

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-40-100A	
1	SPECIFICATION						
2	Element Type	Particulate		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	40	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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						
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

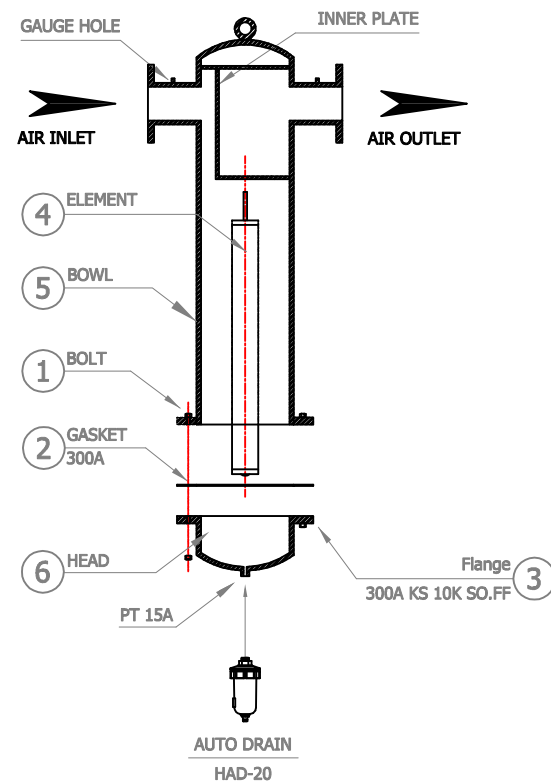
DIMENSION



NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

ASSEMBLY

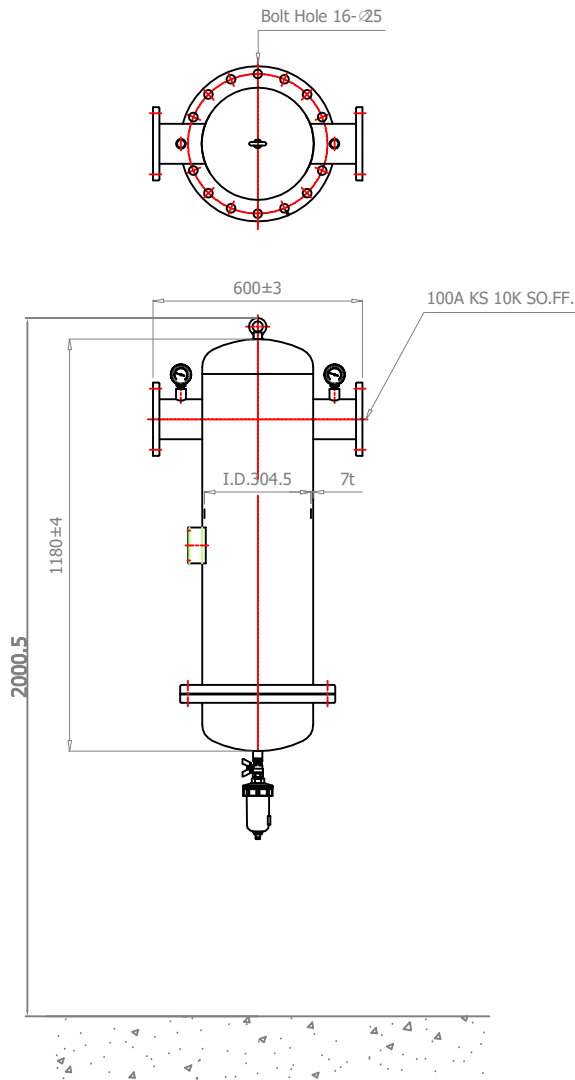


MODEL		HYF-40-100A	
CAPACITY		70 Nm³/min	
INLET AIR TEMPERATURE		MAX. 65 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		PARTICULATE	
FILTRATION		40 MICRON	
IN/OUT CONNECTION		100A FLANGE	
FLOW DIRECTION		OUTSIDE TO INSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	POLYETHYLENE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

[illegible]

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-5-100A	
1	SPECIFICATION						
2	Element Type	Particulate		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	5	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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						
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

