

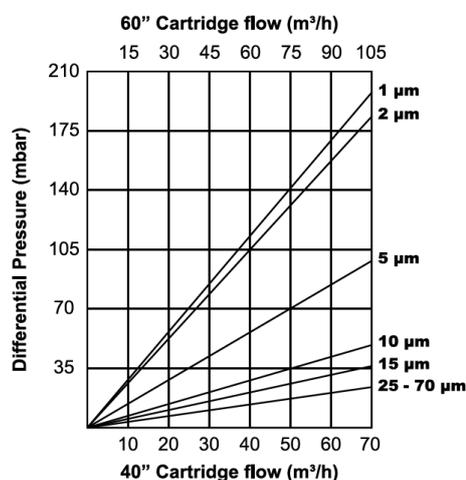
UHF Housing



Specifications

Size, "(inch):	40", 60"
Filtration rating, µm:	-
Flowrate, l/min:	See schedule
Max. Temp. C°:	80-120
Design Pressure:	10bar
Efficiency, %:	-
Connection:	see table
Material:	304 or 316
O-ring:	EPDM

Flow Rates

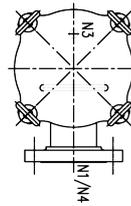
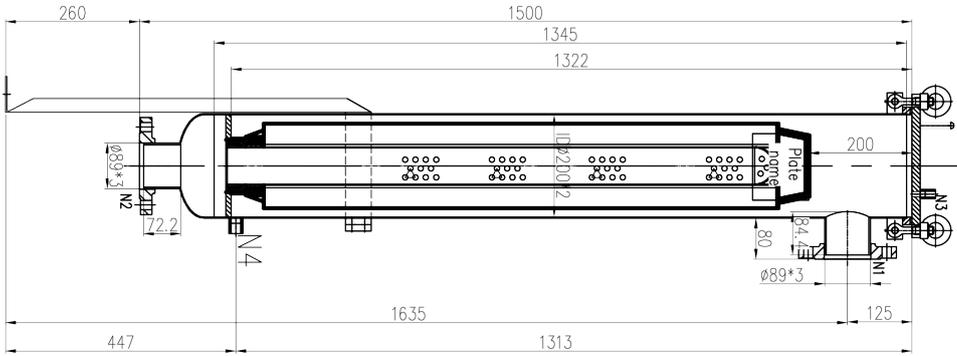


The High Flow housing is available in a variety of sizes to accommodate from 1 to 7 filter elements in both 40" and 60" lengths.

High Flow housings are designed to deliver high flow rates in the most compact footprint possible whilst delivering maintenance accessibility.

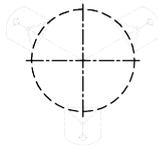
Parts					
Model	Design temp. °C	Connection N1, N2*	Element type (request)	Closure type	Length / Ø
UHF 1x40"	80	DN50	Max A / H	Swing bolt	Check drawing
UHF 3x40"		DN200		Swing arm bolt	
UHF 5x40"		DN200		Swing arm bolt	
UHF 1x60"		DN50		Swing bolt	
UHF 2x60"		DN150		Swing arm bolt	
UHF 3x60"		DN200		Swing arm bolt	
UHF 5x60"		DN200		Swing arm bolt	

* Other connection available (contact for options)



