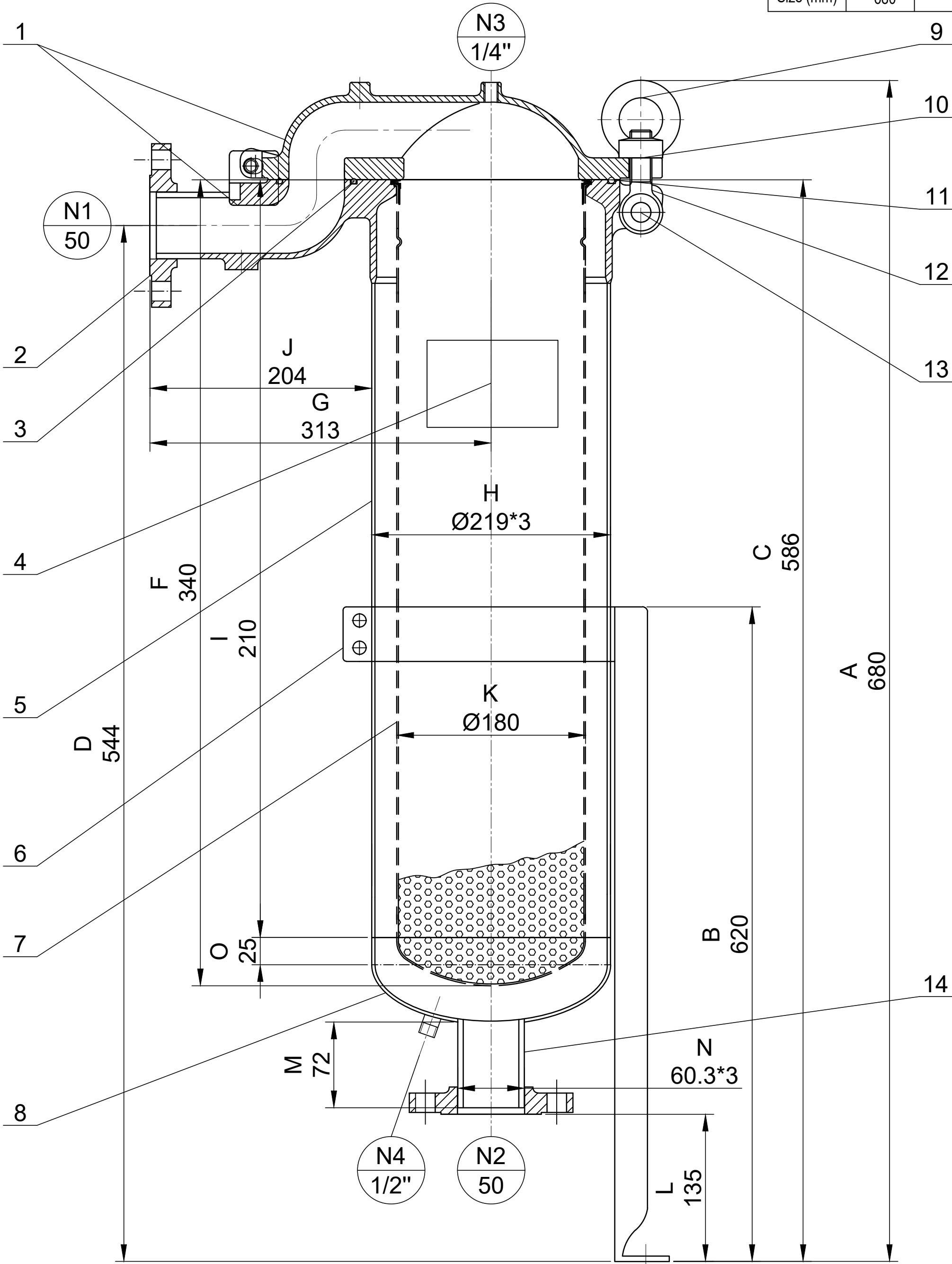
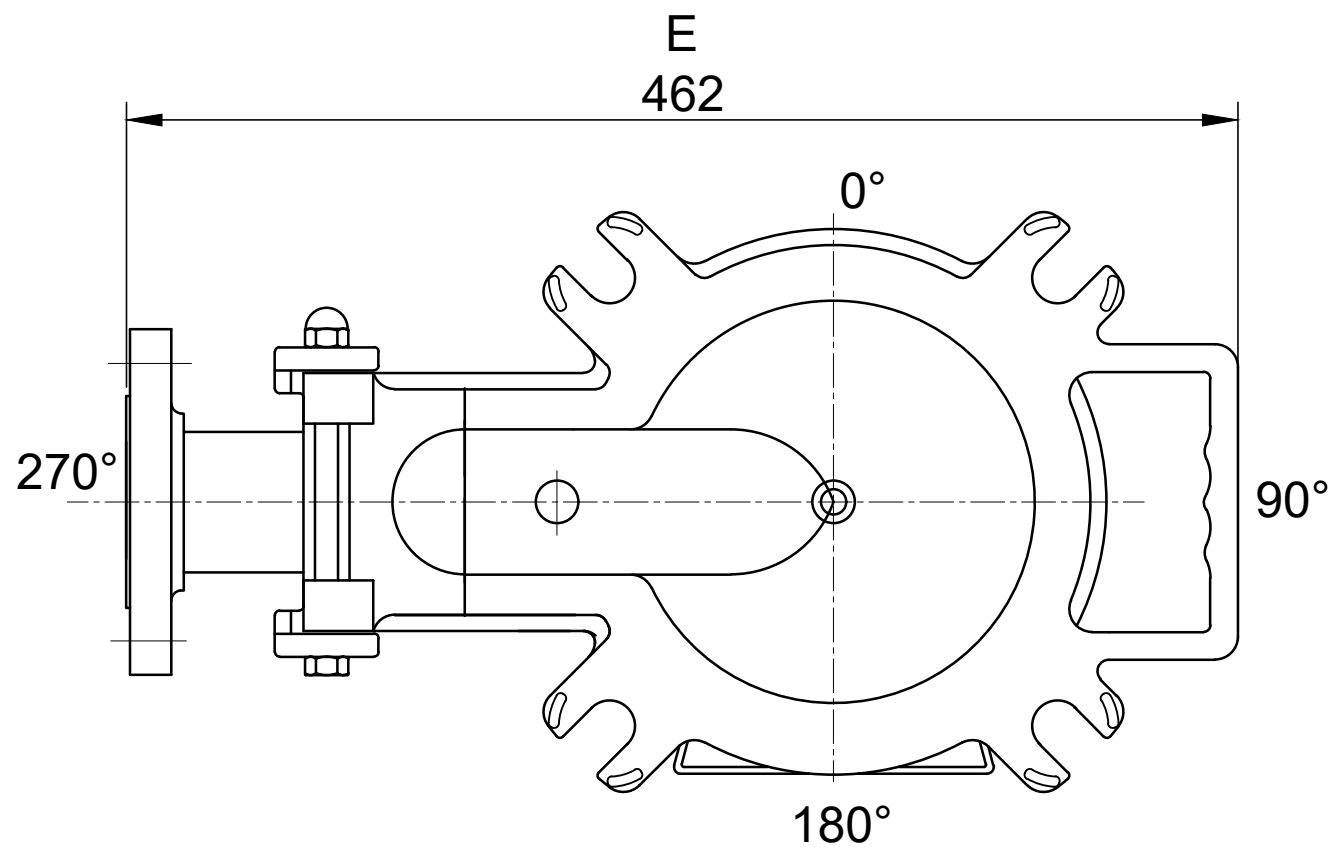