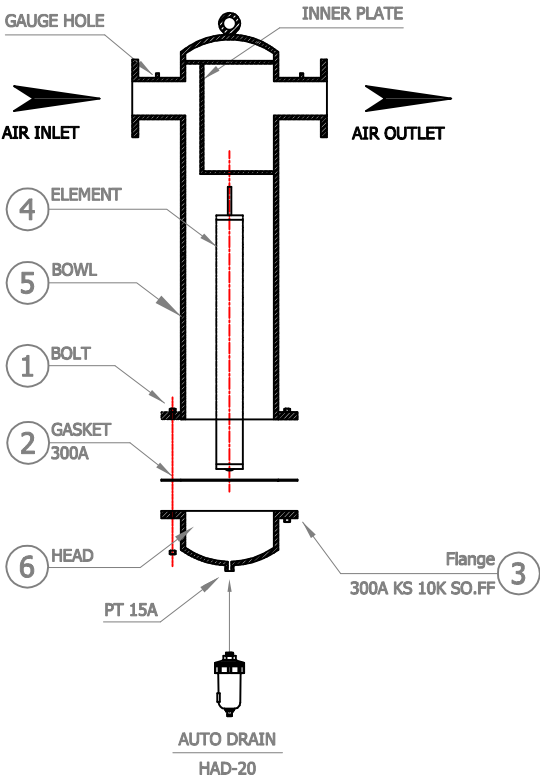
DIMENSION



NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

ASSEMBLY



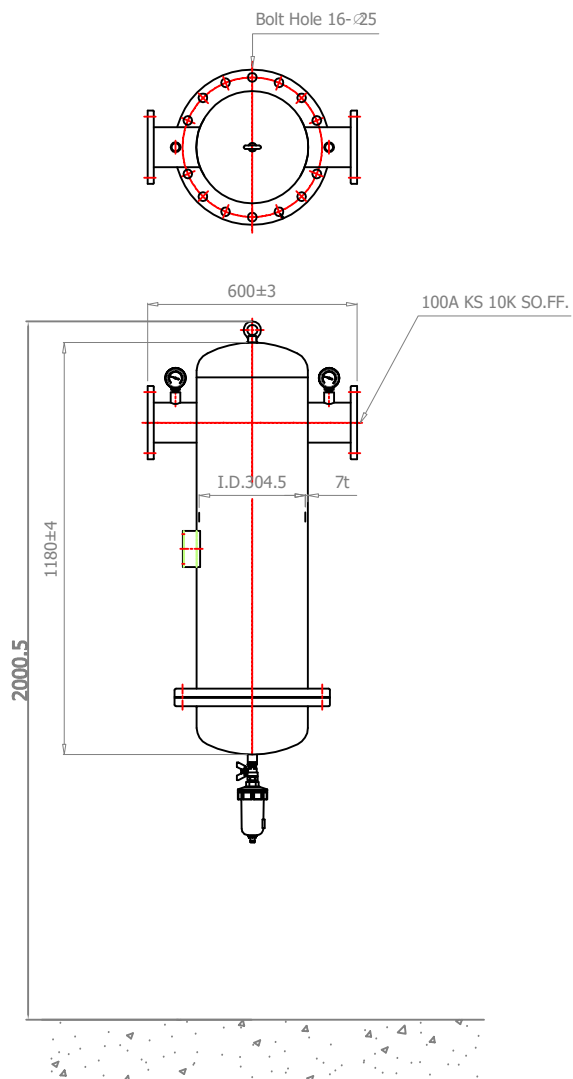
MODEL	HYF-5-100A
CAPACITY	70 Nm³/min
INLET AIR TEMPERATURE	MAX. 65 °C
MAX. INLET AIR PRESSURE	9.7 barg
ELEMENT TYPE	PARTICULATE
FILTRATION	5 MICRON
IN/OUT CONNECTION	100A FLANGE
FLOW DIRECTION	OUTSIDE TO INSIDE

6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	POLYETHYLENE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