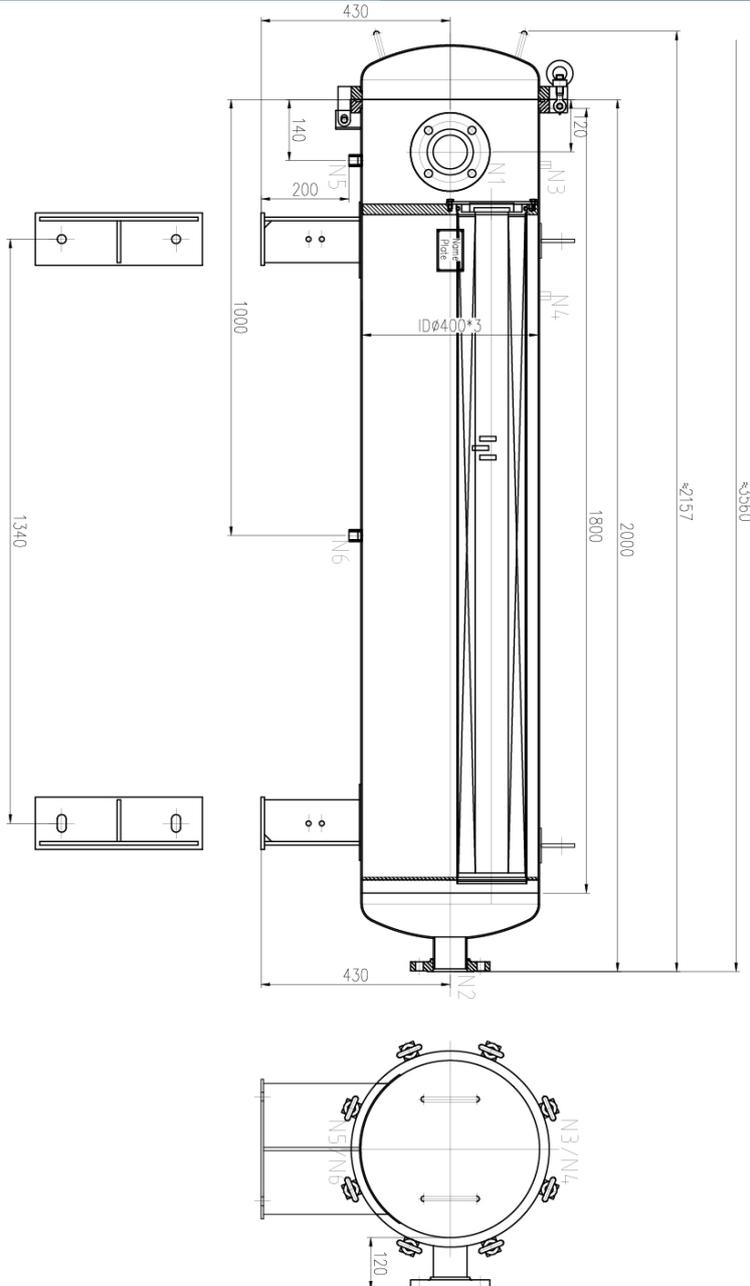
Platform

Anchor Layout



Vessel Design Data Sheet				
Design Parameter	Vessel	Jacket	Vessel Type	
Design Pressure MPa	1.0	---	Full Capacity L	
Operation Pressure MPa	0.8	---	Heater Area m ²	
Design Temperature °C	80	---	GB 1501-1504-2011	
Operation Temperature °C	20	---	ISO 21-2016	
Media	---	---	GB/T 20114-2010	
Media Specificity	---	---	GB/T 47000-47027-2012	
Max Compressive Element Material	316L	---	GB/T 20198-2010	
Support Material	304	---	GB/T 12469-2005	
Body Thickness mm	2	---	GB/T 47014-2011	
Corrosion Allowance mm	---	---	GB/T 4711-2003	
Filtration Process Data Sheet				
Design Flow Rate	m ³ /h	micron	μm	
Filter Element Material	---	Connection Type	---	
Filtration Area	---	Specifications	1-40 ^μ	
Filter Cake Thickness	---	Volume	---	
Surface Treatment	Internal and external enamel and blasting	O-ring	EPDM	
Other Specifications				
Manufacturing deviation < 1% and the maximum size deviation < 3mm				
2. Nozzle positions shall refer position				
Nozzle List				
No.	Size	Connection Standard	Connection Type	Service
N1	DN50	DN EN1092-1 PN10	RF	Inlet
N2	DN50	DN EN1092-1 PN10	RF	Outlet
N3	PT1/4"	Pipe Thread	Female Thread	Pressure Design/Vent
N4	PT1/2"	Pipe Thread	Female Thread	Drain

Main material : 316L 1-Core 40-inch filter



Vessel Design Data Sheet

Design Parameter	Vessel	Jacket	Vessel Type	Fixed Type Vessel
Design Pressure MPa	1.0	---	Full Capacity L	---
Operation Pressure MPa	0.8	---	Heater Area m ²	---
Design Temperature °C	80	---		GB 1561.1-156.4-2011
Operation Temperature °C	20	---		TSJ 21-2016
Media	---	---		GB/T 26114-2010
Media Specificity	---	---		NB/T 4702b-47027-2012
Min Compression Element Material	304	---		GB/T 25198-2010
Support Material	304	---		GB/T 12458-2005
Body Thickness mm	3	---		NB/T 47014-2011
Corrosion Allowance mm	---	---		JB/T 4711-2003
			Packing and Transportation	

