

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Particulate Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-40-250A	
1	SPECIFICATION						
2	Element Type	Particulate		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	40	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	65	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Outside to Inside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Polyethylene					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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A technical drawing of a circular table and four chairs. The table is shown from a top-down perspective, with a central pedestal and four chairs arranged around it. The chairs are shown from a side perspective, with their seats and backs visible. The drawing is a line drawing with no shading.

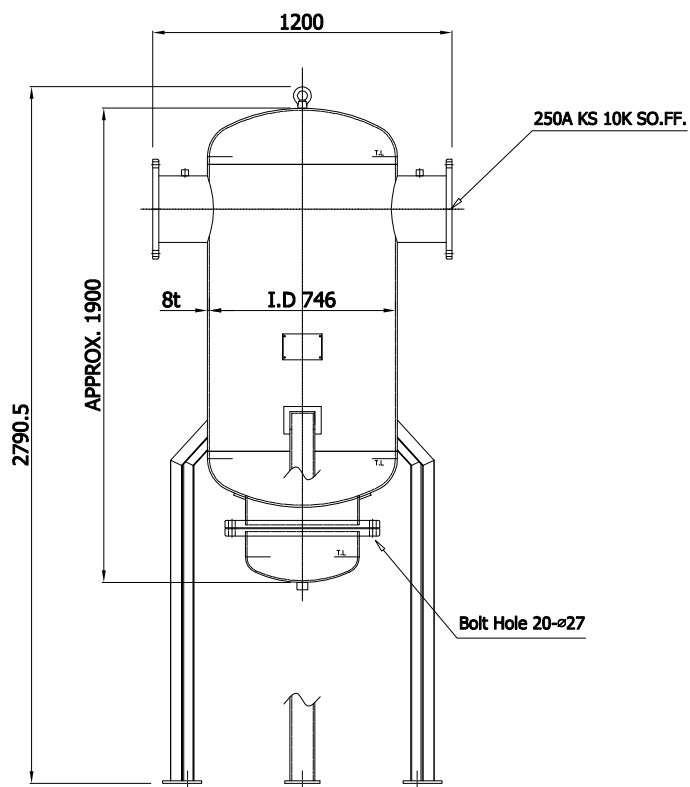


Diagram illustrating the components of the HAD-20 Auto Drain:

- INNER PLATE
- Gauge HOLE
- AIR INLET
- AIR OUTLET
- ELEMENT
- BOWL
- BOLT
- GASKET 450A
- HEAD
- PT 25A
- FLANGE 3
- 450A KS 10K SO.FF.
- AUTO DRAIN HAD-20

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	POLTETHYLENE	15
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

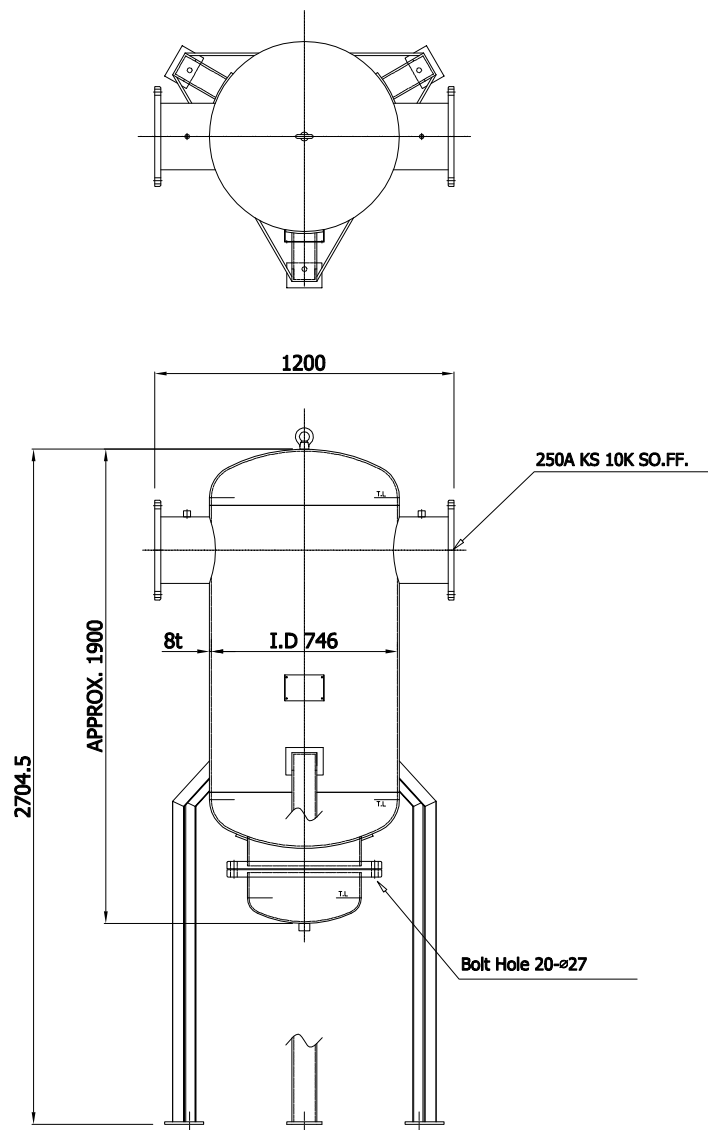
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MANUFACTURER			
			