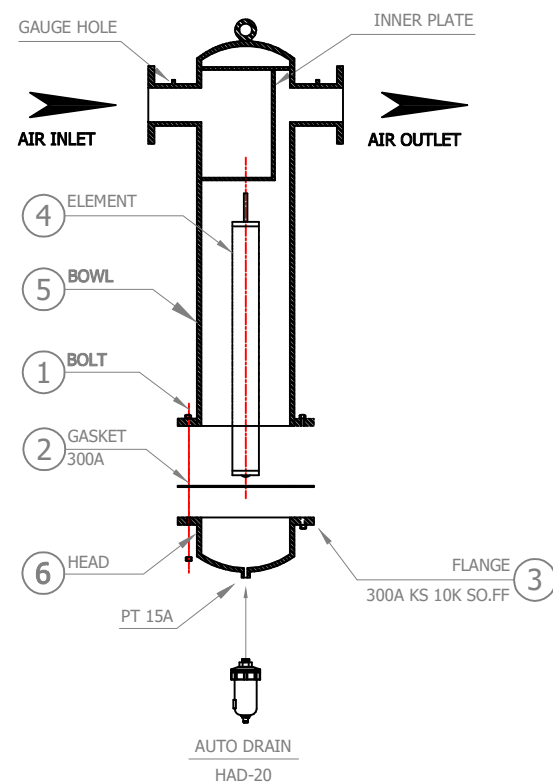
REV.	NO.	DATE	DESCRIPTION	DWG.	CHK.	APPD.	APPD.	APPD.
Δ	2025.09.24		ISSUED FOR PROPOSAL					
MANUFACTURER								
TITLE	HYF-5-100A OUTLINE							
ITEM NO.	HYF-100A	DWG NO.	GSA-HYF-100A-02					
SCALE	NONE							

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-1-100A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		1	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

DIMENSION



ASSEMBLY



MODEL		HYF-1-100A	
CAPACITY		70 Nm ³ /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		100A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

[illegible]

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-0.1-100A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.1	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

DIMENSION



ASSEMBLY



6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

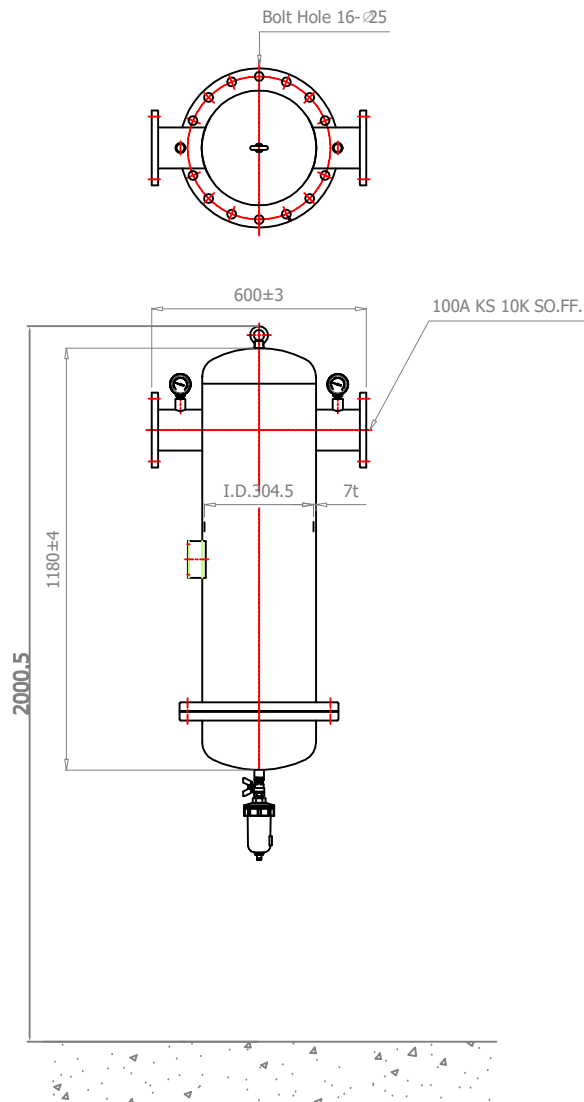
NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