Filtration Process Data Sheet

Design Flow Rate	m ³ /h	Micron	μm
Filter Element Material	---	Connection Type	---
Filtration Area	---	Specifications	2-60"
Filter Cake Thickness	---	Volume	---
Surface Treatment	Shock tests and shock outside	O-ring	EPDM

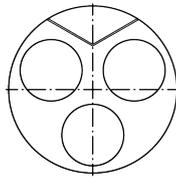
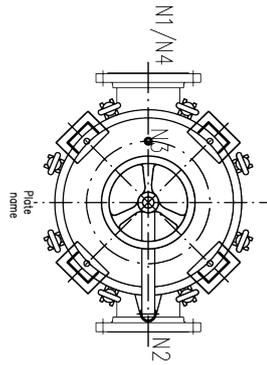
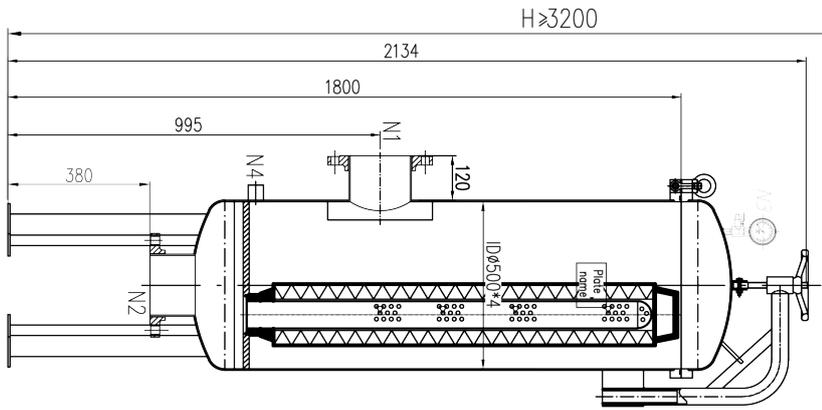
Other Specifications

1. Manufacturing deviation < 1%, and the maximum size deviation < 3mm
2. Nozzle positions pls refer platform

Nozzle List

No.	Size	Connection Standard	Connection Type	Service
N1	WS 2 1/2	ASME B16.5-2003 CLASS150	RF	Inlet
N2	WS 2 1/2	ASME B16.5-2003 CLASS150	RF	Outlet
N3	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N4	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N5	PT1/2	Pipe Thread	Female Thread	Drain
N6	PT1/2	Pipe Thread	Female Thread	Drain



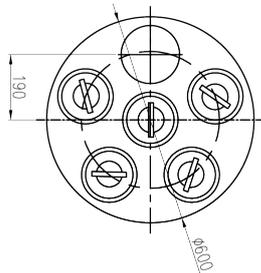
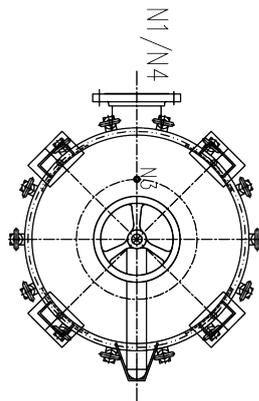
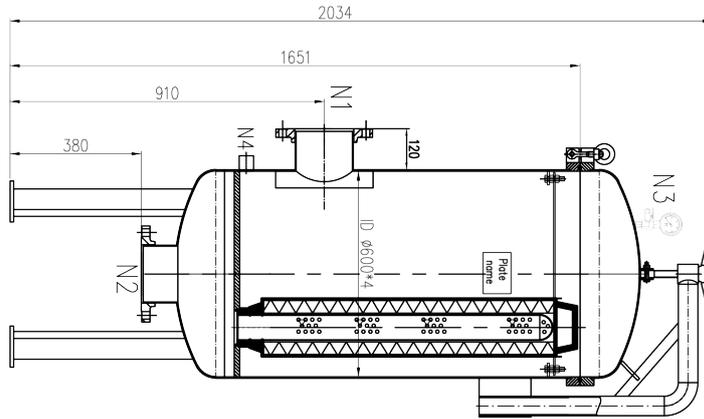