TITLE			
HYF-40-250A OUTLINE			
ITEM NO.	HYF-250A	DWG NO.	REV.
SCALE	NONE	GSA-HYF-250A-01	

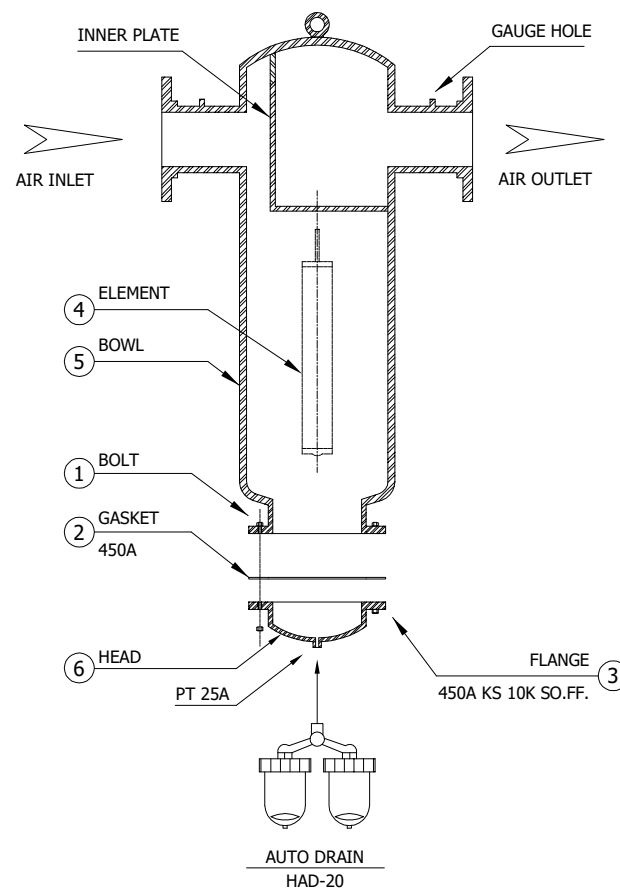
1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

 Global Standard Air & Gas	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Particulate Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-5-250A	
1	SPECIFICATION						
2	Element Type	Particulate		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	5	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	65	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Outside to Inside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Polyethylene					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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DIMENSION



ASSEMBLY



MODEL	HYF-5-250A
CAPACITY	330.0 Nm³/min
INLET AIR TEMPERATURE	MAX. 65 °C
MAX. INLET AIR PRESSURE	9.7 barg
ELEMENT TYPE	PARTICULATE
FILTRATION	5 MICRON
IN/OUT CONNECTION	250A FLANGE
FLOW DIRECTION	OUTSIDE TO INSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	POLTETHYLENE	15
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