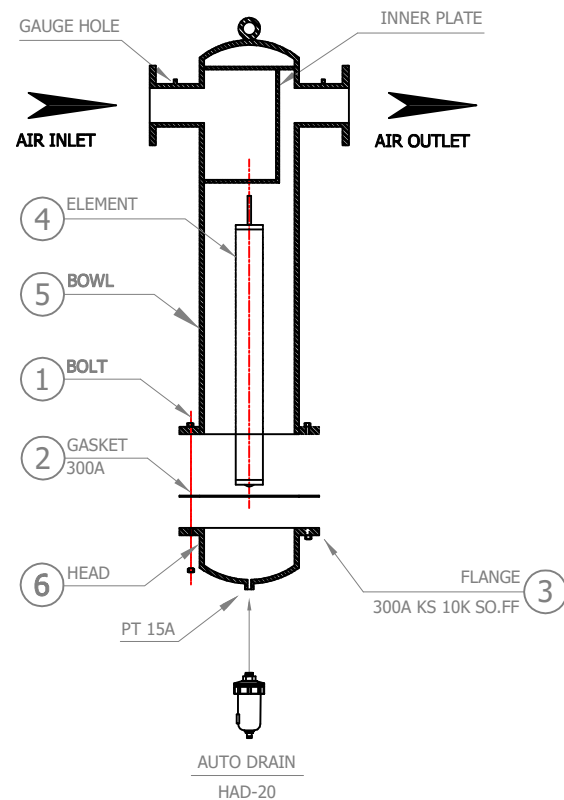
[illegible]

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-0.01-100A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.01	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

DIMENSION



ASSEMBLY



CAPACITY		70 Nm³/min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		COALESCE	
FILTRATION	1 MICRON		
	0.01 PPM		
IN/OUT CONNECTION		100A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

2020-09-24 ISSUED FOR PROPOSAL

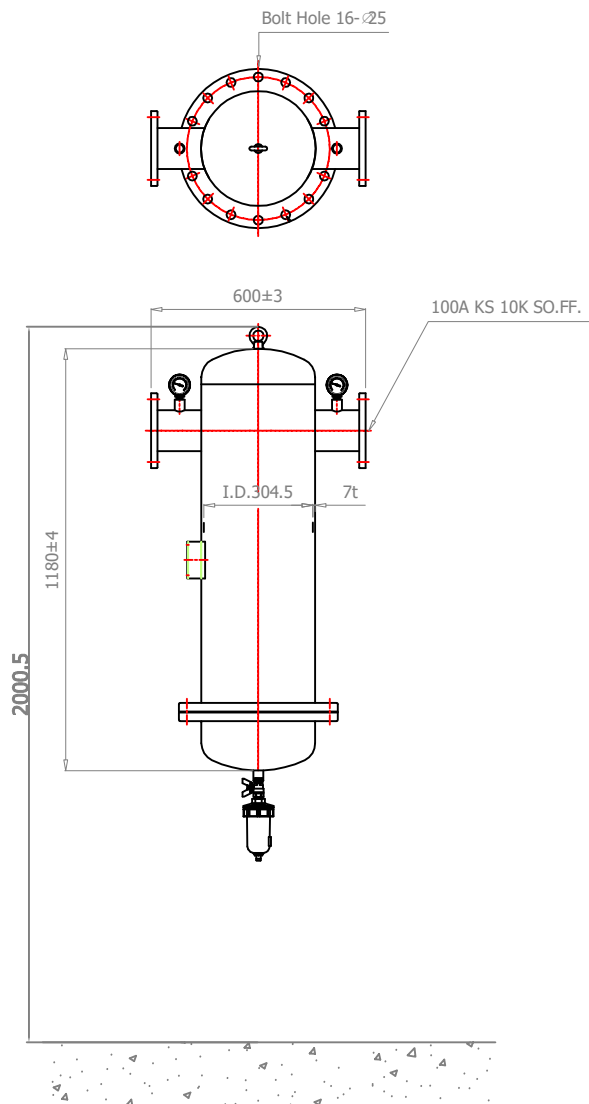
REV NO.	DATE	DESCRIPTION	DWG	CHK	APPD	APFD	APFD
PROJECT							
-							
MANUFACTURER							
 GSA Global Standard Air & Gas							
TITLE							
HYF-0.01-100A OUTLINE							

