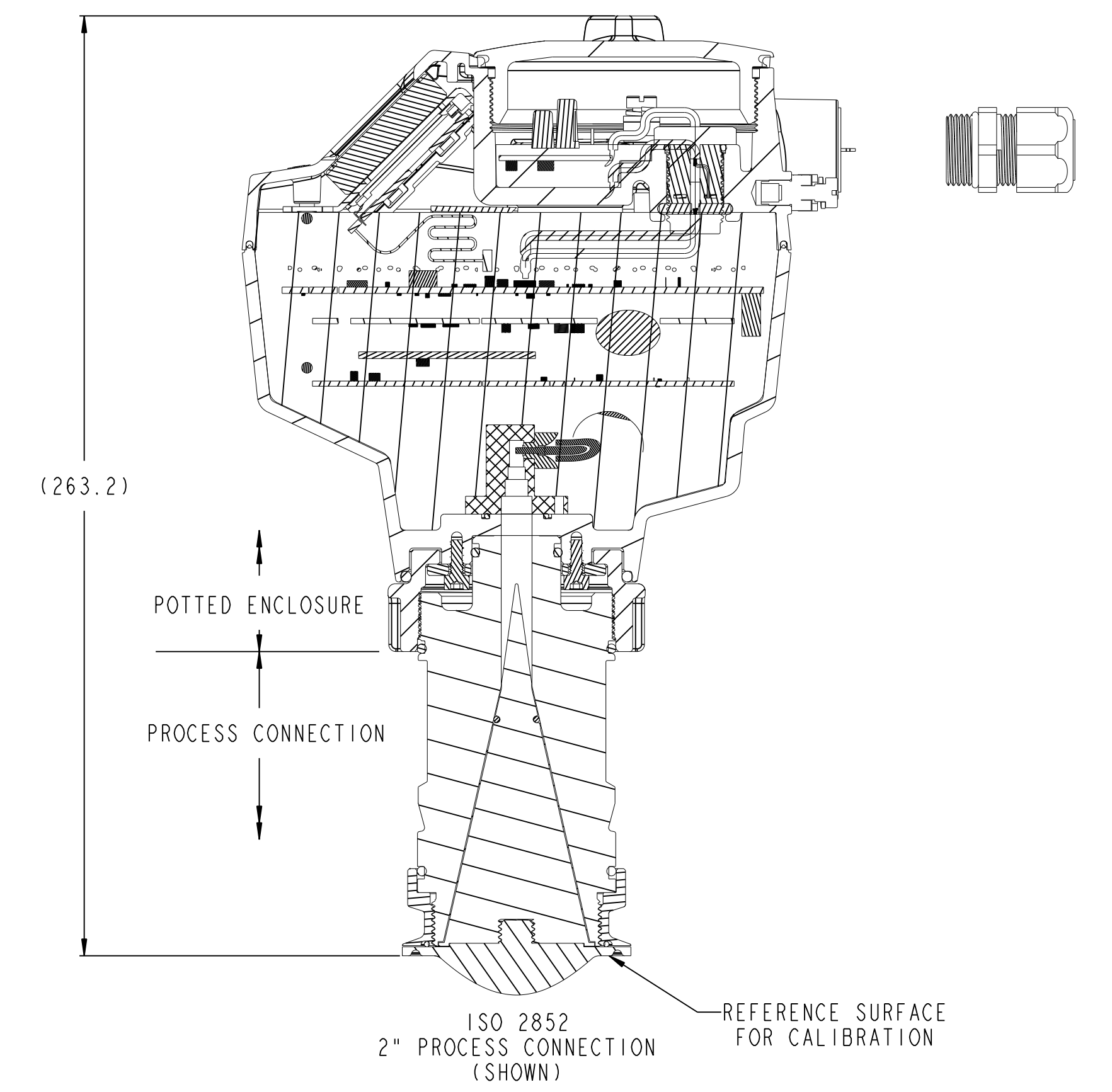
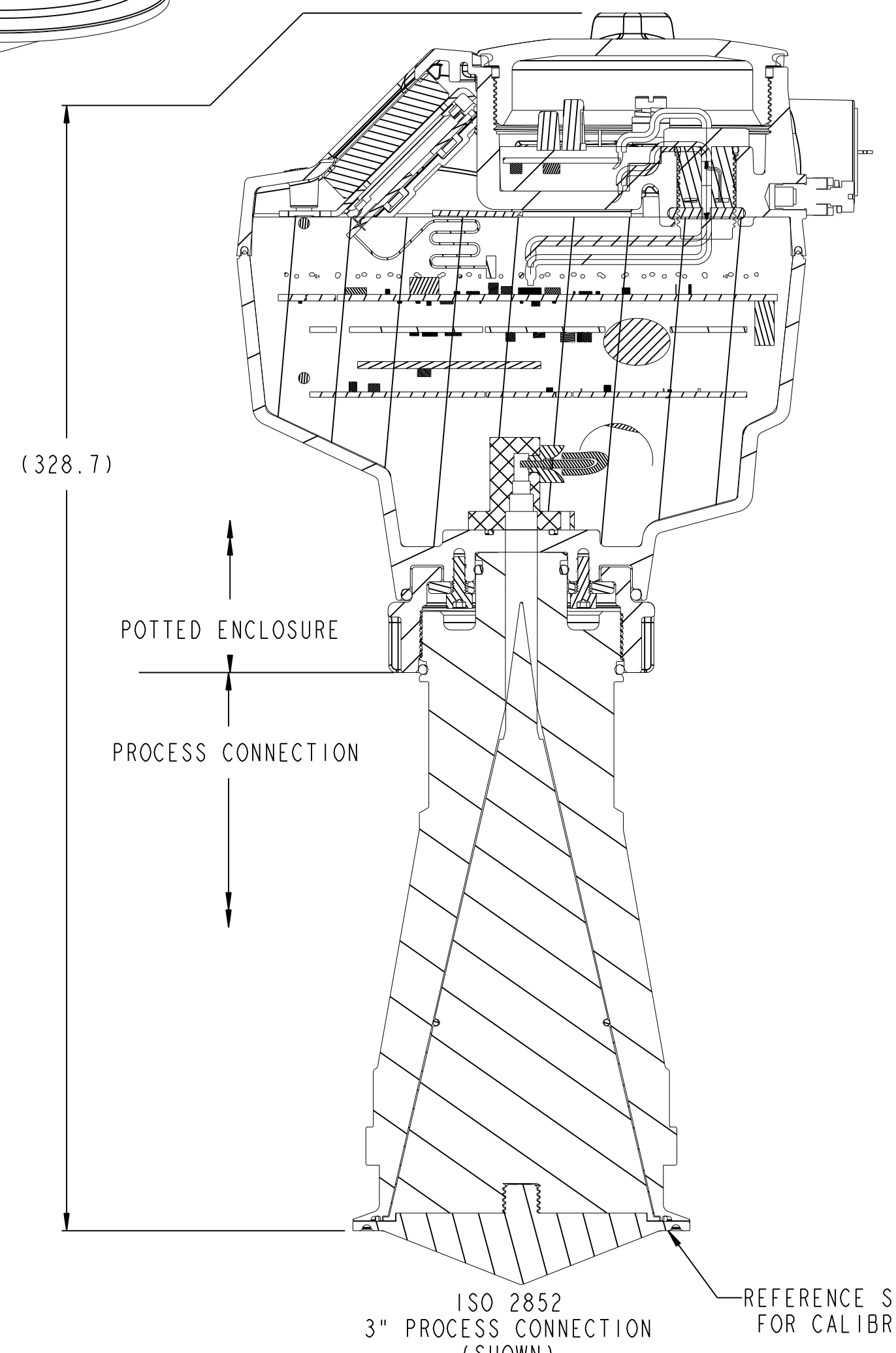
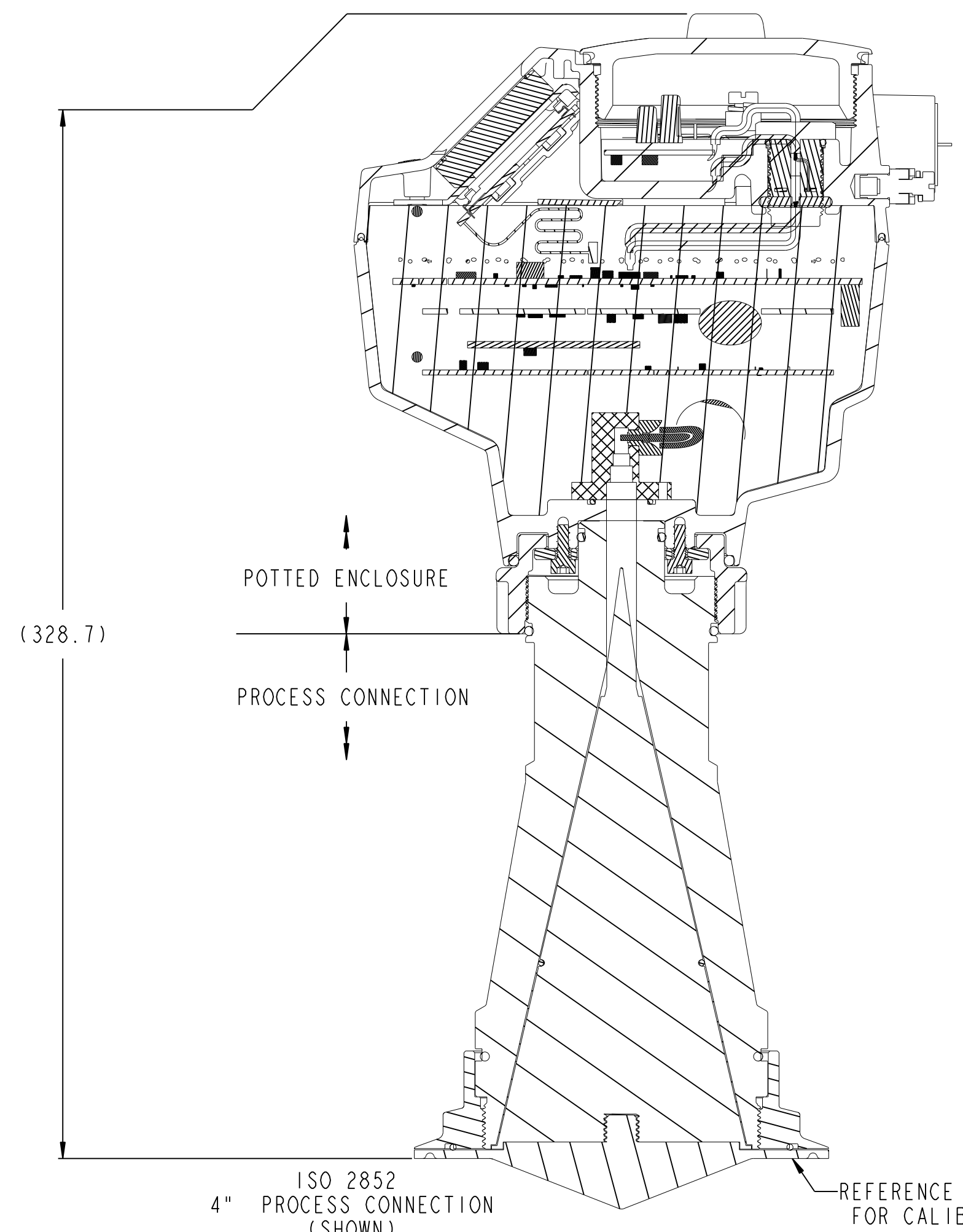
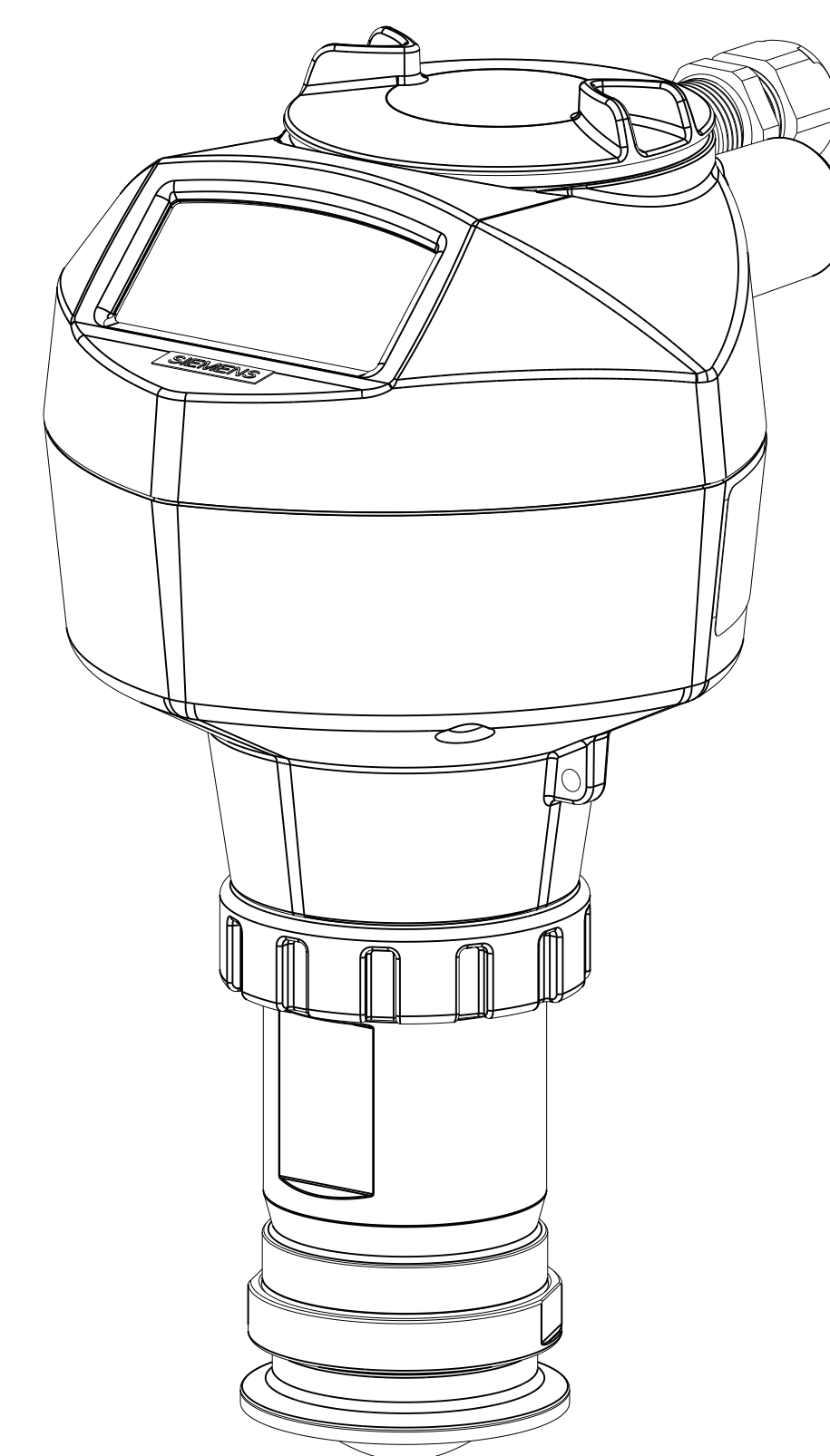
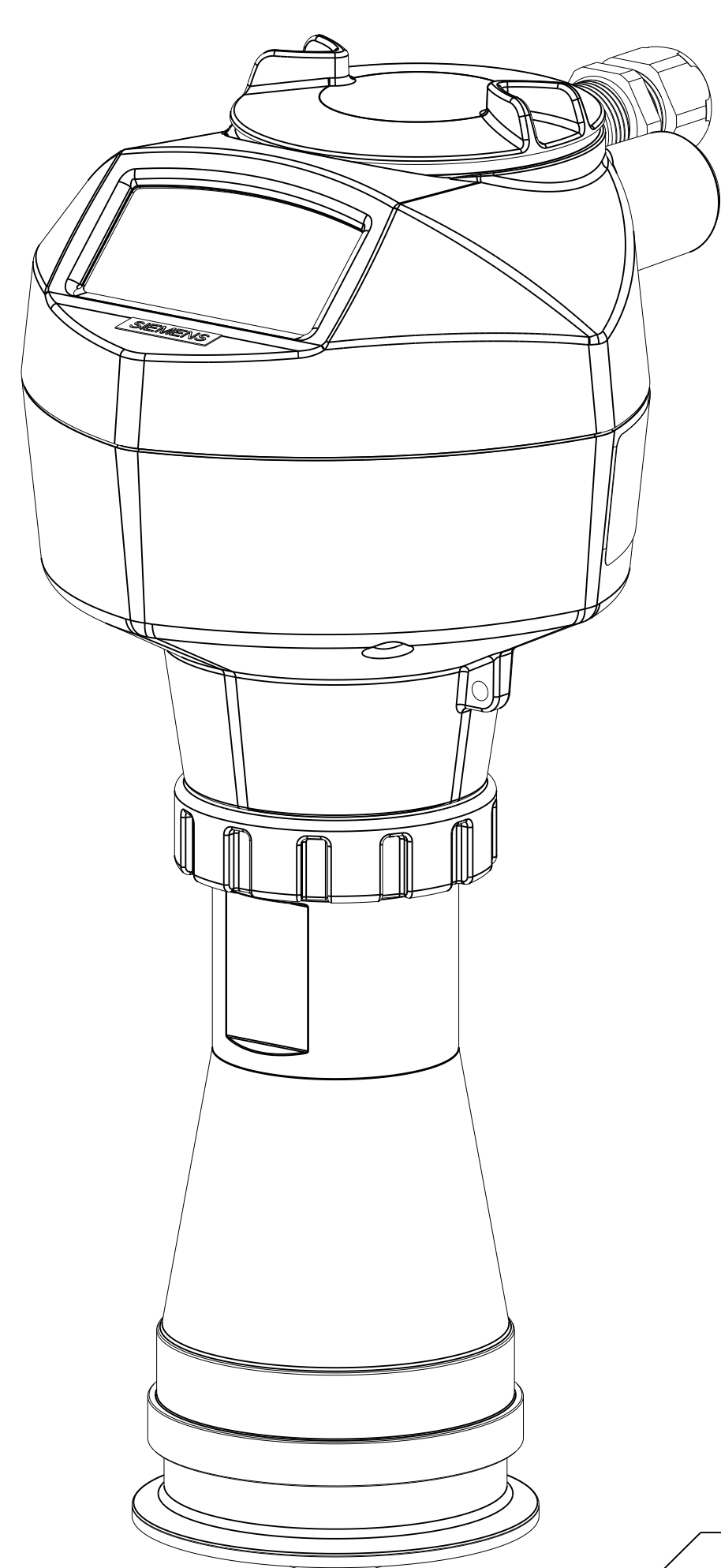
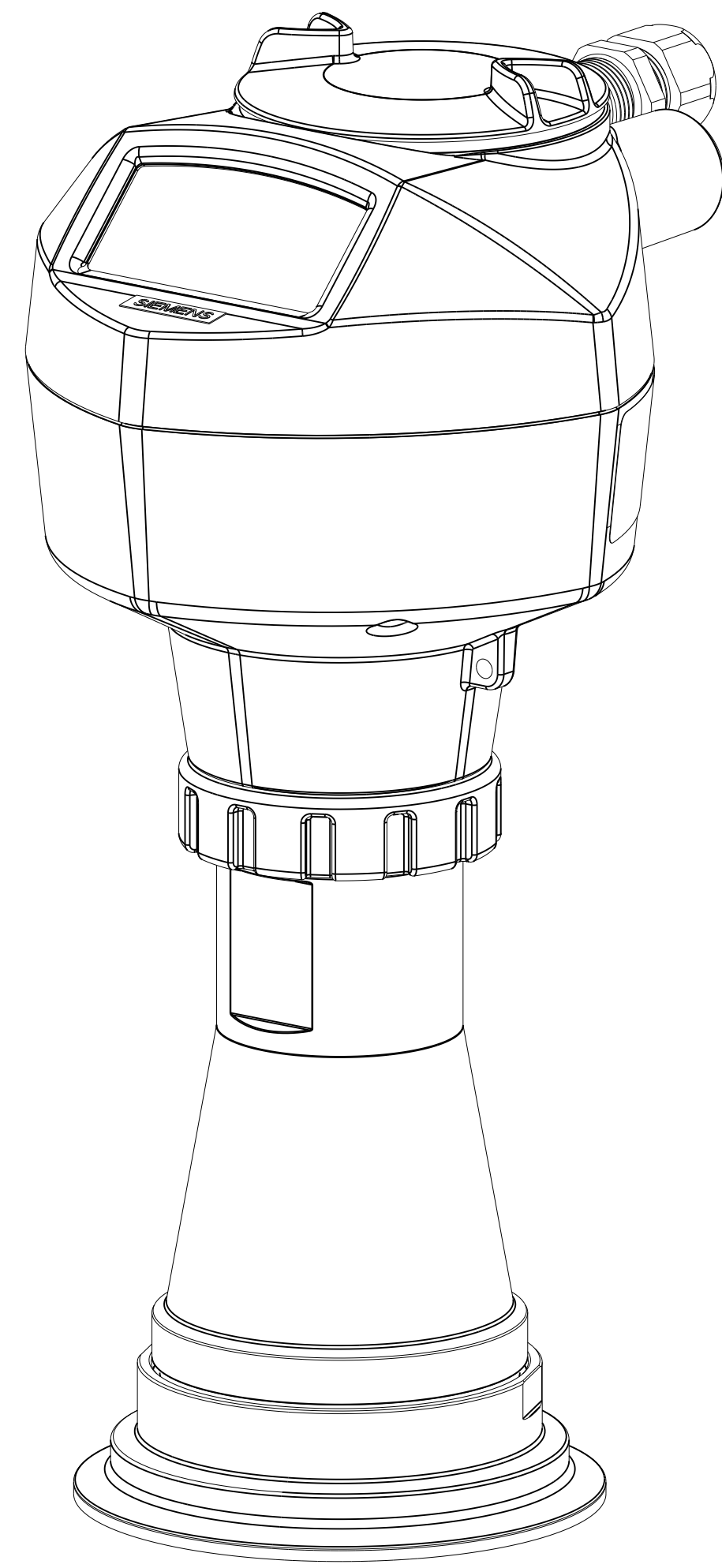
REFERENCE BILL OF MATERIAL