EQP CODE CF-TBF0101-SS316L-CF1-DN50 FLG

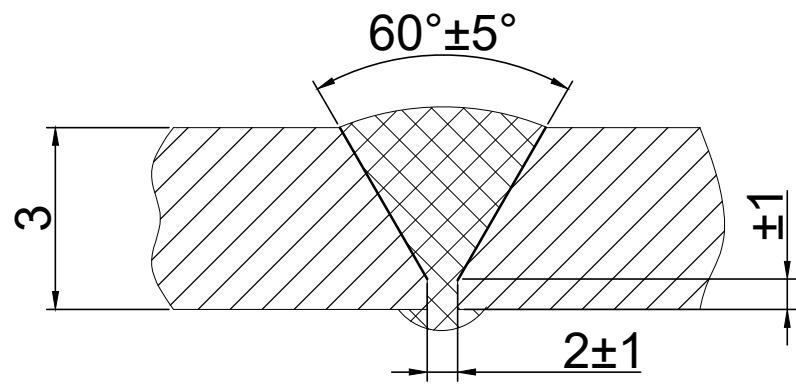
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Size (inch)	26.8	24.4	23.1	21.4	18.2	13.4	12.3	8.62	8.27	8.03	7.09	5.31	2.84	2.37	0.98
Size (mm)	680	620	586	544	462	340	313	219	210	204	180	135	72	60.3	25