Element Layout

Plate name

Vessel Design Data Sheet				
Design Parameter	Vessel	Jacket	Fluid Type Vessel	
Design Pressure MPa	1.0	Full Capacity	---	
Operation Pressure MPa	0.8	Header Area m ²	---	
Design Temperature °C	80	GB 150.1-150.4-2011	---	
Operation Temperature °C	20	TSS 21-2016	---	
Media	---	GB/T 3814-2010	---	
Media Specificity	---	Design Standard	HG/T 4703-1027-2012	
Max Compressive Element Material	316L	GB/T 2618-2010	---	
Support Material	304	GB/T 12469-2005	---	
Body Thickness mm	4	HG/T 4701-2011	---	
Corrosion Allowance mm	---	Packing and Transportation	GB/T 4711-2003	
Filtration Process Data Sheet				
Design Flow Rate	m ³ /h	micron	μm	
Filter Element Material	---	Connection Type	---	
Filtration Area	---	Specifications	3-40"	
Filter Cake Thickness	---	Volume	---	
Surface Treatment	Internal and external reverse and cleaning	O-ring	EPDM	
Other Specifications				
1. Manufacturing deviation < 1% and the maximum size deviation < 3mm				
2. Nozzle position as refer position				
Nozzle List				
No.	Size	Connection Standard	Connection Type	Service
N1	DN200	DN EN1092-1 PN10	RF	Inlet
N2	DN200	DN EN1092-1 PN10	RF	Outlet
N3	PT/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N4	PT/2	Pipe Thread	Female Thread	Drain

Main material : 316L 3-Core 40-inch filter



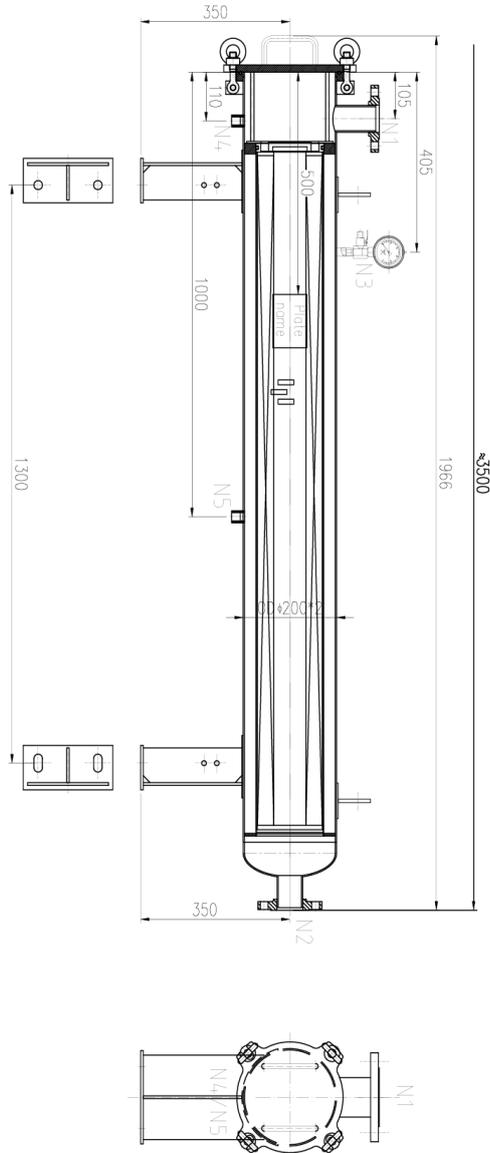
Element Layout

Vessel Design Data Sheet				
Design Parameter	Vessel	Socket	Vessel Type	
Design Pressure MPa	1.0	---	Full Capacity L	
Operation Pressure MPa	0.8	---	Header Area m ²	
Design Temperature °C	80	---	GB 150.1-150.4-2011	
Operation Temperature °C	20	---	ISO 7-2016	
Media	---	---	GB/T 28114-2010	
Media Specificity	---	---	GB/T 41229-1507-2012	
Max. Compressive Strength	316L	---	GB/T 25199-2010	
Support Material	304	---	GB/T 12469-2005	
Body Thickness mm	4	---	GB/T 4701-2011	
Corrosion Allowance mm	---	---	GB/T 4711-2003	
Filtration Process Data Sheet				
Design Flow Rate	m ³ /h	Micro	API	
Filter Element Material	---	Connection Type	---	
Filtration Area	m ²	Specifications	5-40 Inch High Flow	
Filter Cake Thickness	---	Volume	---	
Surface Treatment	Internal acid pretreatment external acid washing	0-10g	EPDM	
Other Specifications				
1. Manufacturing standard < 1% and the maximum size deviation < 2mm				
2. Nozzle positions per order definition				
Nozzle List				
No.	Size	Connection Standard	Connection Type	Service
N1	DN200	DN EN1092-1 PN10	RF	INH
N2	DN200	DN EN1092-1 PN10	RF	Outlet
N3	PT1/4"	Pipe Thread	Female Thread	Pressure Gauge/Valve
N4	PT1/4"	Pipe Thread	Female Thread	Drain