ITEM	PART NUMBER	DESCRIPTION	OTHER OPTIONAL PARTS	NOTE
1	PBD-23310285	ALLEN KEY, 2MM	1	USED FOR ALL NON 3-A HYGIENIC APPROVALS
2	PBD-32901047	SCREW, SET, M4X5 MM, HEX RECESS, SS	1	USED FOR ALL NON 3-A HYGIENIC APPROVALS
3	PBD-22100486	LID, ALUMINUM, M75X1,5, PAINTED	1	USED FOR ALL NON 3-A HYGIENIC APPROVALS
	A5E31162041	HEA, LID, RADAR	1	USED FOR ALL 3-A HYGIENIC APPROVALS
4	A5E32317908	O-RING 72 X 2.5 MM, 60A, -40/200C, VMQ	1	
5	PBD-00050118	GREASE, SYNTHETIC W/ TEFLON, 14.1 OZ TUBE	0.001	TO BE APPLIED TO THREADS ON ITEM 3 AND ALL O-RINGS ON ITEMS 14 TO 19. SEAL BETWEEN HEAD ASSEMBLY & PROCESS CONNECTION NOT SHOWN ON DRAWING
6	PBD-25300052	O-RING, 18 ID X 1.5 MM, BUNA-N	1	USED WITH ITEM 7 FOR M20 CONDUIT ENTRY FOR NON EEx d APPROVAL
	PBD-24150068	TAPE, TEFLON 1/2 X 480 IN	0.006	USED WITH 1/2" NPT CONDUIT ENTRY NOT SHOWN ON DRAWING
	PBD-24700137	PLUG, THD M20, BLACK PLASTIC	1	USED WITH M20 CONDUIT ENTRY FOR NON EEx d APPROVAL
7	PBD-24700110	PLUG, HD POLY, 1/2 NPT, SKT DRIVE	1	USED WITH 1/2 NPT CONDUIT ENTRY FOR NON EEx d APPROVAL
	PBD-24700111	PLUG, 1/2" NPT, SKT DRIVE, BRASS	1	USED WITH 1/2 NPT CONDUIT ENTRY FOR EEx d APPROVAL
	PBD-BA0462	BLIND PLUG M20 BRASS	1	USED FOR M20 CONDUIT ENTRY FOR EXPLOSION APPROVAL
8	A5E32385880	STICK_ON_LABEL_NP	2	USED FOR ALL 3-A HYGIENIC APPROVALS SURFACE PREPARATION OF THE HOUSING BEFORE LABEL APPLICATION IS REQUIRED.
9	PBD-24251499	NP, 2.5 X 1.5 THERMAL TRANSFER	1	USED FOR ALL HYGIENIC APPROVALS NOT SHOWN ON DRAWING
10	A5E31162042	HEA, LID GASKET, 3-A	1	USED FOR ALL 3-A HYGIENIC APPROVALS (DO NOT APPLY GREASE ON THE LID EPDM GASKET)
11	PBD-24700120	PLUG, PE, 1/2 NPT CTR-TAB PULL, ORANGE	1	
12	PBD-51304	ASSY, ISO 2852, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL ISO 2852 CONNECTIONS
13	PBD-51305	ASSY, DIN 11851, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL DIN 11851 CONNECTIONS
14	PBD-51306	ASSY, DIN 11864-1, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL DIN 11864-1 CONNECTIONS
15	PBD-51307	ASSY, DIN 11864-2, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL DIN 11864-2 CONNECTIONS
16	PBD-51308	ASSY, DIN 11864-3, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL DIN 11864-3 CONNECTIONS
17	PBD-51309	ASSY, TUCHENHAGEN, 316L, ULTEM, VMQ, HEA, LR250	1	USED FOR ALL TUCHENHAGEN CONNECTIONS
18	A5E31162058	SITRANS LR250 POTTED ALUM ENCL ASSY 3A	1	FAMILY SCA-00001
19	A5E00873648	ASSY, BLACK PLASTIC EEx e CABLE GLAND	1	FOR ALL OTHER APPROVALS EXCEPT IS APPROVALS
	A5E02467641	ASSY, CABLE GLAND, BLUE PLASTIC, IP68, EEx e	1	FOR IS APPROVALS ONLY
	A5E33720195	ASSY, DIN 11851 DN 50, EPDM Gasket C/W PKG	1	USED FOR DN50 DIN11851 CONNECTION ONLY (PART NOT SHOWN)
	A5E33720208	ASSY, DIN 11851 DN 80, EPDM Gasket C/W PKG	1	USED FOR DN80 DIN11851 CONNECTION ONLY (PART NOT SHOWN)
	A5E33720240	ASSY, DIN 11851 DN 100, EPDM Gasket C/W PKG	1	USED FOR DN100 DIN11851 CONNECTION ONLY (PART NOT SHOWN)

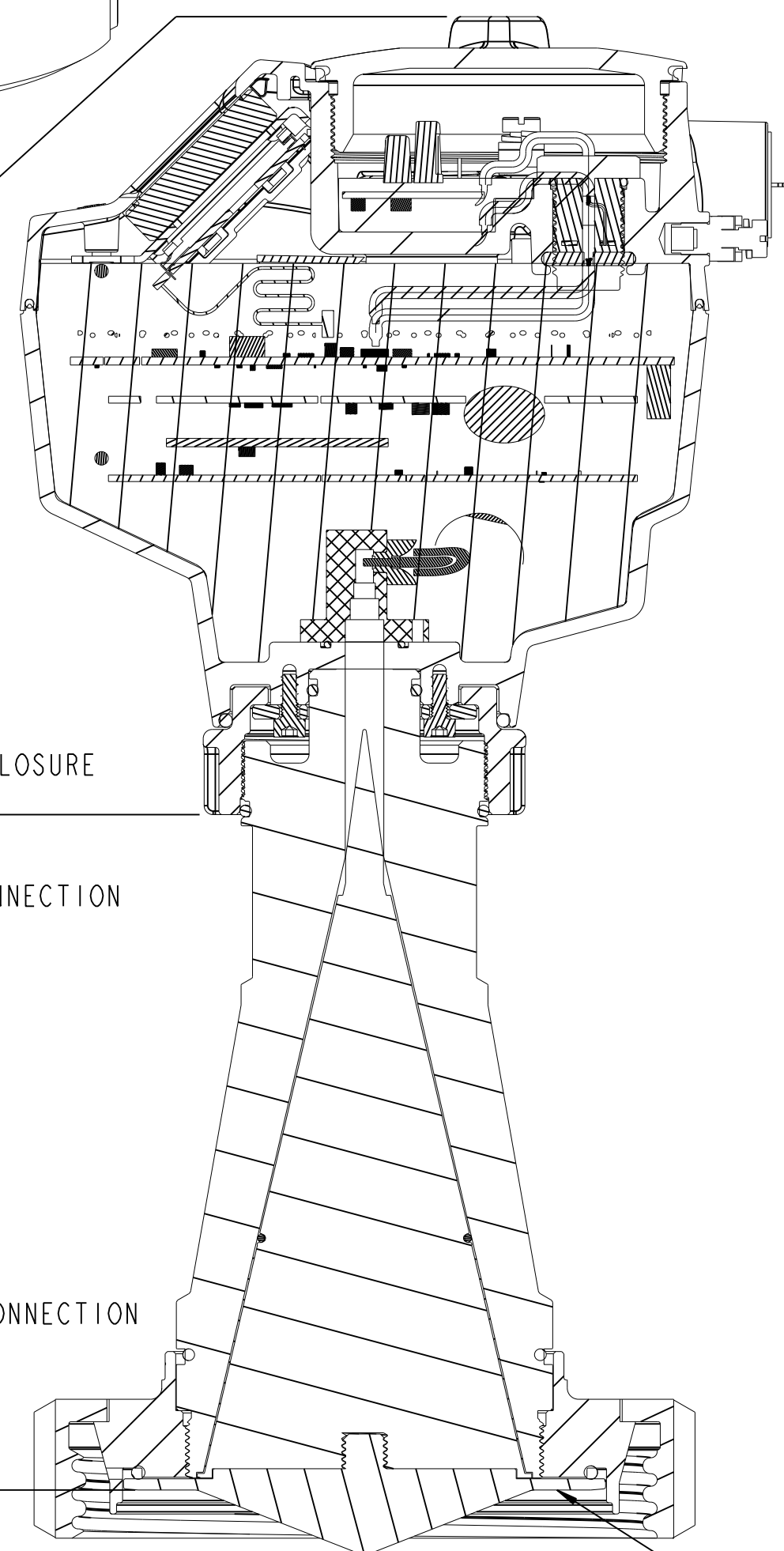
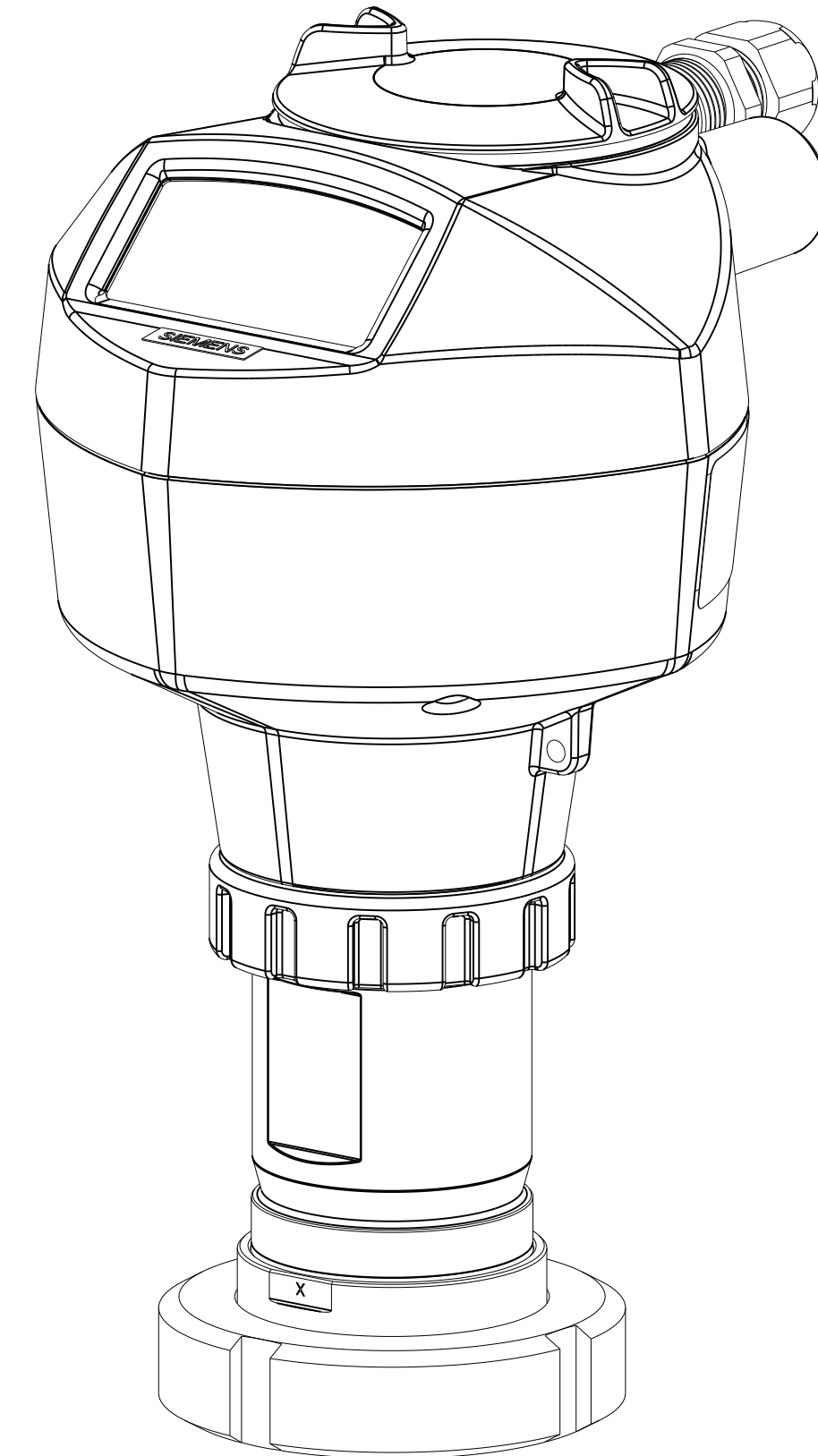
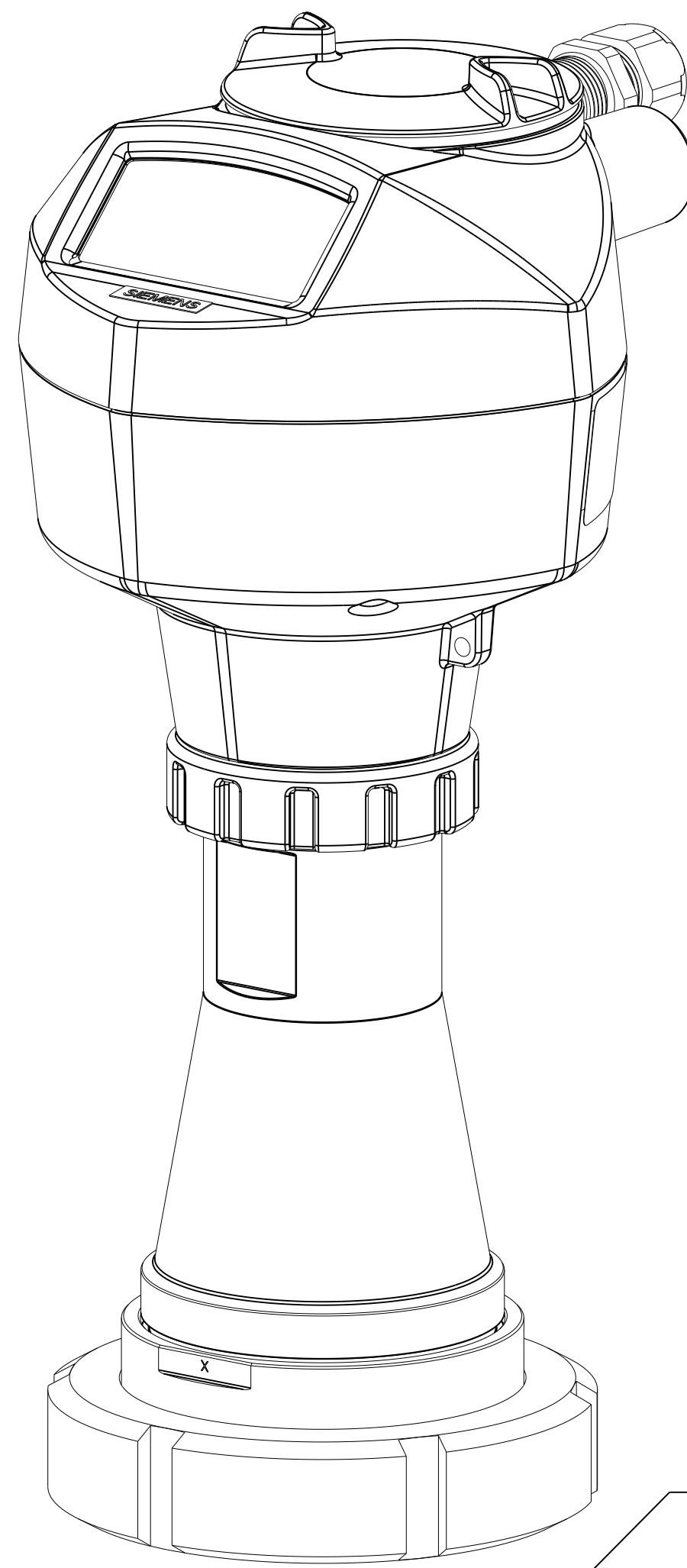
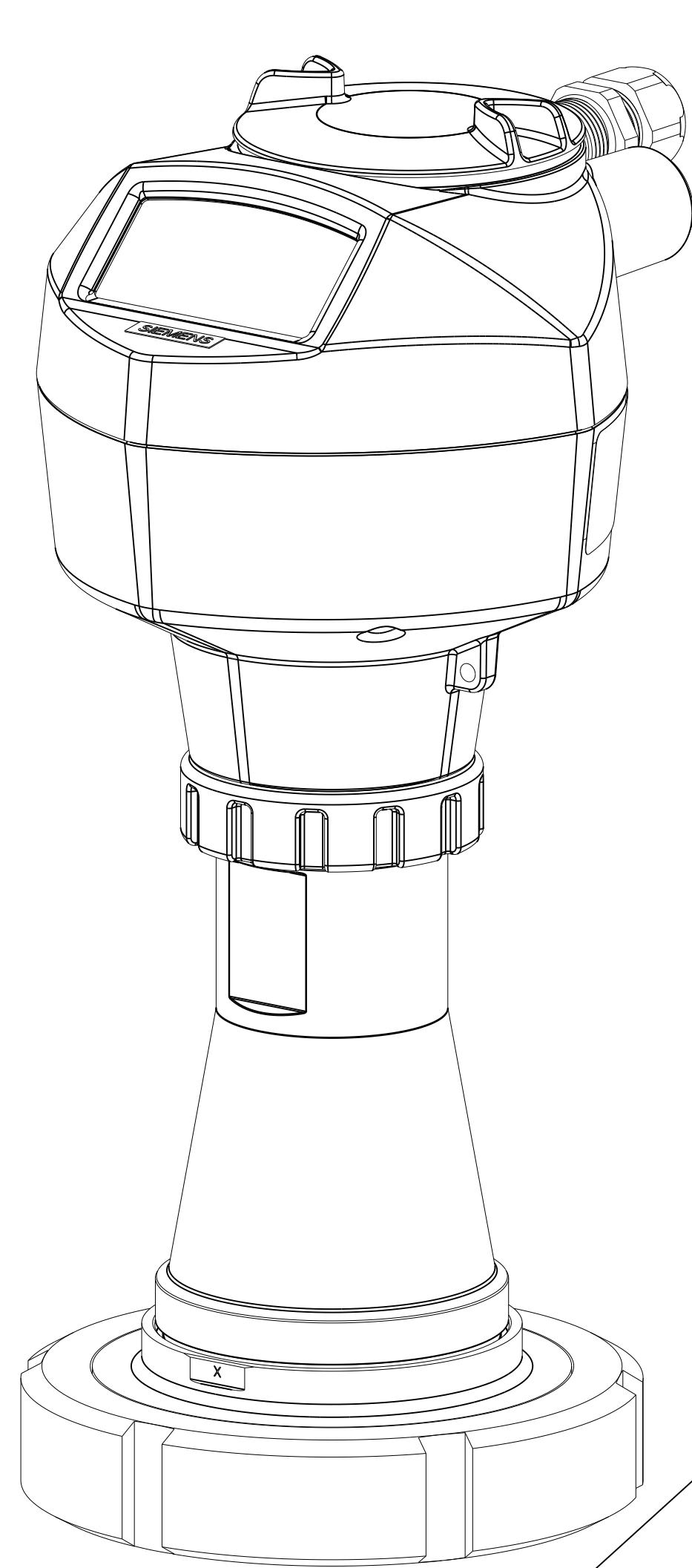