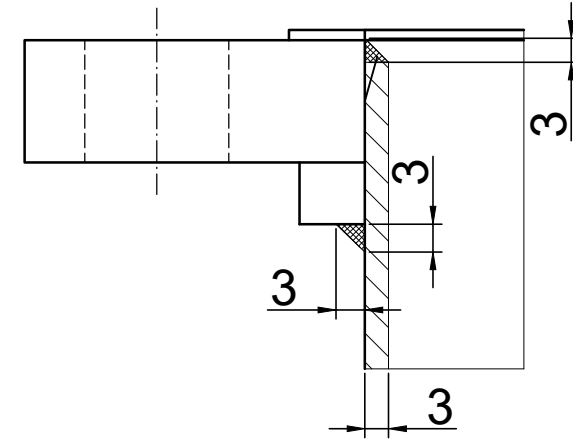
TOP VIEW



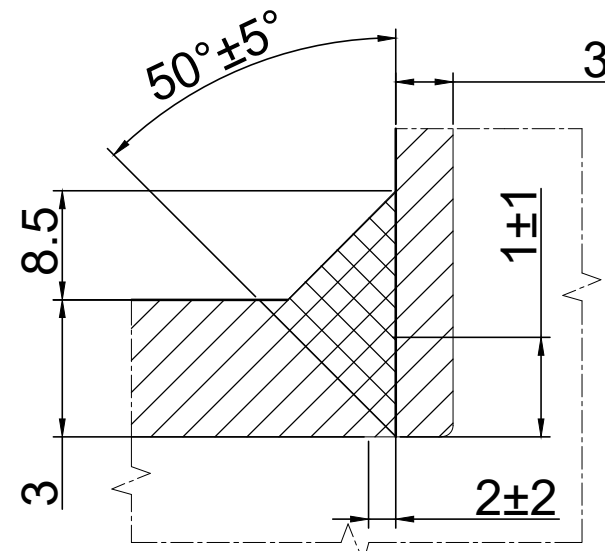
A, B class welded joint joint diagram
Not to scale



Joints welded with flanges
Nozzle to Flange



D type radial welded joint diagram
Not to scale



Technical Requirement:

- Dimensions on drawings are labeled by metric.
- The vessel is welded per qualified WPS, and all butt weld joints are required full-penetration.
- All heights of fillet weldings unmarked are the wall thickness of the thinner of the two weldments.
- Tolerance for formed shell complys with UG-80 and for formed head complys with UG-81.
- In addition to the special equipment, the manufacturing inspection dimension tolerance is carried out according to ISO 2768-1 requirements.
- Bearing and nozzle orientation according to the figure.
- Nozzle exposed inside edges shall be rounded 2 mm at least.
- Safety attachments are protected by UG-140 (b) by the user through the combination of the system design and the release device.
- Controlling chloride ion content can be not more than 25mg/L in hydrostatic test. The final pressure test shall be held for a minimurof 30 minute, after completion of the hydrostatic test, the vessel shall be drained, dried as quickly as practicable.
- The outer surface of the stainless steel is subjected to shot blasting treatment.
- The suitability of ASME material and the screw need Particular Material Appraisalsl (PMA) for pressure parts at the desian status.
- The material certificate shall take the form of a 3.1/3.2 certificate in accordance with EN10204 for the pressure parts.
- The welder shall be qualified by notified body as per ISO 9606-1/ISO 14732.