Main material : 316L 5-core 40-inch filter



Liquid Filtration



Vessel Design Data Sheet

Design Parameter	Vessel	Model	Vessel Type	Fixed Type Vessel
Design Pressure MPa	1.0	---	Full Capacity L	---
Operator Pressure MPa	0.4	---	Header Area ft ²	---
Design Temperature °C	80	---	GB 150.1-150.4-2011	---
Operation Temperature °C	20	---	TSG 21-2016	---
Media	---	---	GB/T 28114-2010	---
Media Specificity	---	---	Design Standard	GB/T 4720-4727-2012
Material Compliance	304	---	ASME	GB/T 25188-2010
Support Material	304	---	---	GB/T 12498-2005
Body Thickness mm	2	---	---	GB/T 47014-2011
Corrosion Allowance mm	---	---	Packing and Temperature	GB/T 4711-2003

Filtration Process Data Sheet

Design Flow Rate	m ³ /h	Micro	mm
Filter Element Material	---	Connection Type	---
Filtration Area	ft ²	Specifications	1-60 inch high flow
Filter Cake Thickness	---	Volume	---
Surface Treatment	Shot inside and outside	O-ring	EPDM

Other Specifications

- Manufacturing deviation < 1% and for maximum size deviation < 5mm
- Welding position per order position

Nozzle List

No.	Size	Connection Standard	Connection Type	Service
N1	NPS2	ASME B16.5-2003	RF	Inlet
N2	NPS2	ASME B16.5-2003	RF	Outlet
N3	PT1/4"	Pipe Thread	Female Thread	Pressure Gauge/Vent
N4	PT1/2"	Pipe Thread	Female Thread	Seepage outlet
N5	PT1/2"	Pipe Thread	Female Thread	Drain

Main material : 304

Design

Weight/KG

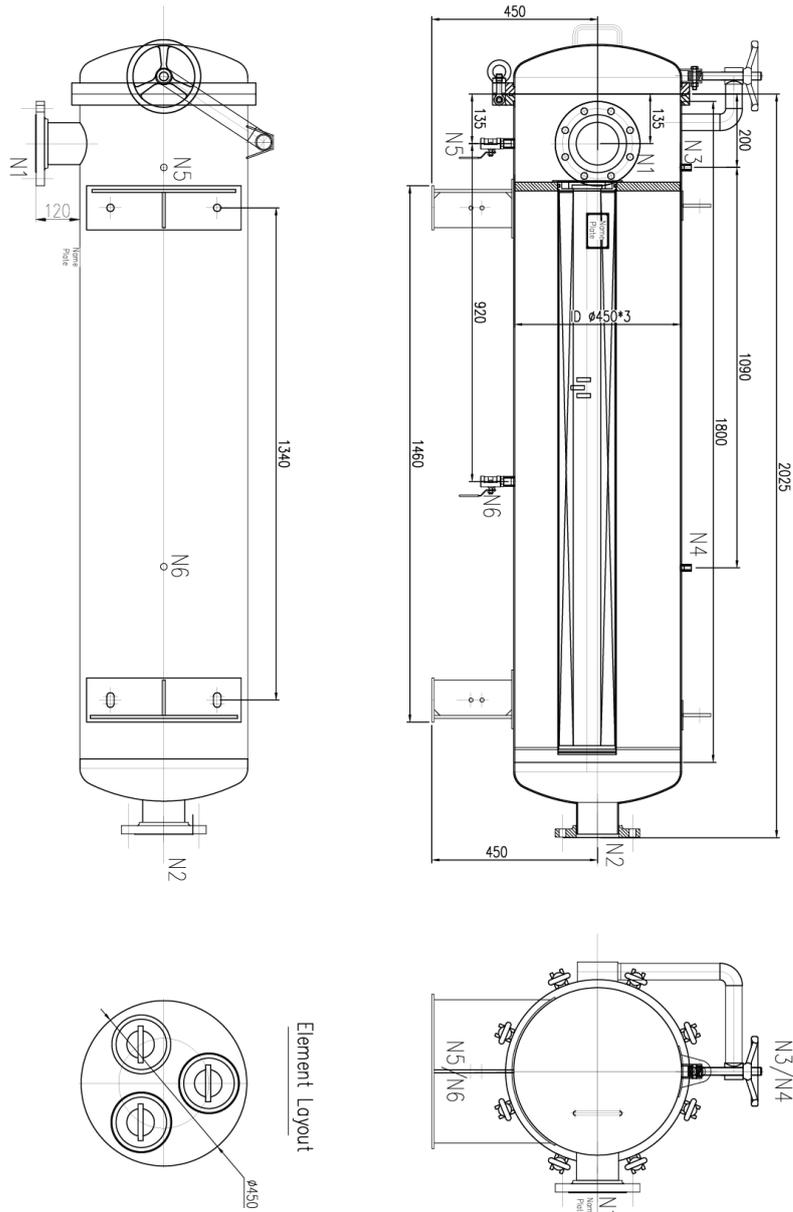
Qty :