- NOTES:
- REFER TO DESIGN RECIPE (7ML5433B-DESIGN) FOR INFORMATION OF NAMEPLATE ARTWORK, PACKAGING, MANUAL (QUICK START) AND COMPLETE CONFIGURATION DETAILS.
 - COMMUNICATIONS OPTIONS 1 AND 3 CAN HAVE FOUNDATION FIELD BUS CONNECTORS. SEE MANUFACTURING RECIPE FOR MORE DETAILS.
 - NAMEPLATE, TAG, EHDG & 3-A LABELS INFORMATION AS PER DESIGN RECIPE (7ML5433B-DESIGN). TO BE LASER ETCHED AS SHOWN
 - ADHESIVES, GREASES, LOCTITE, PRIMER AND LIKE MATERIALS OF MINIMAL VALUE TO BE SET UP ON SAP AS BULK / NO PLANNING (UMBW) ITEMS.
 - "Z" OPTIONS ACCESSORIES AND SPARES NOT SHOWN ON DRAWING. SEE DESIGN RECIPE (7ML5433B-DESIGN)

DIMENSIONS ARE IN MILLIMETERS		02	CO P5A00045674	RC	TR	2014 FEB 12
USE DIMENSIONS ONLY- DO NOT SCALE		01	CO P5A00039111	RC	TR	2013 JUNE 28
THIRD ANGLE PROJECTION		Rev	ECO/Description	Drw	Appr	Date
		PRODUCT GROUP:	RADAR	TOLERANCES UOS	SCALE	SIZE
		DATE:	2013-06-28	0 PLC DECIMAL ±0.8	1.0	D
		DRAWN:	ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3		
		CHECKED:	BALJINDER SINGH	2 PLC DECIMAL ±0.10		
		APPROVED:	TED REID	ANGLES ±0.5°		
		LOCATION:	PETERBOROUGH	TITLE	SITRANS LR250	
					25 GHZ PULSE RADAR	
					HYGIENIC ENCAPSULATED ANTENNA	
					DRAWING No	REV
					7ML5433A-DESIGN	02
					FILE No	PLOT AT 1:1
					7ML5433A-DESIGN 02	SHEET 1 OF 7



DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1	
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description
THIRD ANGLE PROJECTION	PRODUCT GROUP: RADAR	TOLERANCES UOS	SCALE
	DATE: 2013-06-28	0 PLC DECIMAL ±0.8	1.0
	DRAWN: ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3	SIZE
	CHECKED: BALJINDER SINGH	2 PLC DECIMAL ±0.10	D
	APPROVED: TED REID	ANGLES ±0.5°	
SIEMENS CANADA LIMITED	LOCATION: PETERBOROUGH	TITLE	SITRANS LR250
SIEMENS MILLTRONICS	RESTRICTED	25 GHZ PULSE RADAR	
PETERBOROUGH, ONTARIO CANADA	FILE No 7ML5433A-DESIGN 02	DRAWING No	7ML5433A-DESIGN
		REV	02
		PLOT AT 1:1	SHEET 2 OF 7

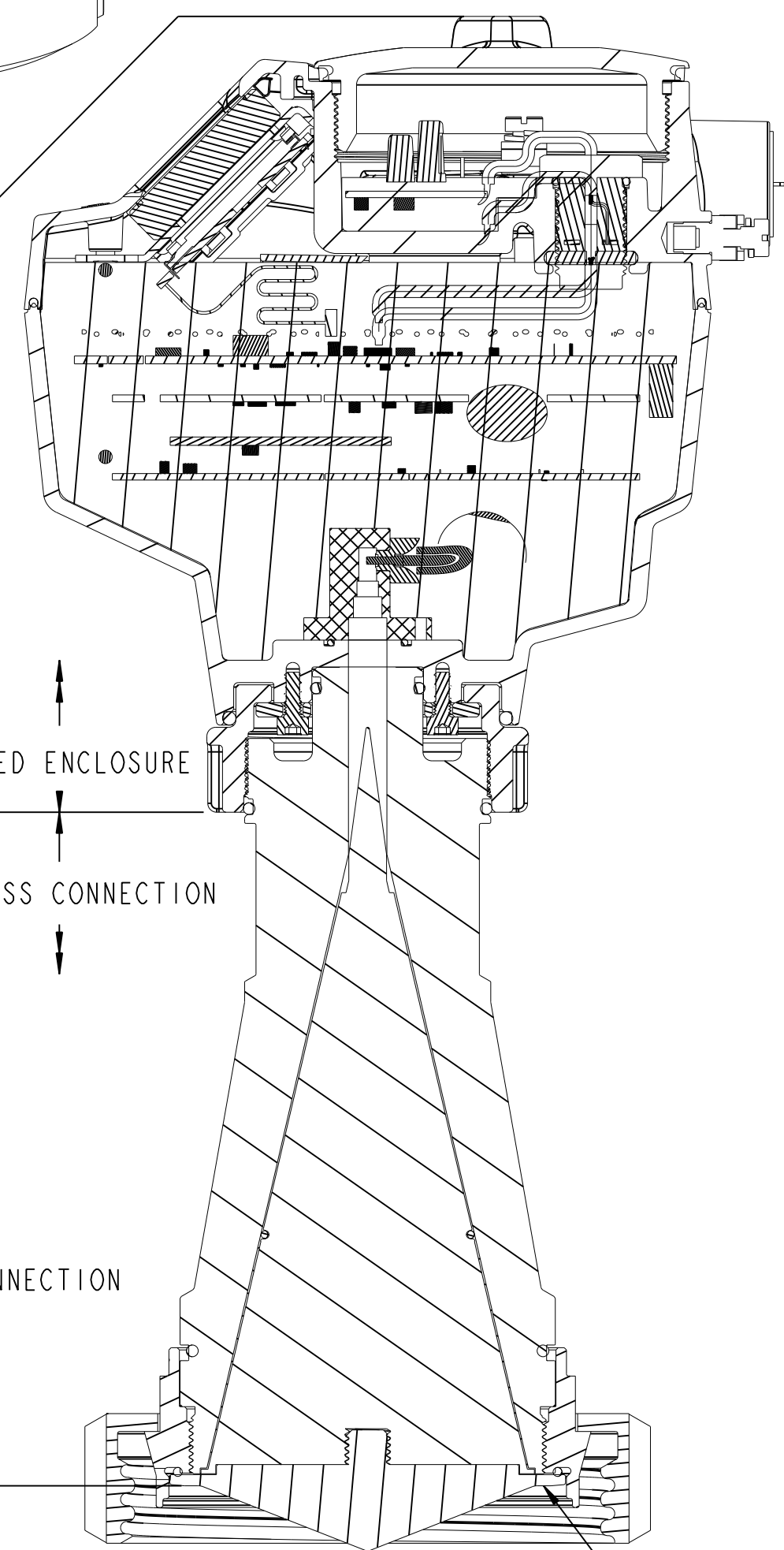
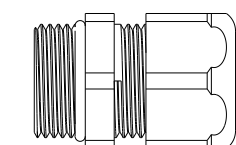


(328.7)

POTTED ENCLOSURE
PROCESS CONNECTION

DIN 11851
DN 100 PROCESS CONNECTION
(SHOWN)

REFERENCE SURFACE
FOR CALIBRATION

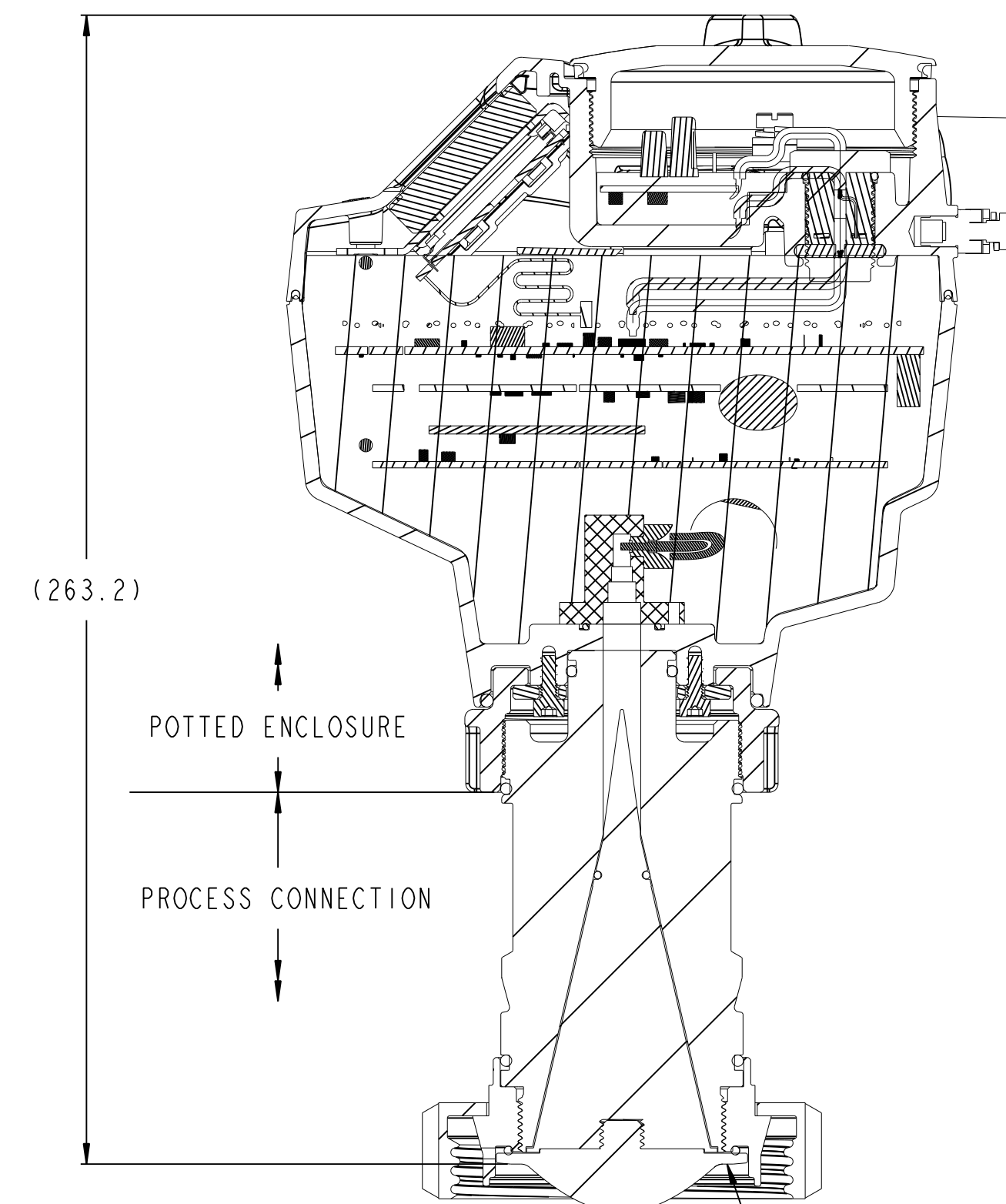
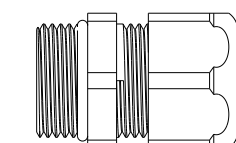