NOTE

- 1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.**

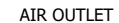
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	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Coalescer Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-1-250A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		1	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Inside to Outside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Borosilicate					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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DIMENSION



ASSEMBLY



MODEL		HYP-1-250A	
CAPACITY		330.0 Nm³/min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		COALESCER	
FILTRATION		1 MICRON	
		1 PPM	
IN/OUT CONNECTION		250A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	19
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

NOTE

1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

2020-08-26 ISSUED FOR PROPOSAL

WFL NO. DATE DESCRIPTION DWS CK APPD APVD APPD

PROJECT _____

MANUFACTURER

GSA
Global Standard Air & Gas

TITLE

HYF-1-250A OUTLINE

ITEM NO.	HYP-250A	DWG NO.		REV
SCALE	NONE	GSA-HYF-250A-03		

1
(A1 : 841mm x 594mm)

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Coalescer Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-0.1-250A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.1	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Inside to Outside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Borosilicate					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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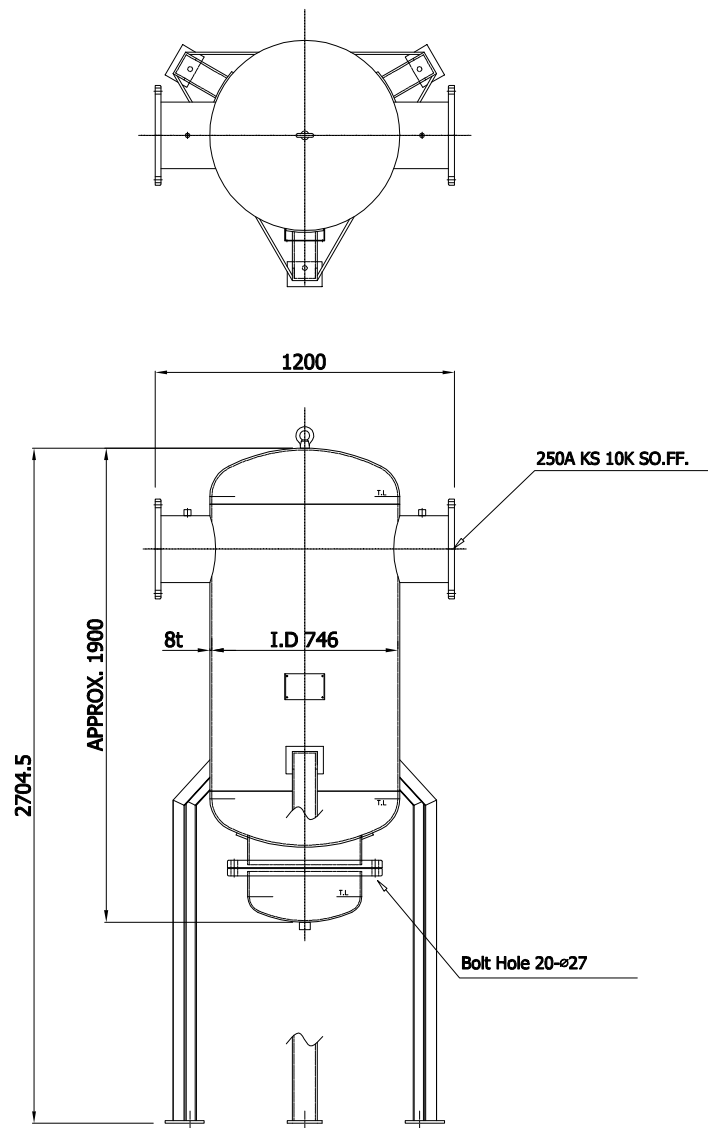


MODEL		HYP-0.1-250A	
CAPACITY		330.0 Nm ³ /min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		COALESCER	
FILTRATION		1 MICRON	
		0.1 PPM	
IN/OUT CONNECTION		250A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	19
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