Date

Technology

1 core 60 inch large flow filter





Vessel Design Data Sheet

Design Parameter	Vessel	Jacket	Vessel Type	Fixed Type Vessel
Design Pressure MPa	1.0	---	Full Capacity L	---
Operation Pressure MPa	0.8	---	Heater Area m ²	---
Design Temperature °C	80	---		GB 150.1-150.4-2011
Operation Temperature °C	20	---		TSC 21-2016
Media	---	---		GB/T 28114-2010
Media Specificity	---	---	Design Standard	NB/T 47020-47027-2012
Main Compression Element Material	304	---		GB/T 29998-2010
Support Material	304	---		GB/T 12459-2005
Body Thickness mm	3	---		NB/T 47014-2011
Corrosion Allowance mm	---	---	Packing and Transportation	GB/T 4711-2003

Filteration Process Data Sheet

Design Flow Rate	m ³ /h	micron	µm
Filter Element Material	---	Connection Type	---
Filteration Area	---	Specifications	3-60"
Filter Cake Thickness	---	Volume	---
Surface Treatment	Internal acid wash passivation external acid wash passivation enamel	O-ring	EPDM

Other Specifications

1. Manufacturing deviation < 1%, and the maximum size deviation < 3mm
2. Nozzle positions pls refer platform

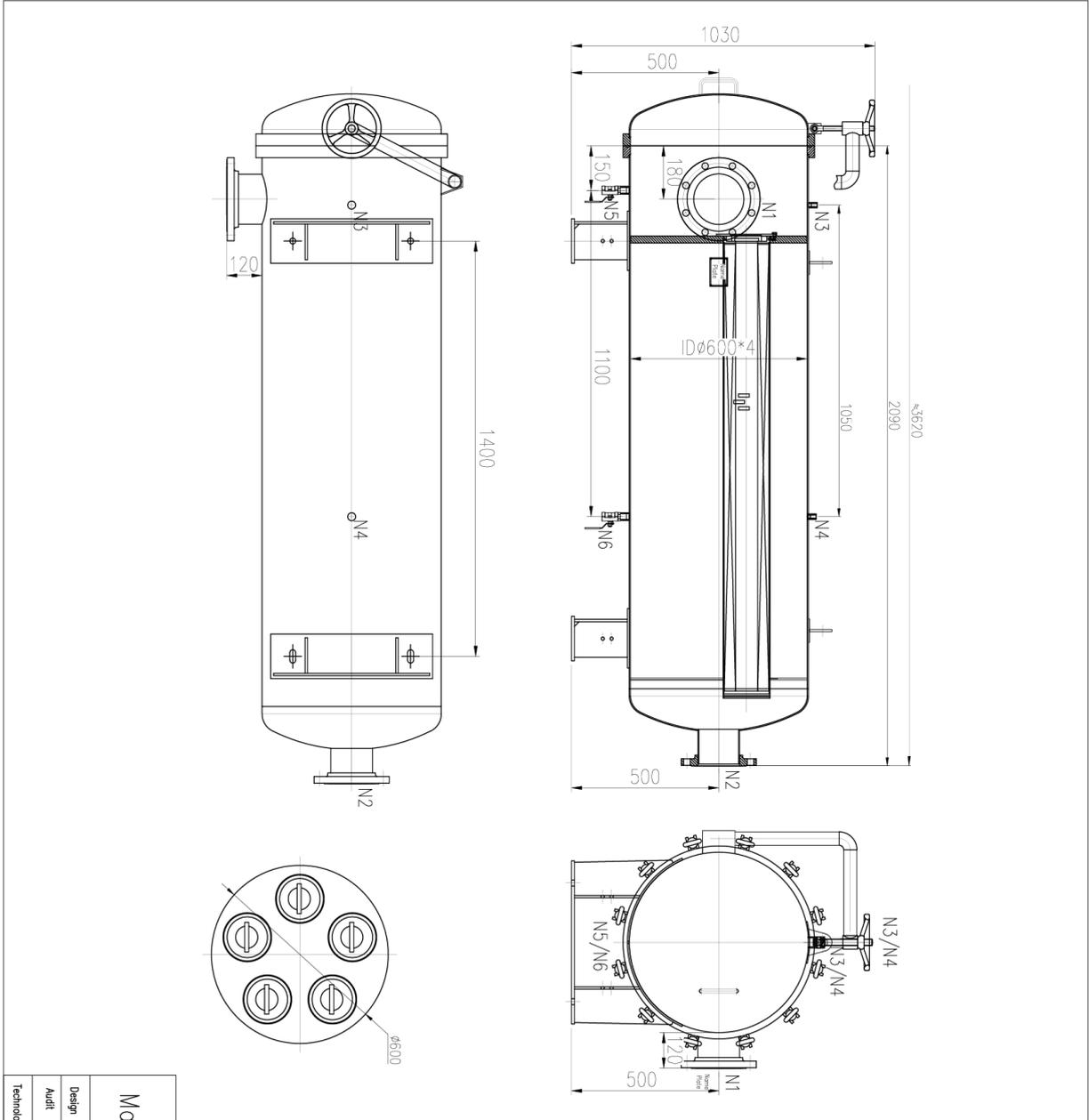
Nozzle List

No.	Size	Connection Standard	Connection Type	Service
N1	NPS4	ASME B16.5-2003 CLASS150	RF	Inlet
N2	NPS4	ASME B16.5-2003 CLASS150	RF	Outlet
N3	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N4	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N5	PT1/2	Pipe Thread	Female Thread	Drain
N6	PT1/2	Pipe Thread	Female Thread	Drain

Main material : 304

3-Core 60-inch filter