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POTTED ENCLOSURE
PROCESS CONNECTION

DIN 11851
DN 80 PROCESS CONNECTION
(SHOWN)

REFERENCE SURFACE
FOR CALIBRATION

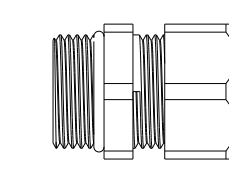


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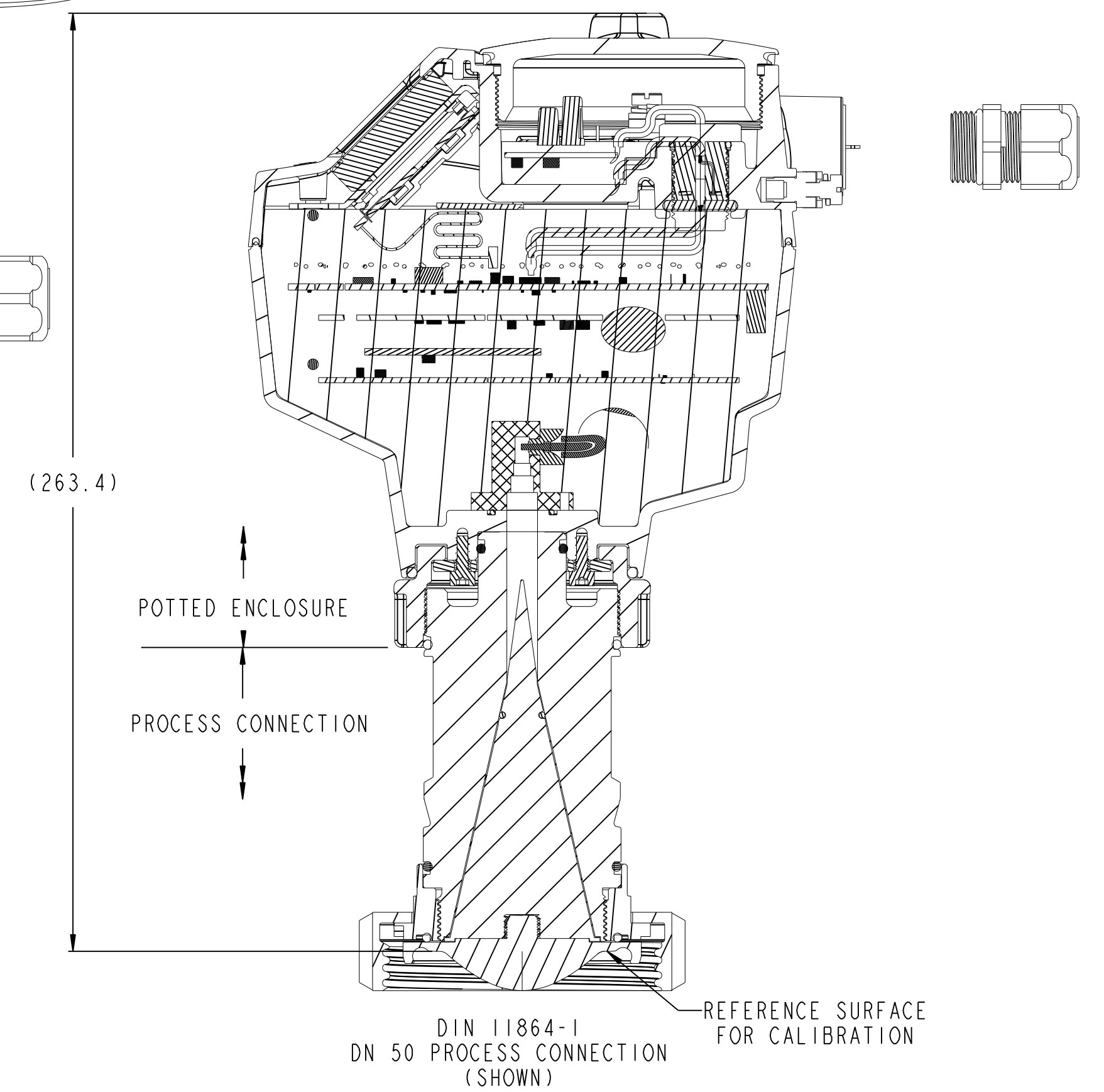
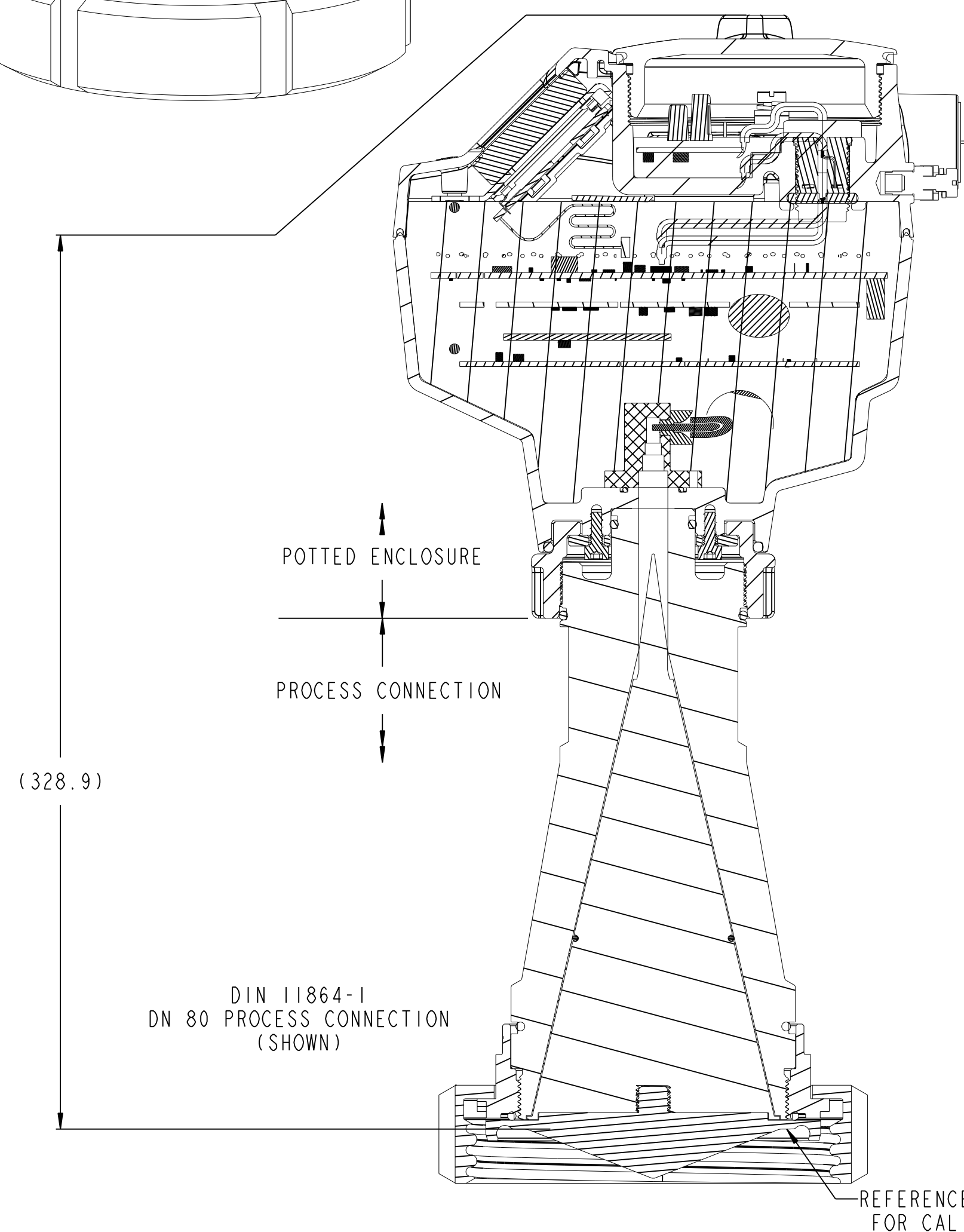
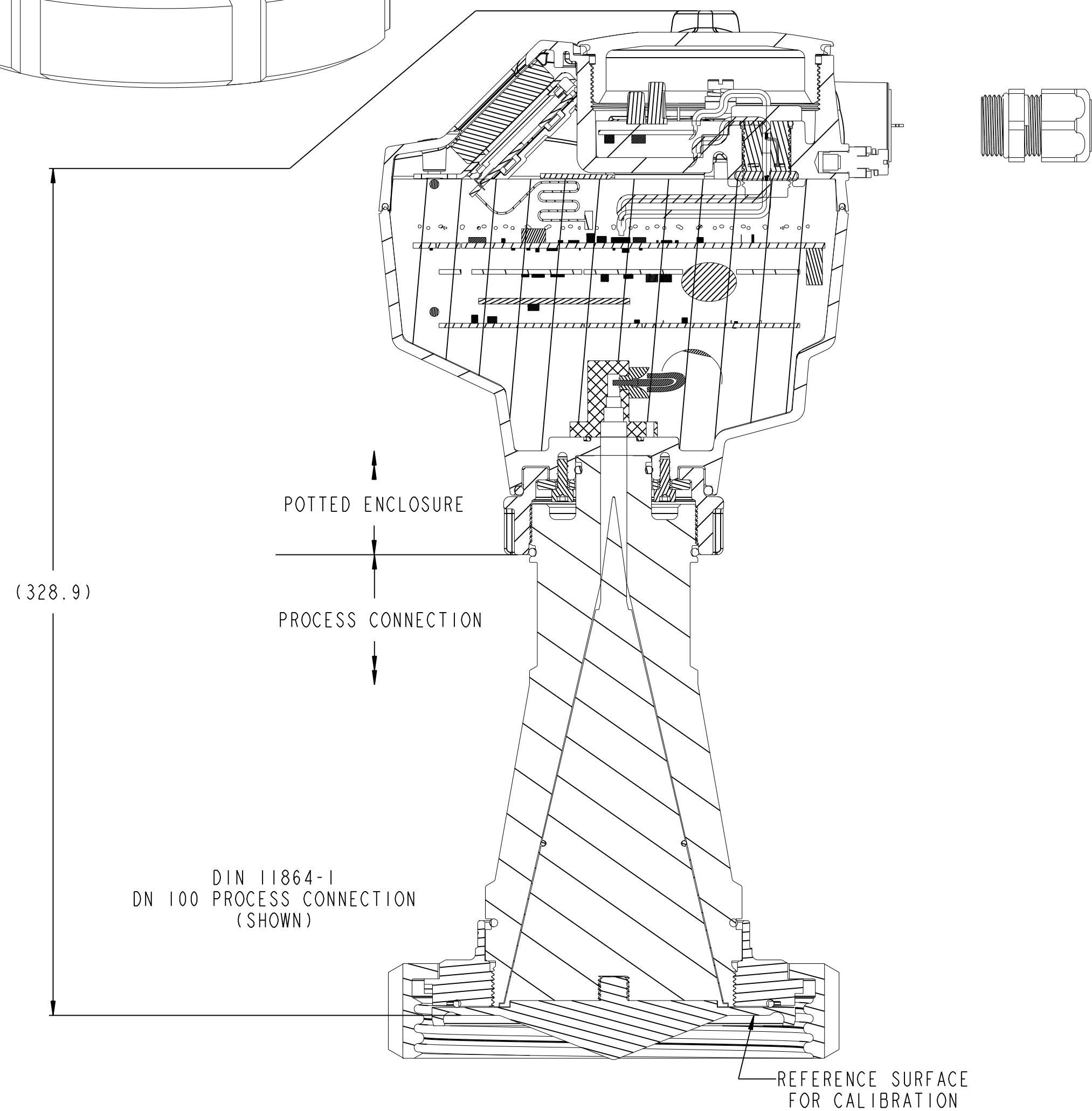
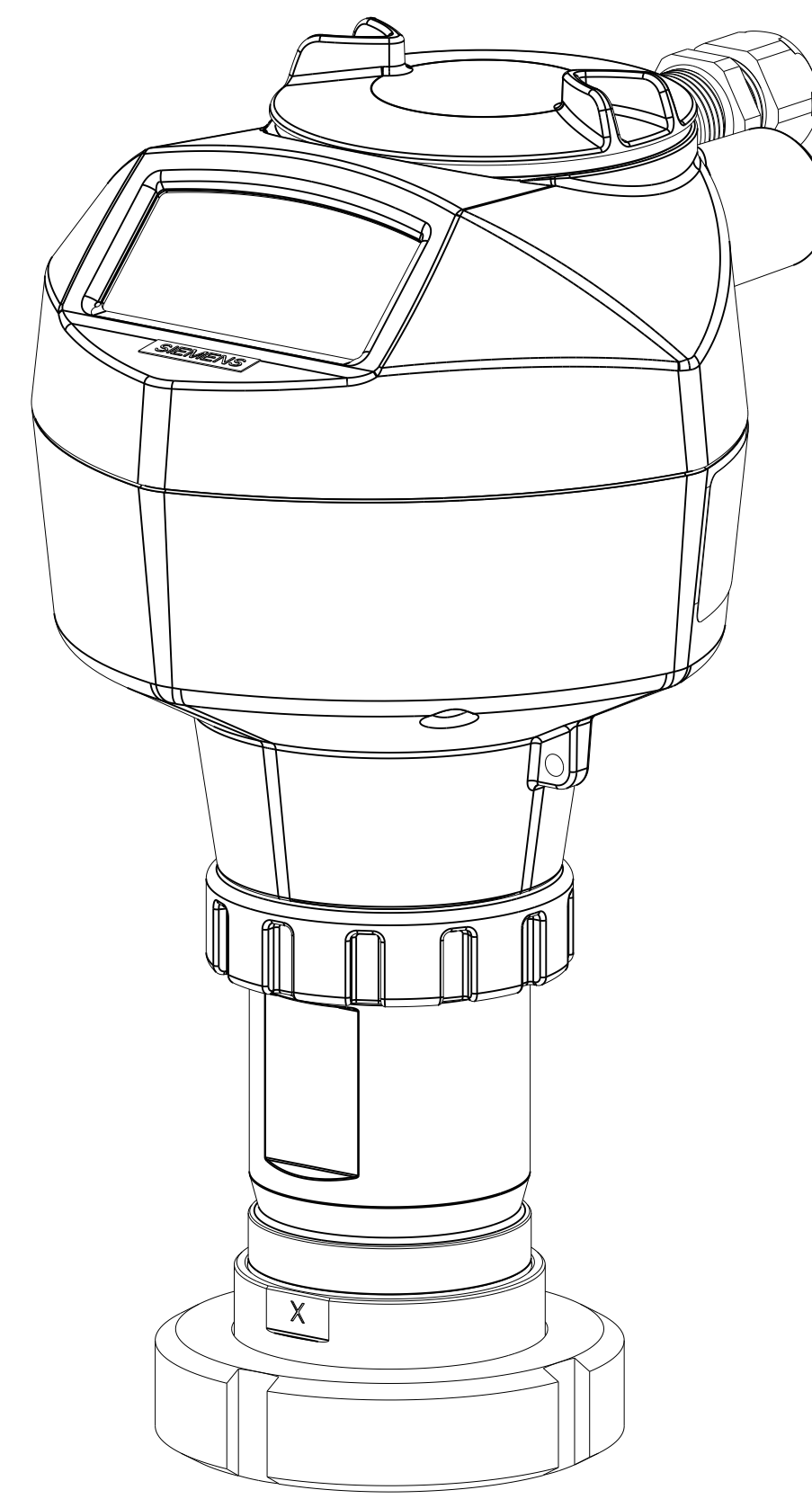
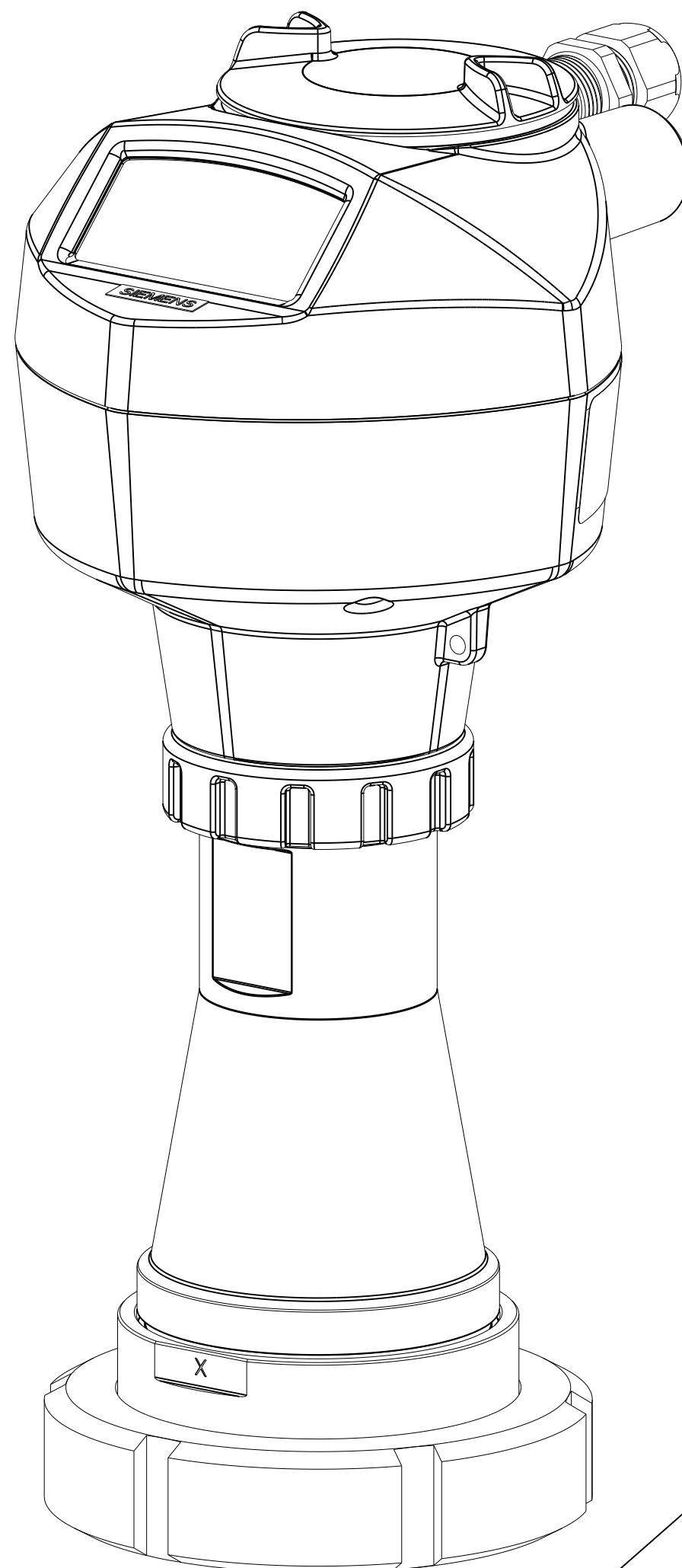
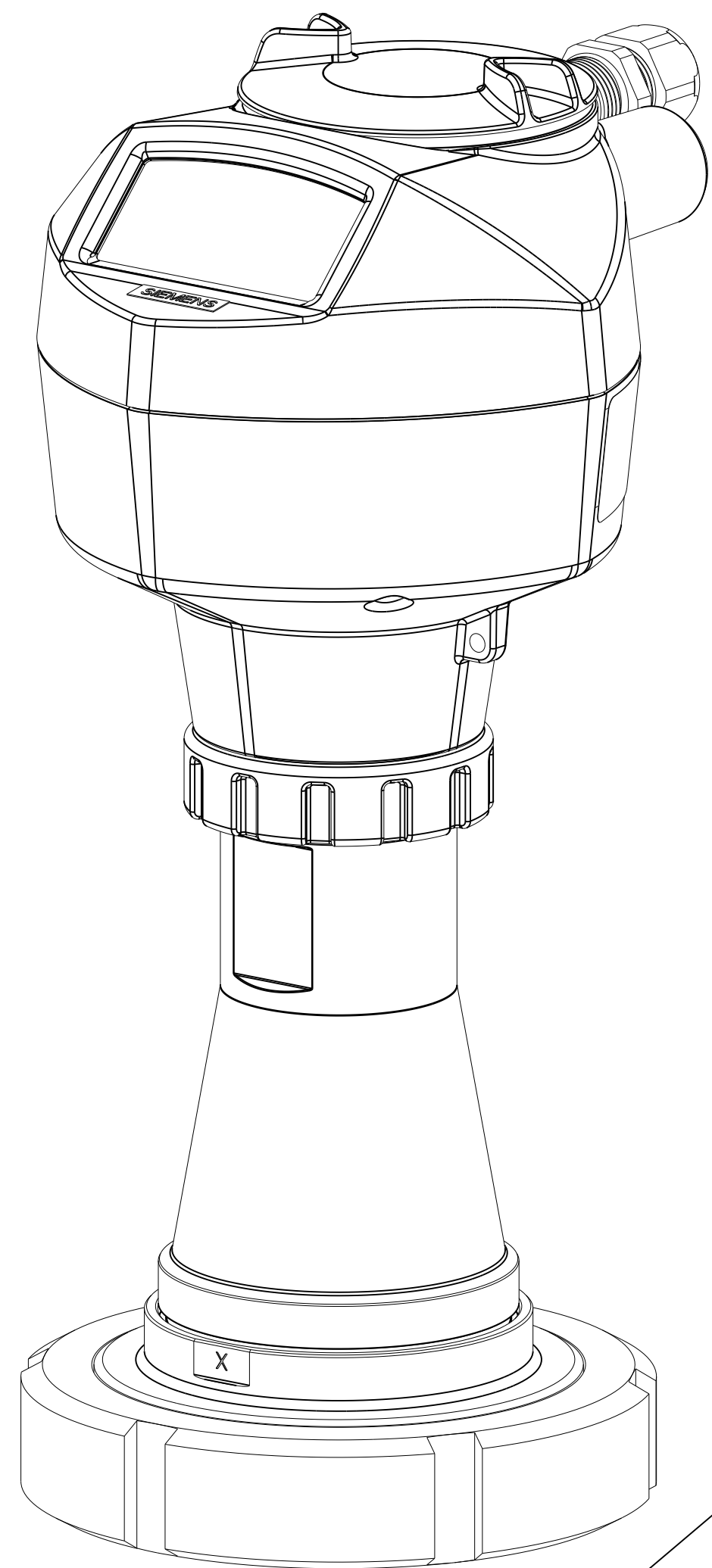
POTTED ENCLOSURE
PROCESS CONNECTION