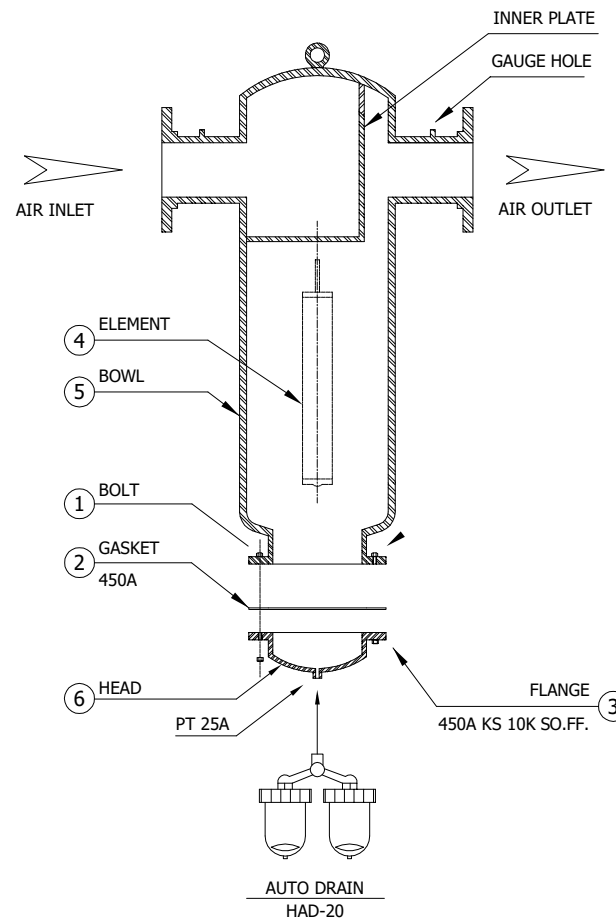
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REV.	2020-08-26	ISSUED FOR PROPOSAL								
NO.	DATE	DESCRIPTION				DWG	CHK	APPD	APPD	APPD
PROJECT -										
MANUFACTURER  Global Standard Air & Gas										
TITLE HYF-0.1-250A OUTLINE										
ITEM NO.	HYF-250A		DWG NO.			GSA-HYF-250A-04			REV.	
SCALE	NONE		GSA-HYF-250A-04							
			1			(A1 : 841mm x 594mm)				

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Coalescer Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-0.01-250A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.01	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Inside to Outside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Borosilicate					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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DIMENSION



ASSEMBLY



MODEL	HYF-0.01-250A
CAPACITY	330.0 Nm³/min
INLET AIR TEMPERATURE	MAX. 54 °C
MAX. INLET AIR PRESSURE	9.7 barg
ELEMENT TYPE	COALESCER
FILTRATION	1 MICRON
	0.01 PPM
IN/OUT CONNECTION	250A FLANGE
FLOW DIRECTION	INSIDE TO OUTSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	15
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