Design	Weight/KG	3-Core 60-inch filter
Audit	Qty :	
Technology	Date	



Design		Weight/KG	5-Core 60-inch filter
Audit		Qty :	
Technology		Date:	
Main material : 304			

Vessel Design Data Sheet				
Design Parameter	Vessel	Jacket	Vessel Type	
Design Pressure MPa	1.0	---	Full Capacity L	
Operation Pressure MPa	0.8	---	Heater Area m ²	
Design Temperature °C	80	---	GB 150.1-150.4-2011	
Operation Temperature °C	20	---	TSG 21-2016	
Media	---	---	GB/T 2614-2010	
Media Specificity	---	---	GB/T 4702-4707-2012	
Max Corrosion Element Material	304	---	Design Standard	
Support Material	304	---	GB/T 23198-2010	
Body Thickness mm	4	---	GB/T 12469-2005	
Corrosion Allowance mm	---	---	NB/T 47014-2011	
			GB/T 4711-2003	
			Packing and Transportation	
Filtration Process Data Sheet				
Design Flow Rate	m ³ /h	Micron	µm	
Filter Element Material	---	Connection Type	---	
Filtration Area	---	Specifications	5-60"	
Filter Cake Thickness	---	Volume	---	
Surface Treatment	Internal acid wash passivated outside	O-ring	EPDM	
Other Specifications				
1. Manufacturing deviation < 1%, and the maximum size deviation < 3mm				
2. Nozzle positions per refer platform				
Nozzle List				
No.	Size	Connection Standard	Connection Type	Service
N1	NPS6	ASME B16.5-2003 CLASS150	RF	Inlet
N2	NPS6	ASME B16.5-2003 CLASS150	RF	Outlet
N3	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N4	PT1/4	Pipe Thread	Female Thread	Pressure Gauge/Vent
N5	PT1/2	Pipe Thread	Female Thread	Drain
N6	PT1/2	Pipe Thread	Female Thread	Drain