DIN 11851
DN 50 PROCESS CONNECTION
(SHOWN)

REFERENCE SURFACE
FOR CALIBRATION



DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1	
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description
THIRD ANGLE PROJECTION	PRODUCT: RADAR	TOLERANCES UOS	SCALE
	DATE: 2013-06-28	0 PLC DECIMAL ±0.8	0.8
	DRAWN: ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3	SIZE
	CHECKED: BALJINDER SINGH	2 PLC DECIMAL ±0.10	D
	APPROVED: TED REID	ANGLES ±0.5°	
	LOCATION: PETERBOROUGH	TITLE	
	RESTRICTED	SITRANS LR250	
		25 GHZ PULSE RADAR	
		HYGIENIC ENCAPSULATED ANTENNA	
		DRAWING No	REV
		7ML5433A-DESIGN	02
	FILE No 7ML5433A-DESIGN 02	PLOT AT 1:1	SHEET 3 OF 7

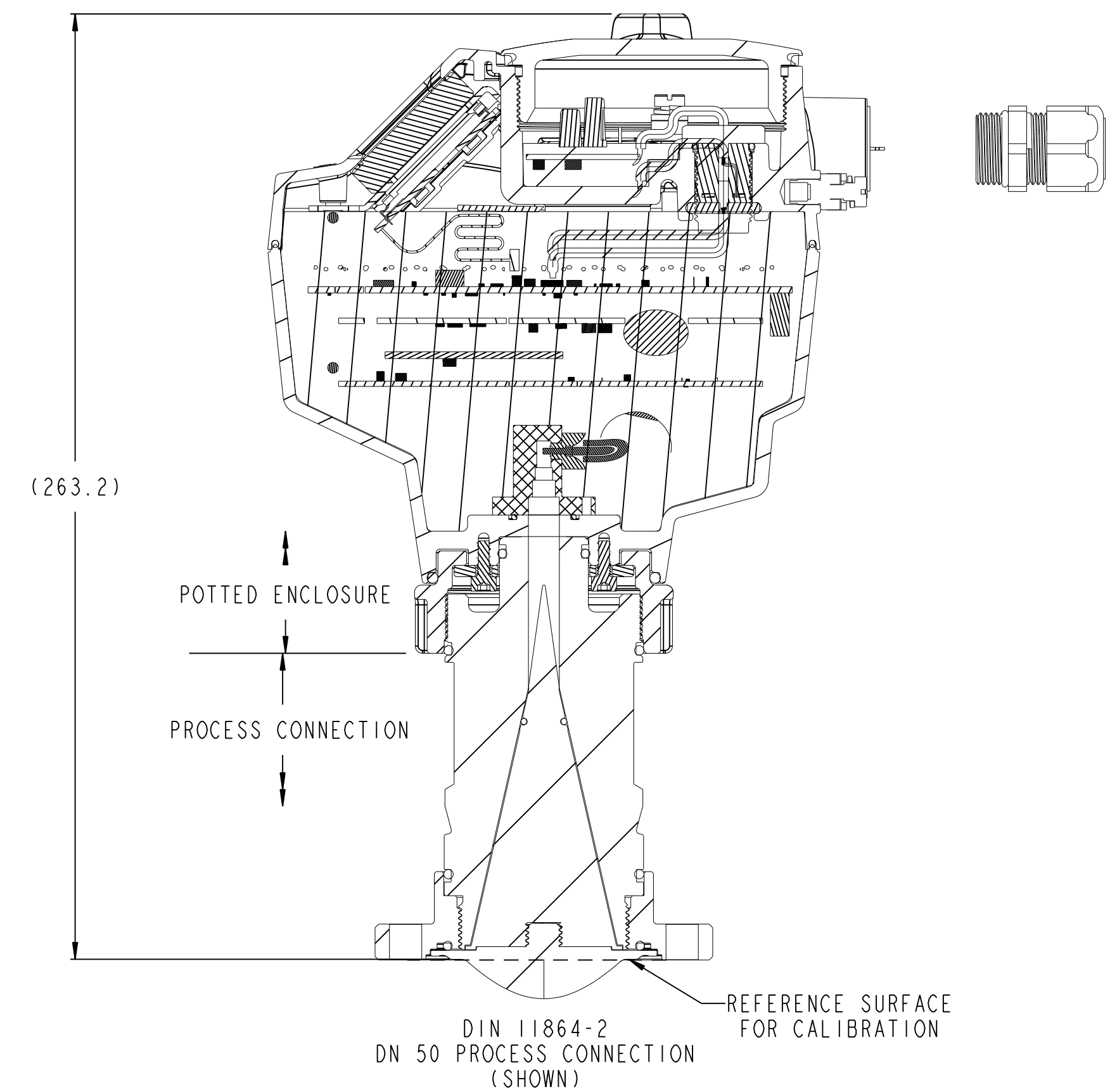
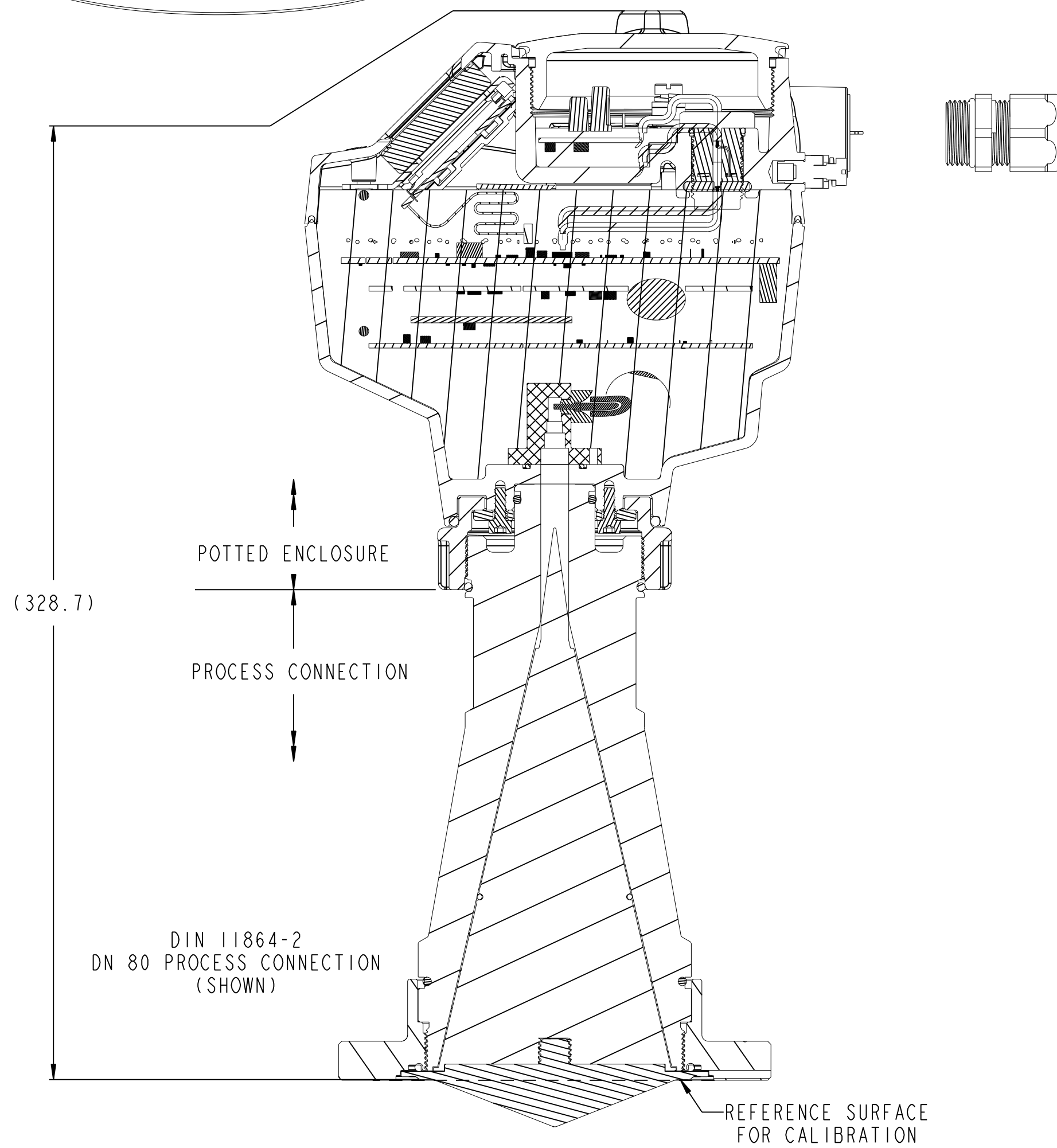
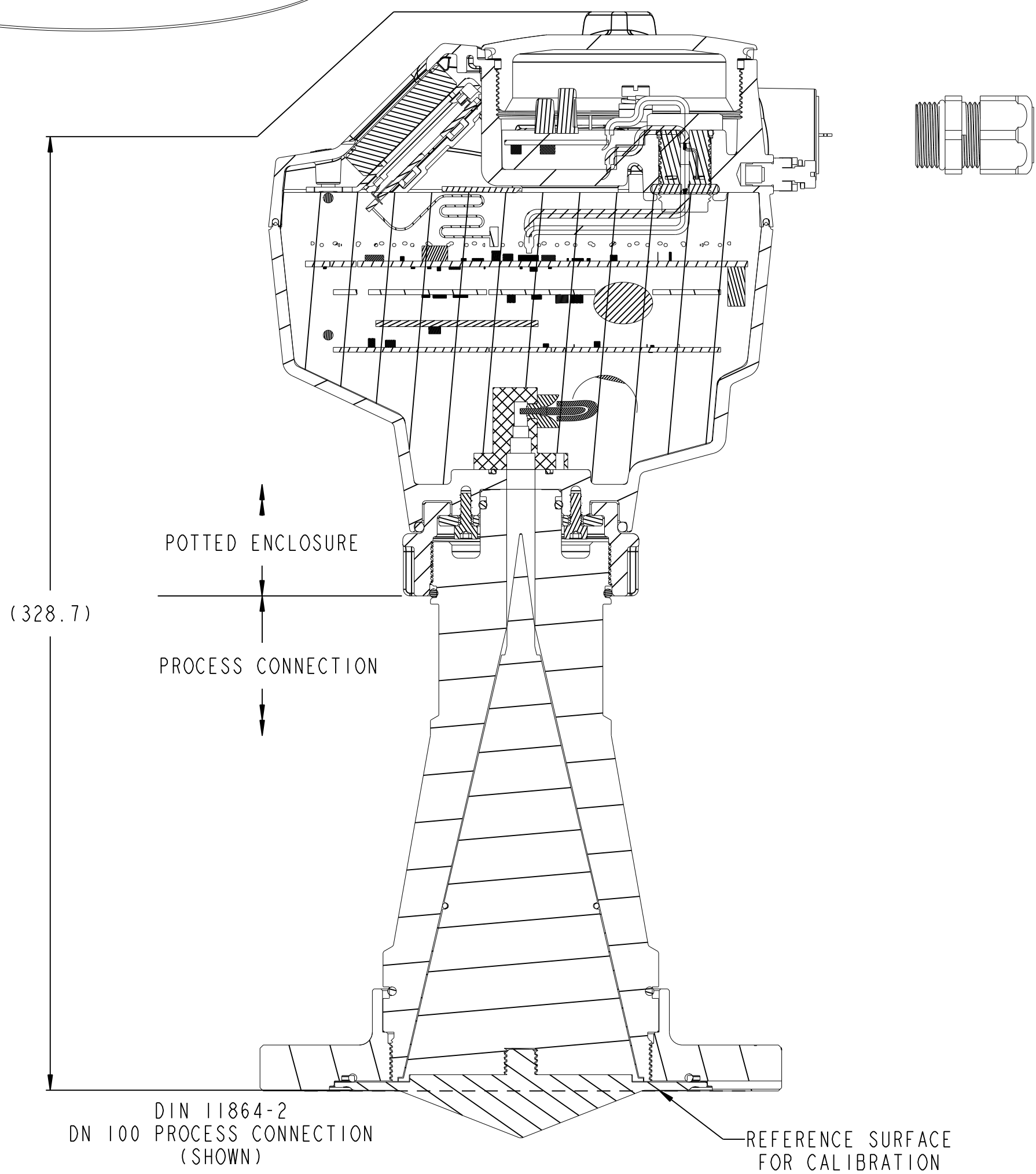
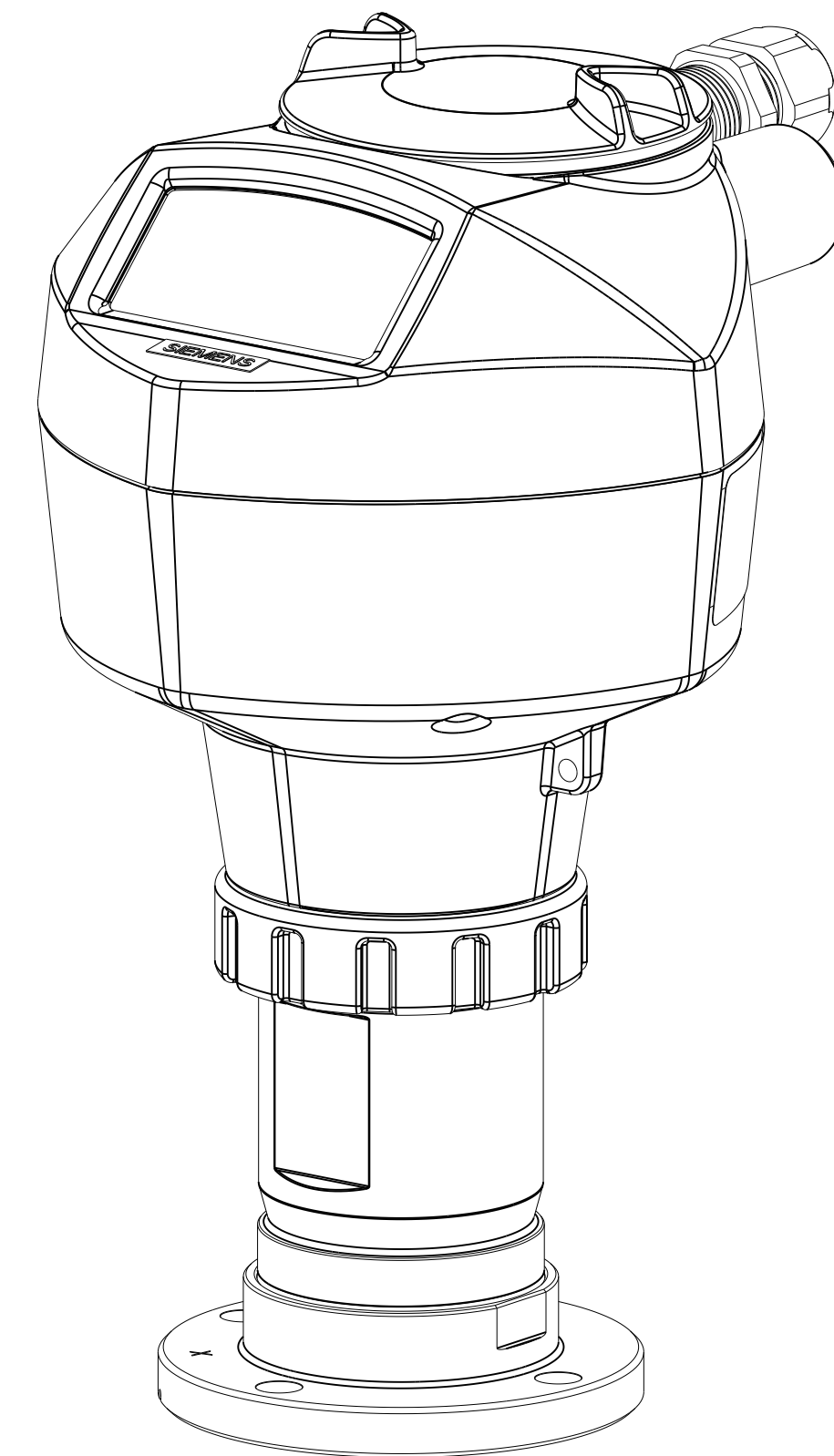
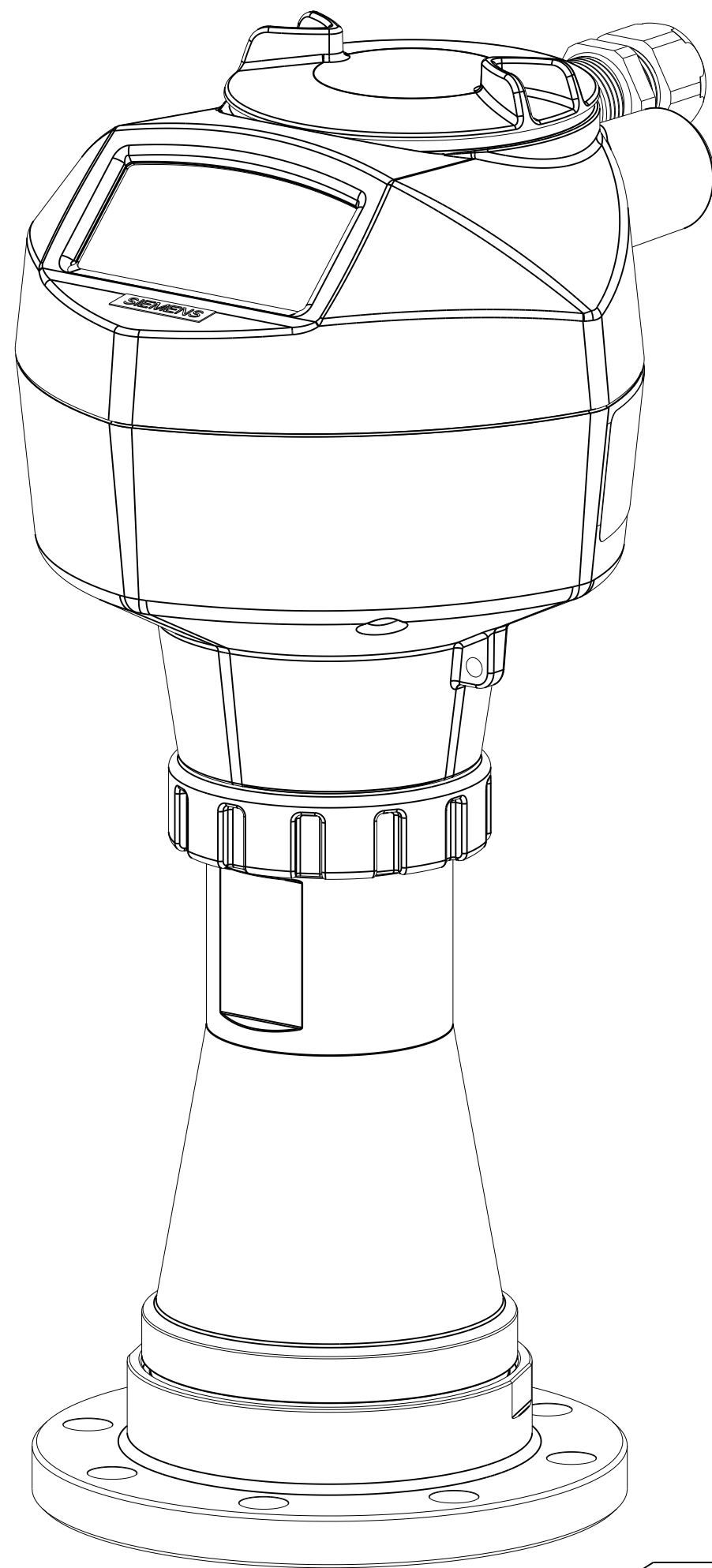
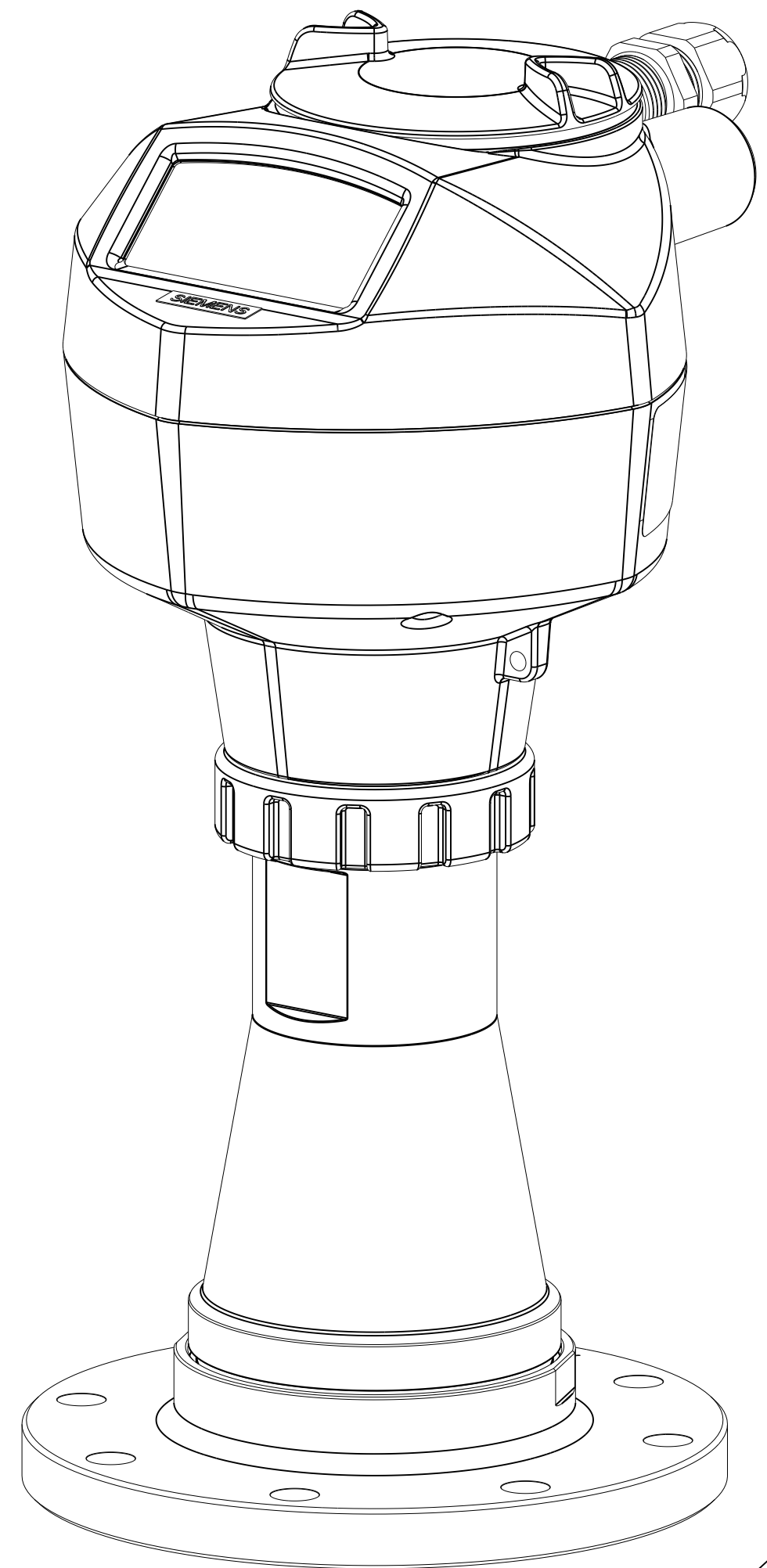