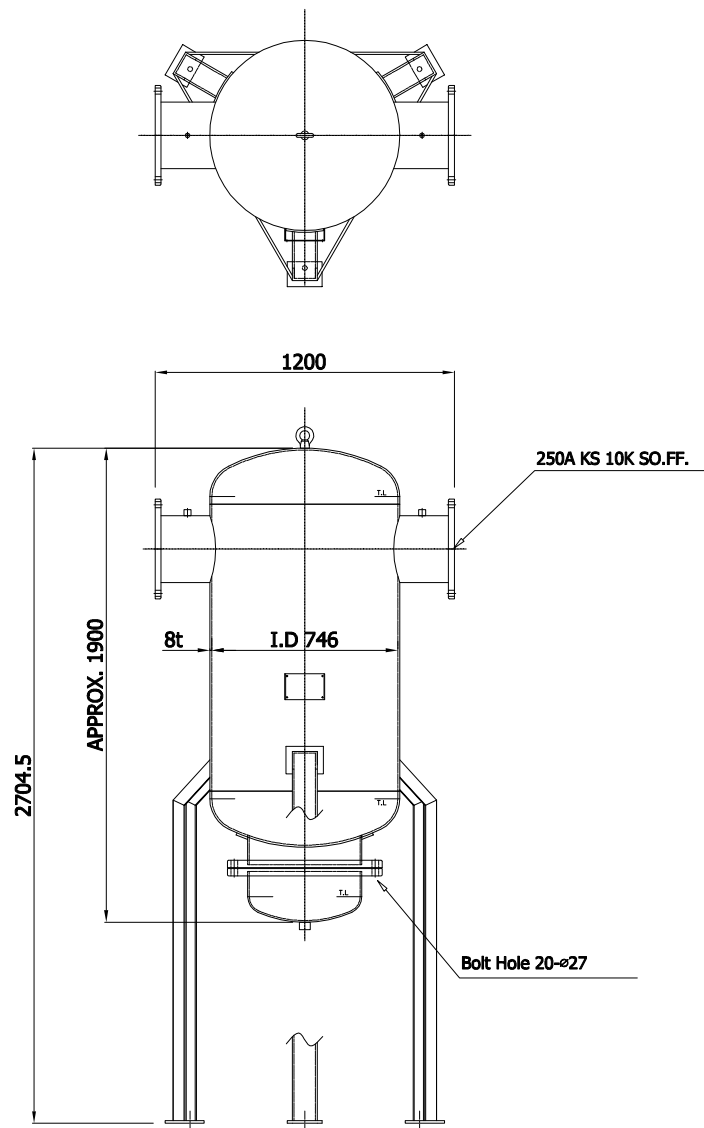
NOTE

- 1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.**

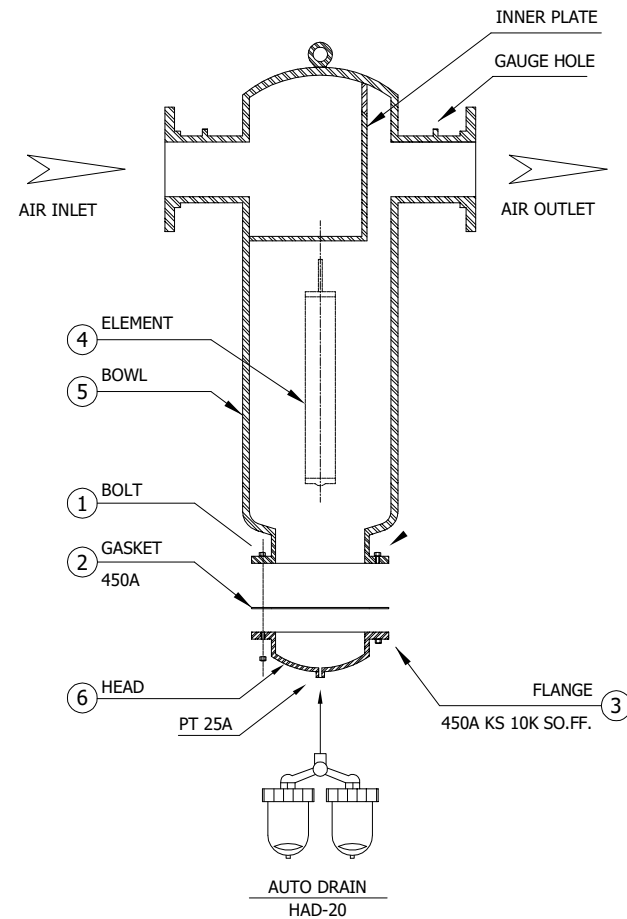
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 Global Standard Air & Gas	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Coalescer Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-0.01F-250A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.01	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Inside to Outside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Borosilicate					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
28	- Added Carbon Layer						
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DIMENSION



ASSEMBLY



MODEL		HYP-0.01F-250A
CAPACITY		330.0 Nm ³ /min
INLET AIR TEMPERATURE		MAX. 54 °C
MAX. INLET AIR PRESSURE		9.7 barg
ELEMENT TYPE		COALESCER
FILTRATION		1 MICRON
		0.01 PPM(Carbon Layer)
IN/OUT CONNECTION		250A FLANGE
FLOW DIRECTION		INSIDE TO OUTSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	19
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