DESIGN DATA SHEET

DESIGN, MANUFACTURING INSPECTION AND ACCEPTANCE SPECIFICATIONS AND STANDARDS		1. ASME SEC.VIII-1:2023 2. PED 2014/68/EU	
PED Category	II	PED Module	A2
Design Pressure (Bar)	10	Working Pressure (Bar)	8
Design Temp. (°C)	-25-160	Working Temp. (°C)	60
Volume (L)	21	Flow Rate (m³/h)	20
Fluid/Group	Water	Fluid Toxicity	/
Fluid Density (kg/m³)	1000	Fluid Expolison Hazard	/
Corrosion Allowance (mm)	2	Joint Effcy	1.0
Outside Treat't	Sand Blast	Inside Treat't	/
Hydoro'c Test (Bar)	15.6	Pneun'c Test (Bar)	/
Impact Test	/	Heat Treat't	No
WPOQ	EN ISO 15614-1, EN ISO 9606-1, EN 10204 3.1/3.2		
Filter Element	#1	QTY PCS	1
Net Mass (kg)	39.2	Gross Mass (kg)	49.2
Remarks	CTN Size(mm): 900*400*400		

NON-DESTRUCTIVE TESTING

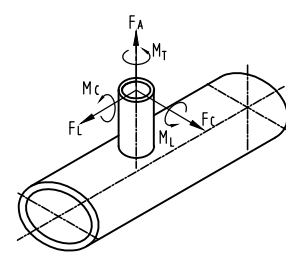
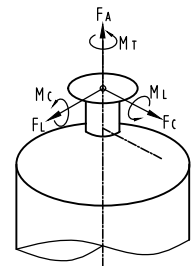
Types of Weld Joints	Method-Detection Rate	Test Ratio	Qualification Grade
Vessel	A	RT	Full
	B	RT	Full
	C、D	MT/PT	Full
			ASME VIII-1 UW-51
			ASME VIII-1 UW-51
			ASME VIII-1 Mandatory Appendix 6/8

NOZZLE DATA

NO.	NOM. Size (DN)	NOM. P. (PN)	Connection Standard	Flange Type	Face Type	Usage	Extended Ht. (mm)	Note
N1	50	16	EN 1092	SOP	RF	Inlet	204	
N2	50	16	EN 1092	SOP	RF	Outlet	80	
N3	1/4"		AISI/ASME B1.20.1		Female Thread	Vent	18	
N4	1/2"		AISI/ASME B1.20.1		Female Thread	Drain	30	

NOZZLE LOADING TABLE

Nozzle	DN	Force (N)			Forcement (N·m)		
		F _L	F _C	F _A	M _F	M _L	M _C
N1	2"	1200	900	1200	180	156	120
N2	2"	1200	900	1200	180	156	120



-14	EN 10216-2-2002	Pipe O.D 60.3x3 L=72	1	1.4404		0.34	
-13		Retainer Pin	1	1.4404	0.1	0.4	
-12	DIN 444-2017	Eyebolt M20x85	4	1.4404	0.28	1.12	
-11	DIN 3771-1993	O-ring I.D 215x5.7	1	NBR/EPDM		0.02	
-10	EN 7089-2000	Washer	4	1.4404	0.005	0.02	
-9	DIN 582-2024	Eyenuit M20	4	1.4404	0.29	1.16	
-8	DIN 28013-2012	EHB Head O.D 219x3(2.5) H=70	1	1.4404		2.05	
-7		Restrainer Basket L=340	1	1.4404		1.2	
-6		Leg L=620	1	1.4404		1.35	
-5	EN 10216-2-2002	Shell O.D 219x3(2.5) H=210	1	1.4404		5	
-4		Nameplate	1	1.4404		0.06	
-3	DIN 3771-1993	O-ring I.D 63x5	1	NBR/EPDM		0.005	
-2	EN 1092-1-2018	Flange DN50-PN16 RF Type01B1	2	1.4404	2.7	5.4	
-1		Cover and Base	1	1.4404		21.4	
NO.	PART DWG NO. STAND. NO.	DESIGNATION	QTY	MATERIAL	SINGLE MASS (KG)	TOTAL	NOTE

REV. NO.	MARK	NUMBERS	DESIGN	CHECK	APPROVAL	DATE
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CleverFilter

CUSTOMER INFO.		DESIGN	W.L	2025/05/06	ASSEMBLY DIAGRAM	CF-TBF0101-SS316L-CF1-DN50 FLG			
CUS. CODE	CF	CHECK	XZ.Z	2025/05/06	Single Bag Filter Housing DN 50 In/Out Connection SS-316L NBR/EPDM O rings	DRW NO.			
P.O. NO./INQ NO.		STAND	L.Z	2025/05/06		MAP	A1	SCALE	1:1
QTY	1	REVIEW	L.Z	2025/05/06		REV. NO.	A1	DATE	2025/05/06
DATE	2025/05/06	APPROVAL	L.Z	2025/05/06		PAGES	1	OF	1