DIN 11864-1
DN 100 PROCESS CONNECTION
(SHOWN)

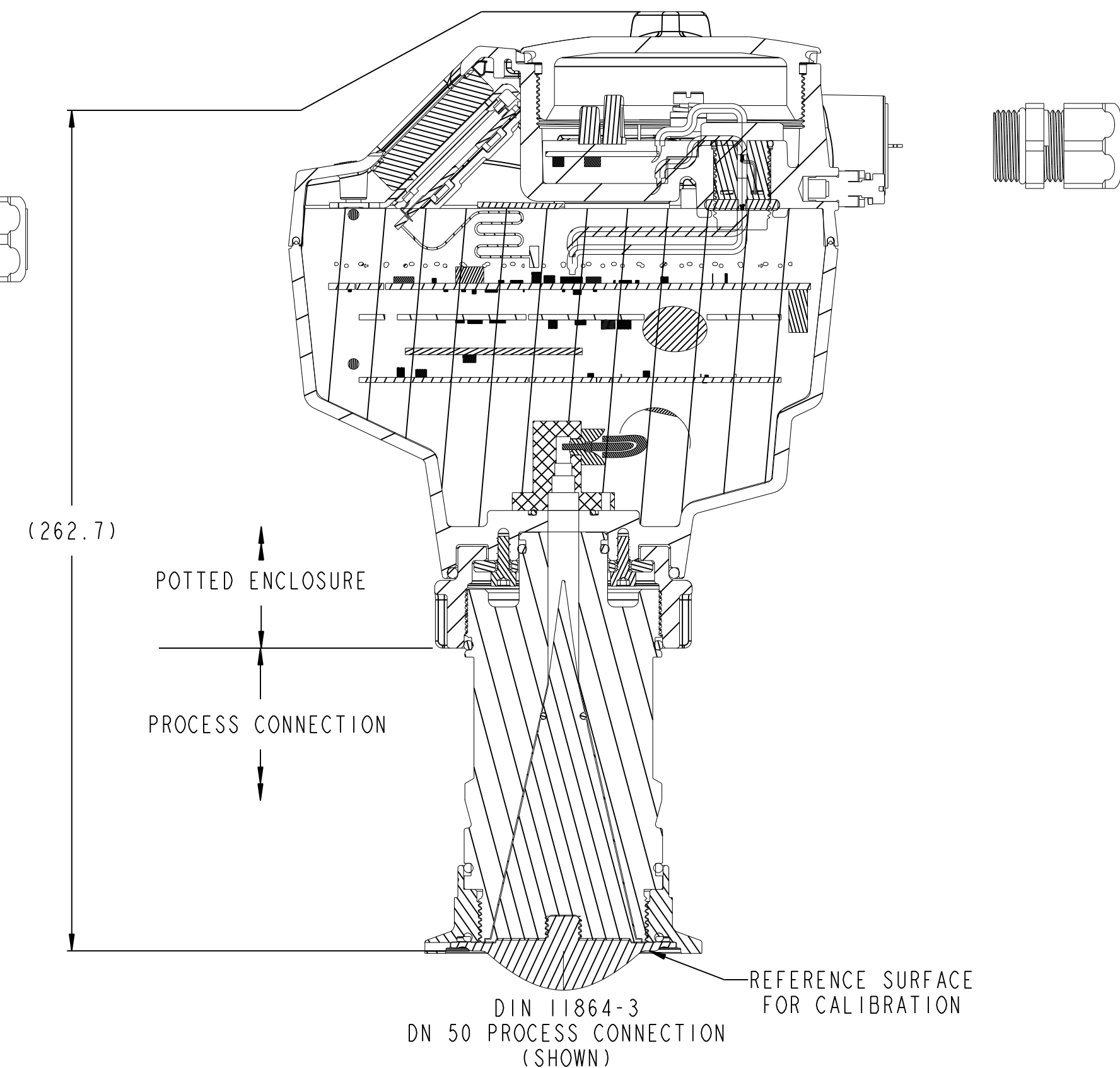
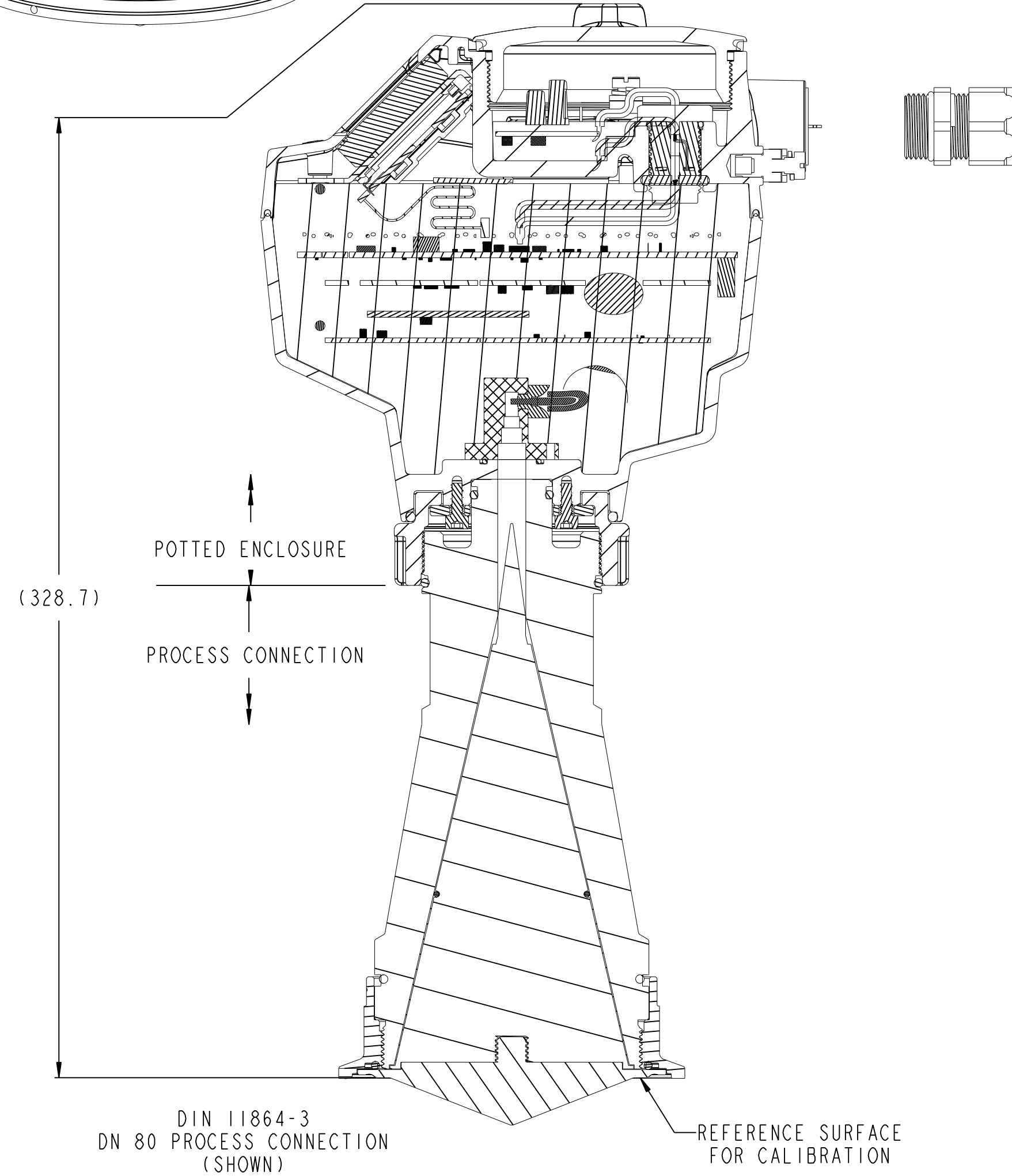
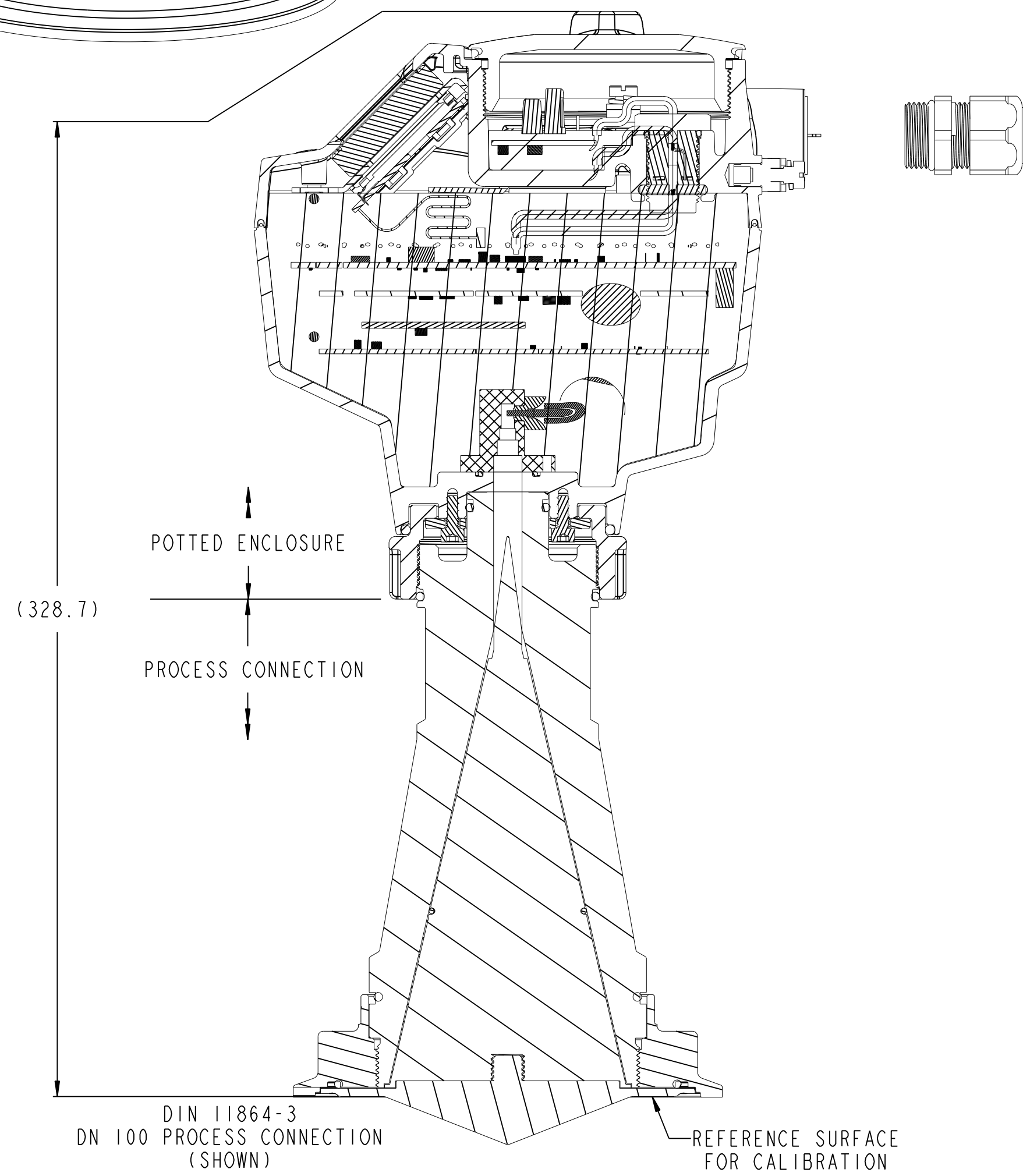
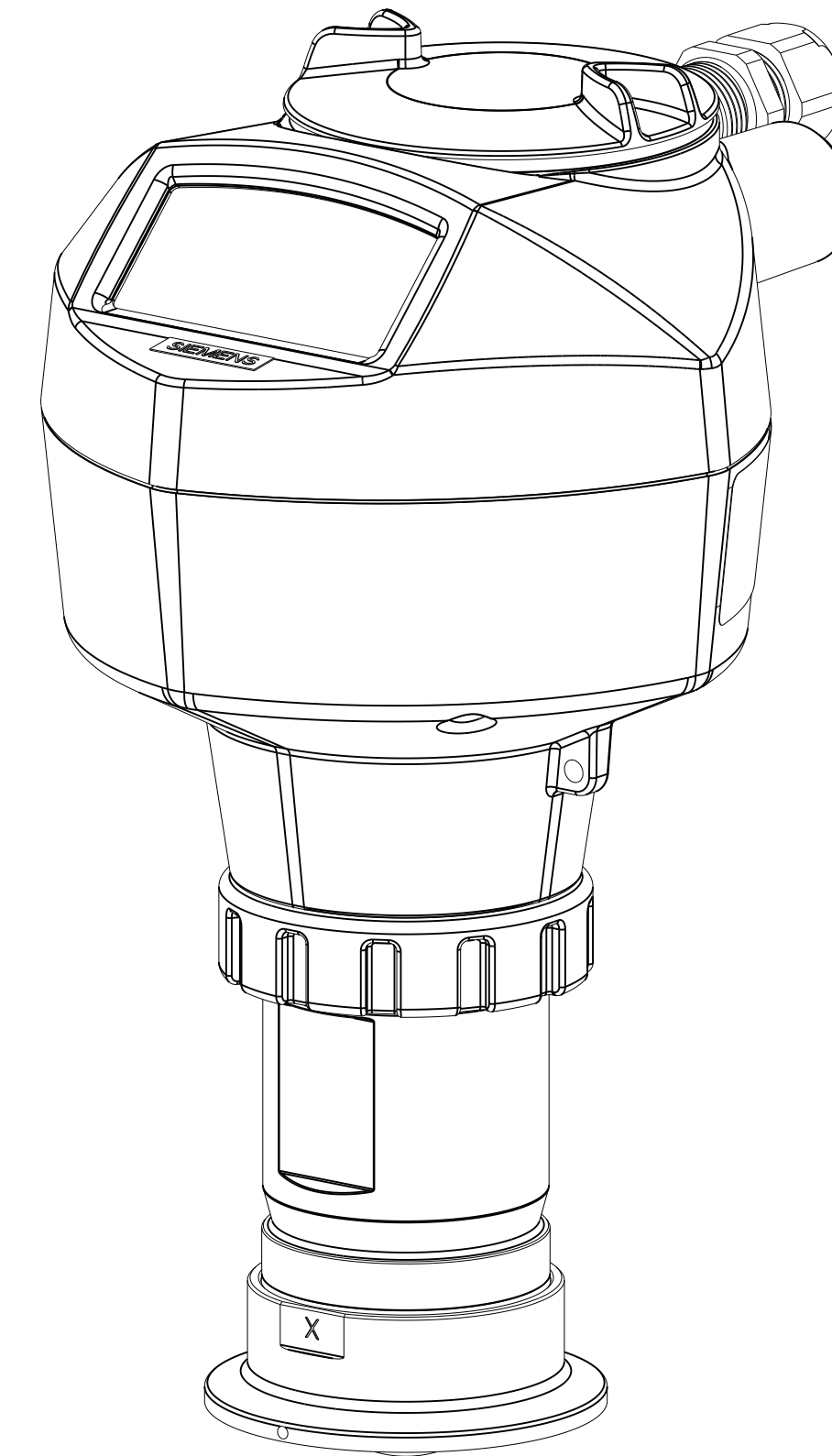
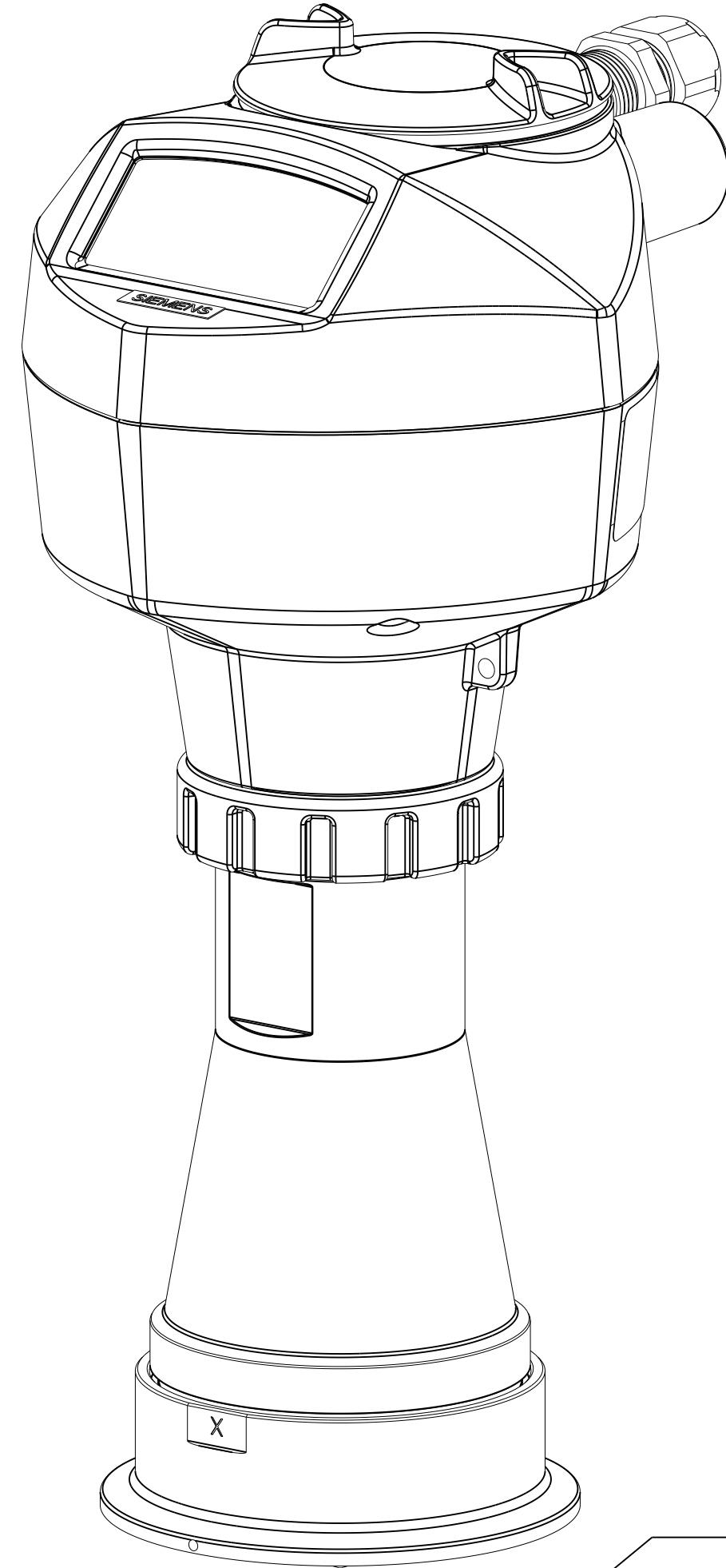
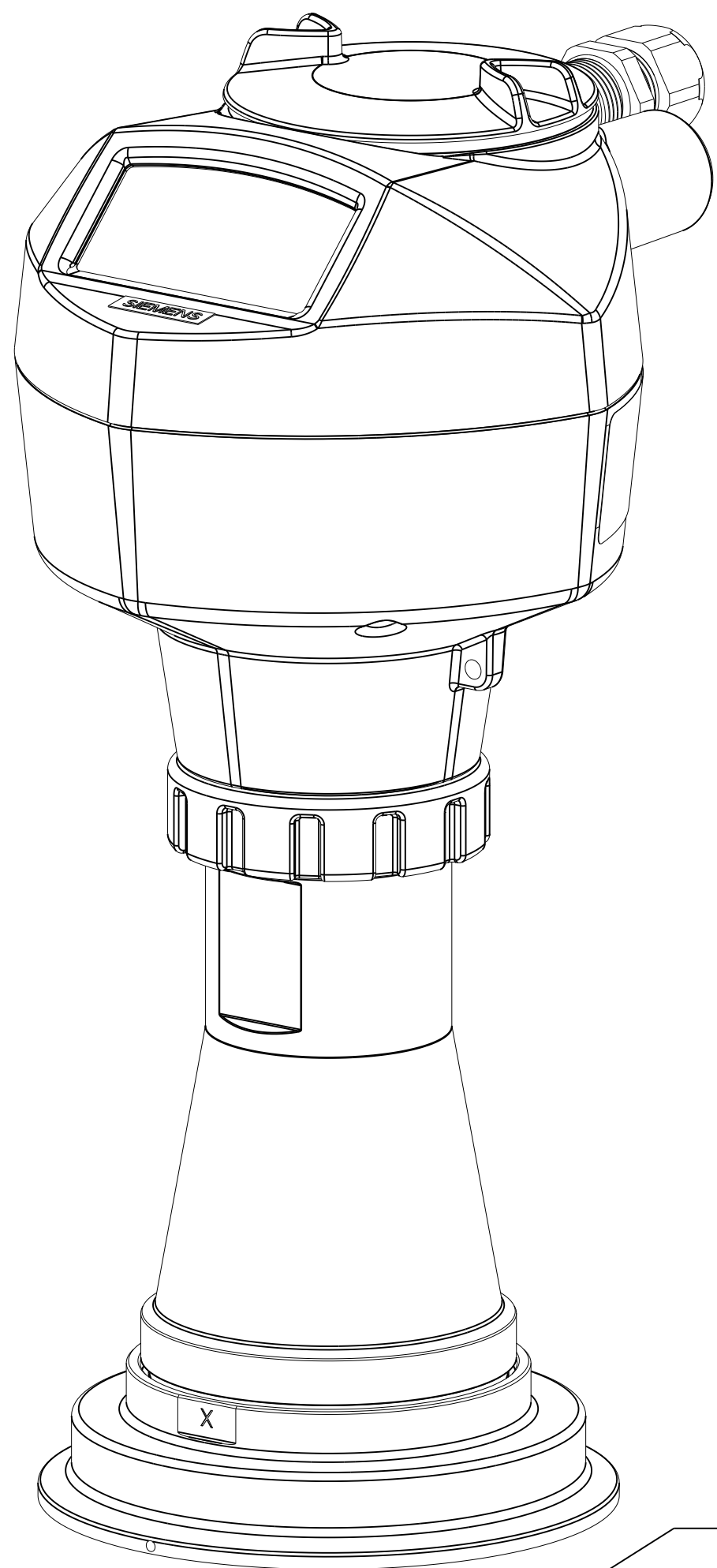
DIN 11864-1
DN 80 PROCESS CONNECTION
(SHOWN)

DIN 11864-1
DN 50 PROCESS CONNECTION
(SHOWN)