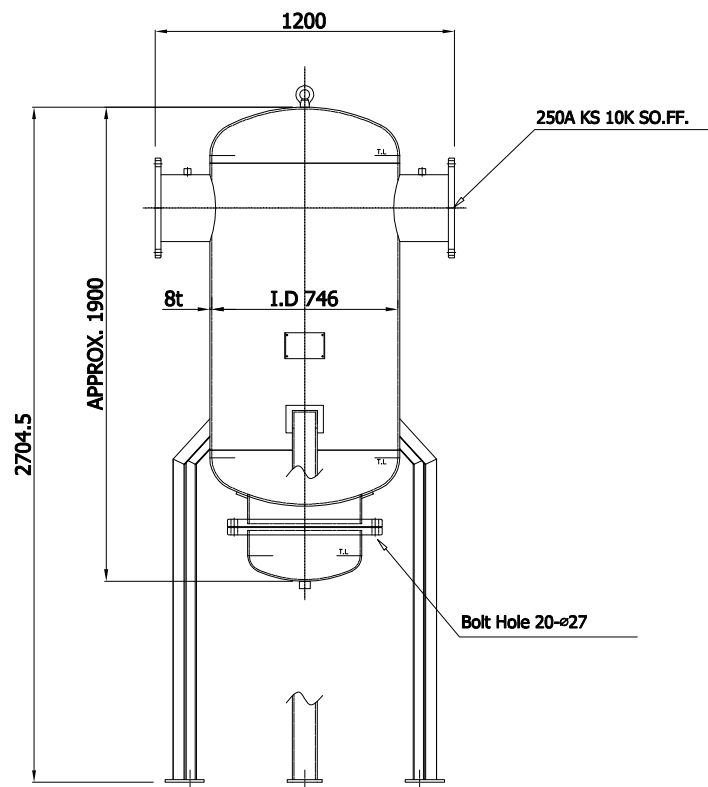
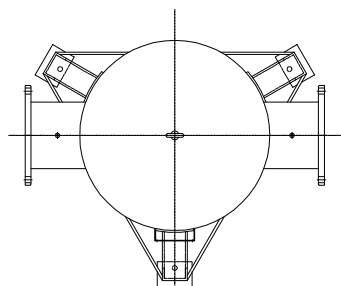
NOTE

1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

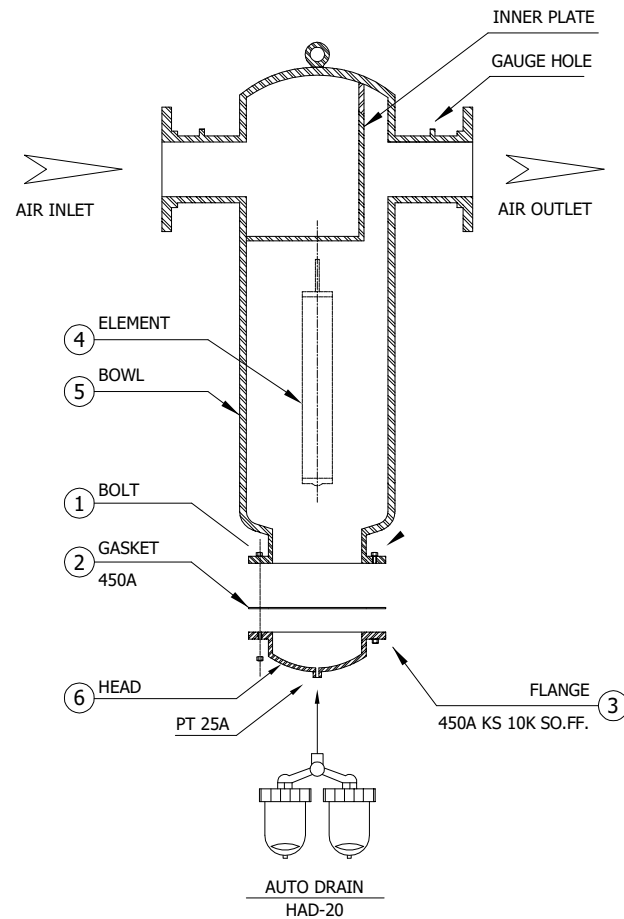
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WIP NO.	DATE	DESCRIPTION				DWG	CHK	APPD	APPD	APPD
PROJECT										
-										
MANUFACTURER										
 Global Standard Air & Gas										
TITLE										
HYF-0.01F-250A OUTLINE										
ITEM NO.	HYP-250A	DWG NO.				GSA-HYF-250A-06			REV	A
SCALE	NONE									
1						(A1 : 841mm x 594mm)				