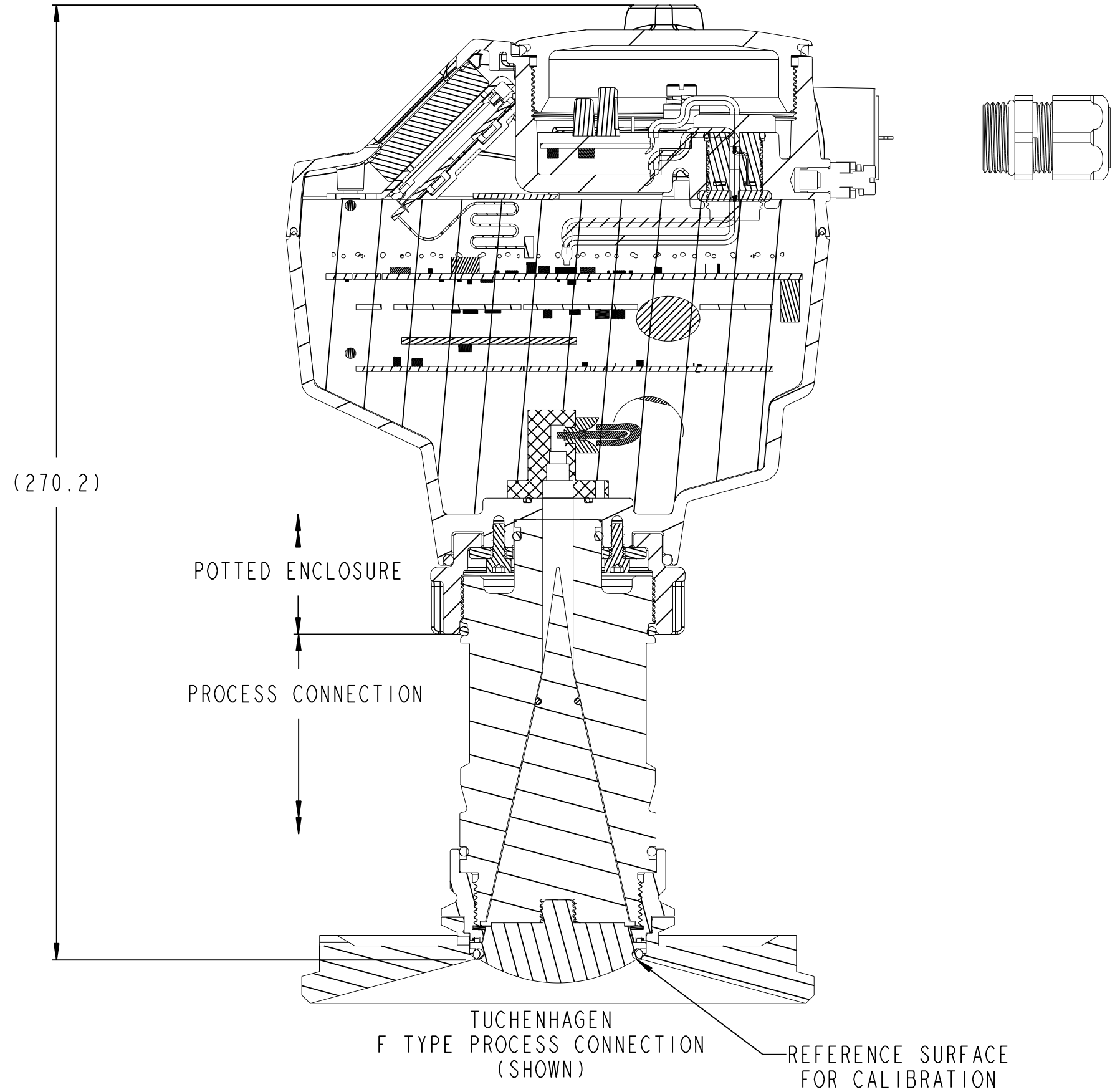
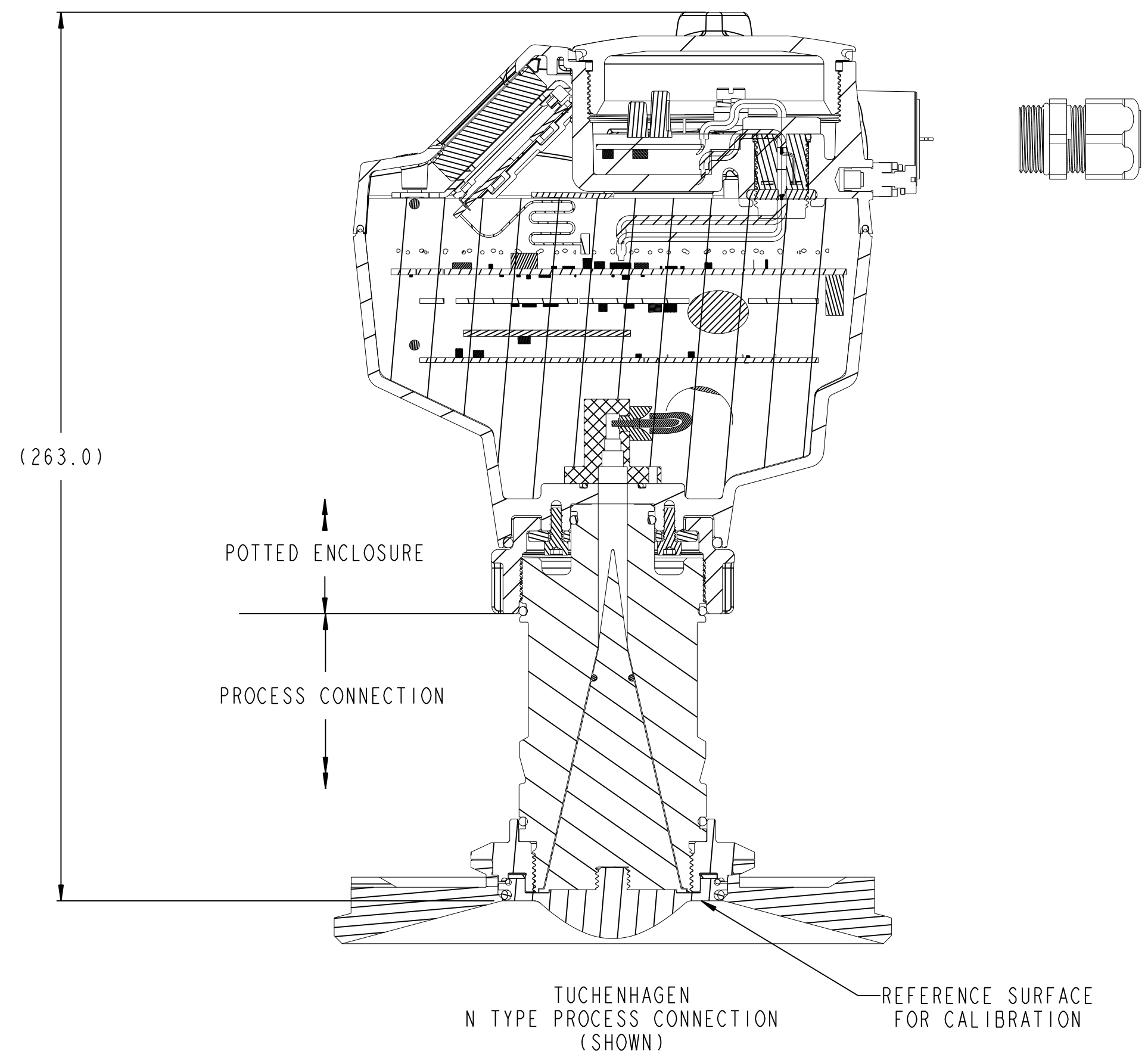
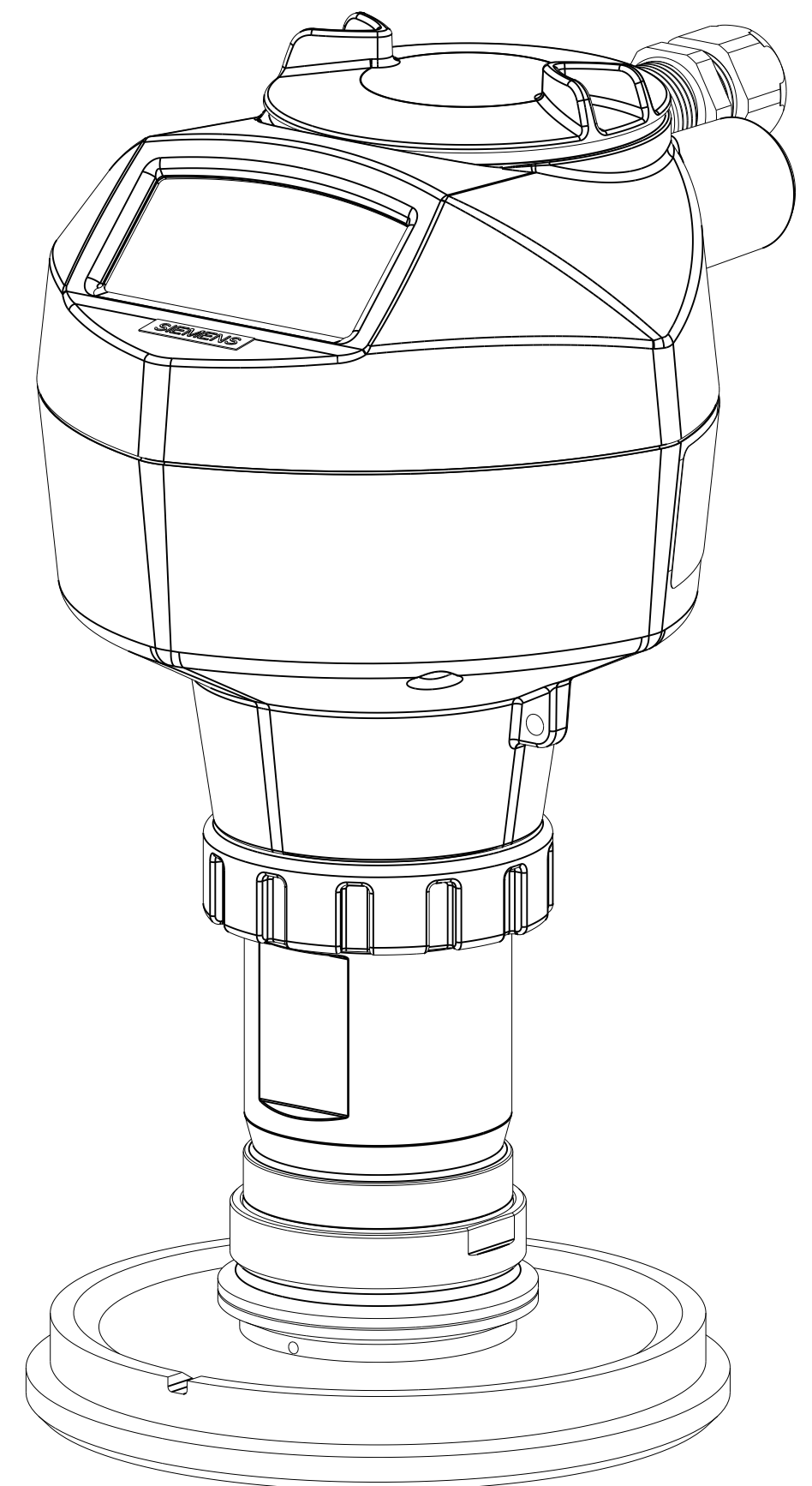
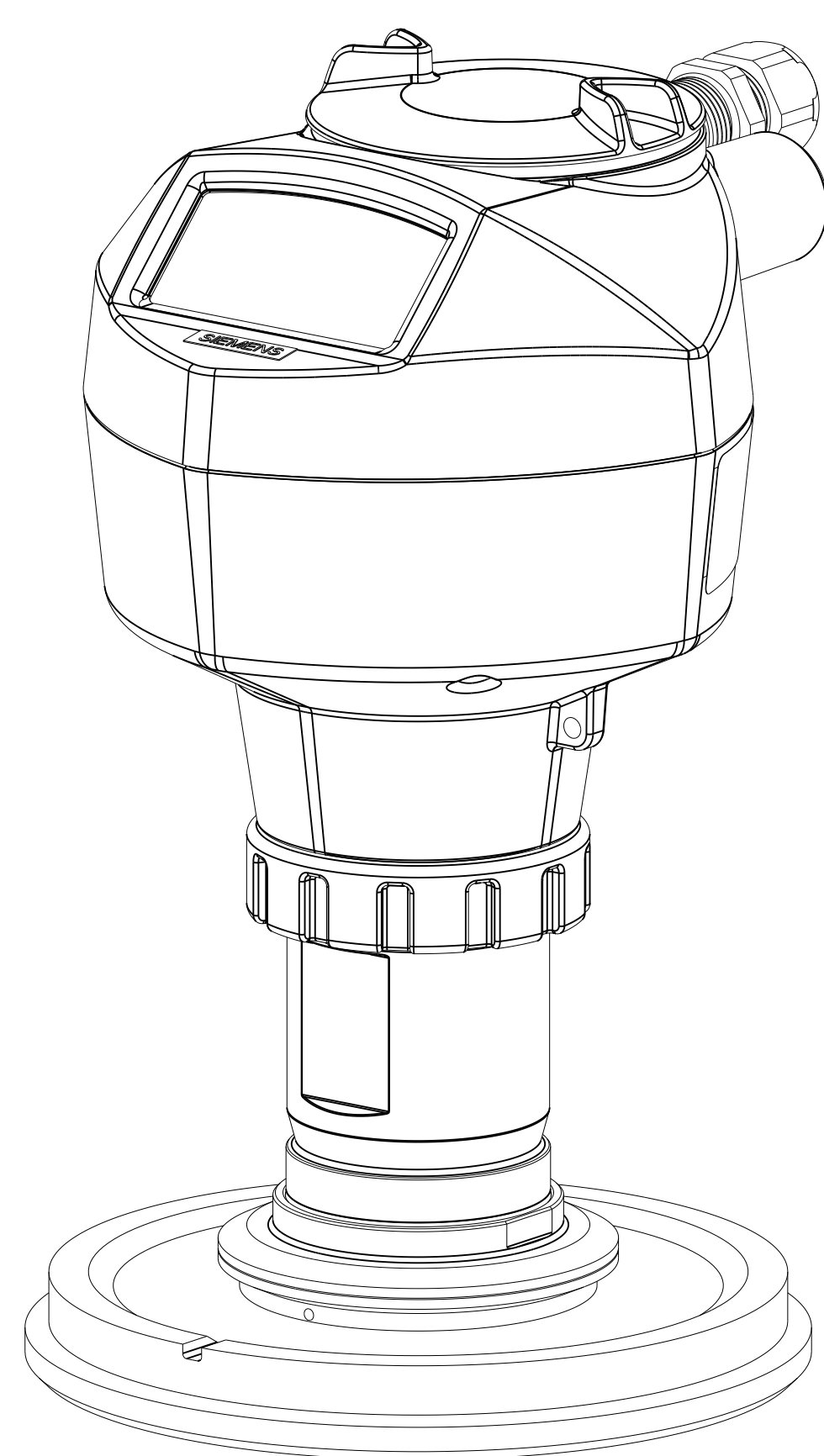
DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1	
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description
THIRD ANGLE PROJECTION		PRODUCT: RADAR	TOLERANCES UOS
		DATE: 2013-06-28	0 PLC DECIMAL ±0.8
SIEMENS CANADA LIMITED SIEMENS MILLTRONICS PROCESS INSTRUMENTS PETERBOROUGH, ONTARIO CANADA		DRAWN: ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3
		CHECKED: BALJINDER SINGH	2 PLC DECIMAL ±0.10
		APPROVED: TED REID	ANGLES ±0.5°
		LOCATION: PETERBOROUGH	TITLE: SITRANS LR250
		RESTRICTED	25 GHZ PULSE RADAR
		FILE No 7ML5433A-DESIGN 02	HYGIENIC ENCAPSULATED ANTENNA
		PLOT AT 1:1	DRAWING No 7ML5433A-DESIGN
		SHEET 4 OF 7	REV 02



DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1	
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description
THIRD ANGLE PROJECTION	PRODUCT GROUP: RADAR	TOLERANCES UOS	SCALE
	DATE: 2013-06-28	0 PLC DECIMAL ±0.8	0.8
	DRAWN: ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3	SIZE
	CHECKED: BALJINDER SINGH	2 PLC DECIMAL ±0.10	D
	APPROVED: TED REID	ANGLES ±0.5°	
	LOCATION: PETERBOROUGH	TITLE	
	RESTRICTED	SITRANS LR250	
		25 GHZ PULSE RADAR	
		HYGIENIC ENCAPSULATED ANTENNA	
		DRAWING No	REV
		7ML5433A-DESIGN	02
	FILE No 7ML5433A-DESIGN 02	PLOT AT 1:1	SHEET 5 OF 7



DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1	
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description
THIRD ANGLE PROJECTION	PRODUCT GROUP: RADAR		TOLERANCES UOS
	DATE: 2013-06-28		0 PLC DECIMAL ±0.8
	DRAWN: ROBERT CHAUHARJASINGH		1 PLC DECIMAL ±0.3
	CHECKED: BALJINDER SINGH		2 PLC DECIMAL ±0.10
	APPROVED: TED REID		ANGLES ±0.5°
	LOCATION: PETERBOROUGH	TITLE	SITRANS LR250
			25 GHZ PULSE RADAR
			HYGIENIC ENCAPSULATED ANTENNA
		DRAWING No	7ML5433A-DESIGN
		REV	02
		FILE No	7ML5433A-DESIGN 02
		PLOT AT 1:1	SHEET 6 OF 7



DIMENSIONS ARE IN MILLIMETERS		SEE SHEET 1			
USE DIMENSIONS ONLY- DO NOT SCALE		Rev	ECO/Description	Drw	Appr
THIRD ANGLE PROJECTION		PRODUCT GROUP: RADAR	TOLERANCES UOS	SCALE	SIZE
		DATE: 2013-06-28	0 PLC DECIMAL ±0.8	0.8	D
SIEMENS CANADA LIMITED		DRAWN: ROBERT CHAUHARJASINGH	1 PLC DECIMAL ±0.3		
SIEMENS MILLTRONICS		CHECKED: BALJINDER SINGH	2 PLC DECIMAL ±0.10		
PROCESS INSTRUMENTS		APPROVED: TED REID	ANGLES ±0.5°		
PETERBOROUGH, ONTARIO CANADA		LOCATION: PETERBOROUGH	TITLE		
RESTRICTED		FILE No 7ML5433A-DESIGN 02	SITRANS LR250		
			25 GHZ PULSE RADAR		
			HYGIENIC ENCAPSULATED ANTENNA		
			DRAWING No	REV	
			7ML5433A-DESIGN	02	
			PLOT AT 1:1	SHEET 7 OF 7	