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Adsorber Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-0.003-250A	
1	SPECIFICATION						
2	Element Type	Adsorber		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	-	micron	Inlet Temp.	38	°C	
5		0.003	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Inside to Outside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Activated Carbon					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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DIMENSION



ASSEMBLY



MODEL	HYF-0.003-250A
CAPACITY	330.0 Nm ³ /min
INLET AIR TEMPERATURE	MAX. 54 °C
MAX. INLET AIR PRESSURE	9.7 barg
ELEMENT TYPE	ADSORBER
FILTRATION	0.003 PPM
IN/OUT CONNECTION	250A FLANGE
FLOW DIRECTION	INSIDE TO OUTSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	ACTIVATED CARBON	19
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

NOTE

1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

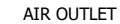
REV. NO.	DATE	DESCRIPTION				DWG	CHK	APPD	APPD
PROJECT									
-									
MANUFACTURER									
 Global Standard Air & Sea									
TITLE									
HYF-0.003-250A OUTLINE									
ITEM NO.	HYP-250A	DWG NO.							
SCALE	NONE	GSA-HYF-250A-07							
									REV.

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Coalescer Type		2	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
			3				
			4				
Project Name		-		Model Name		HYF-0.01(PARKER)-250A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	330	Nm3/min	
3	Element Quantity	19	EA	Inlet Pressure	7	barg	
4	Element Filtration	0.01	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	330	Nm3/min	
6	Element Design Temp.	54	°C	Outlet Pressure	6.8	barg	
7	Flow Direction	Outside to Inside		Outlet Temp.	38	°C	
8	Design Code	KS B 6750-3		Pressure Drop	0.2	bar	
9	Auto Drain	HAD-20		Design Pressure	9.7	barg	
10				Design Temperature	100	°C	
11	CONSTRUCTION						
12	Inlet Connection	250A	KS 10K SO.FF.	Dimension (W x L)	1200 X 2790	mm	
13	Outlet Connection	250A	KS 10K SO.FF.	Weight	400	kg	
14	Drain Connection	25A	PT Female Screw	Color (Munsell)	5.7PB 4.1/9.9		
15	MATERIALS						
16	Head	SS275					
17	Bowl	SPP					
18	Flange	SS275					
19	Gasket	Non-Asbestos					
20	Element	Polyethylene					
21	Bolt / Nut	SS400					
22	STANDRAD FEATURES AND CONTROL						
23	Pressure Gauge	YES					
24	Differential Indicator	NO					
25	Differential Transmitter	NO					
26	Auto Drain	YES					
27	NOTES						
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DIMENSION



ASSEMBLY



MODEL	HYF-0.01(PARKER)-250A
CAPACITY	330.0 Nm³/min
INLET AIR TEMPERATURE	MAX. 54 °C
MAX. INLET AIR PRESSURE	9.7 barg
ELEMENT TYPE	COALESCER
FILTRATION	0.01 MICRON
IN/OUT CONNECTION	250A FLANGE
FLOW DIRECTION	OUTSIDE TO INSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	GLASS FIBER	19
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M24 X 100L	20
NO.	PART NAME	DESCRIPTION	QTY

NOTE

- 1. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.**

[illegible]