ITEM NO.	HYF-100A	DWG NO.		REV.	
SCALE	NONE	GSA-HYF-100A-05			

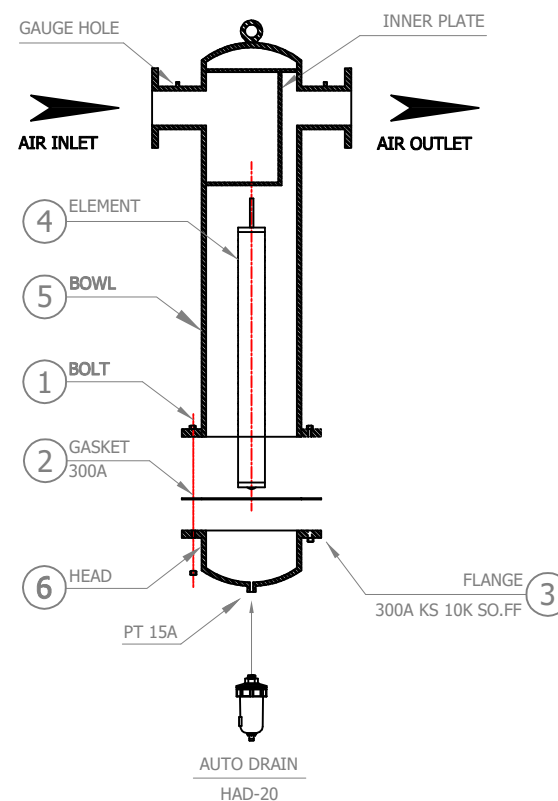
1
(A1 : 841mm x 594mm)

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-100A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	1	micron	Inlet Temp.	38	°C	
5		0.01	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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						
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

DIMENSION



ASSEMBLY



CAPACITY		70 Nm ³ /min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		COALESCKER	
FILTRATION		1 MICRON	
		0.01 PPM(Carbon Layer)	
IN/OUT CONNECTION		100A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	BOROSILICATE	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 75L	16
NO.	PART NAME	DESCRIPTION	QTY

NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

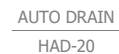
[illegible]

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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-0.003-100A	
1	SPECIFICATION						
2	Element Type	Adsorber		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	-	micron	Inlet Temp.	38	°C	
5		0.003	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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						
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

DIMENSION



ASSEMBLY



MODEL		HYF-0.003-100A	
CAPACITY		70 Nm³/min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		ADSORBER	
FILTRATION		0.003 PPM	
IN/OUT CONNECTION		100A FLANGE	
FLOW DIRECTION		INSIDE TO OUTSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	ACTIVATED CARBON	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 80L	14
NO.	PART NAME	DESCRIPTION	QTY

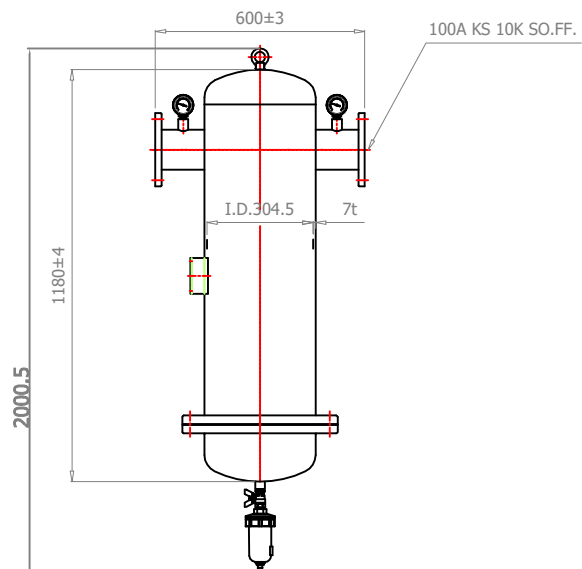
NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

A									
A									
A									
A									
A									
REV NO.	DATE	DESCRIPTION	DWG	CHK	APPD	APPR			
PROJECT									
MANUFACTURER									
									
TITLE									
HYF-0.003-100A OUTLINE									
ITEM NO.	HYP-100A	DWG NO.		GSA-HYF-100A-07			REV. 		
SCALE	NONE								
				1		(A1 : 841mm x 594)			

	Air Filter		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.12.01	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)-100A	
1	SPECIFICATION						
2	Element Type	Coalescer		Inlet Flow Rate	70	Nm3/min	
3	Element Quantity	5	EA	Inlet Pressure	7	barg	
4	Element Filtration	0.01	micron	Inlet Temp.	38	°C	
5		-	ppm	Outlet Flow Rate	70	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	100A	KS 10K SO.FF.	Dimension (W x L)	600 X 1180	mm	
13	Outlet Connection	100A	KS 10K SO.FF.	Weight	120	kg	
14	Drain Connection	15A	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	Glass Fiber					
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							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

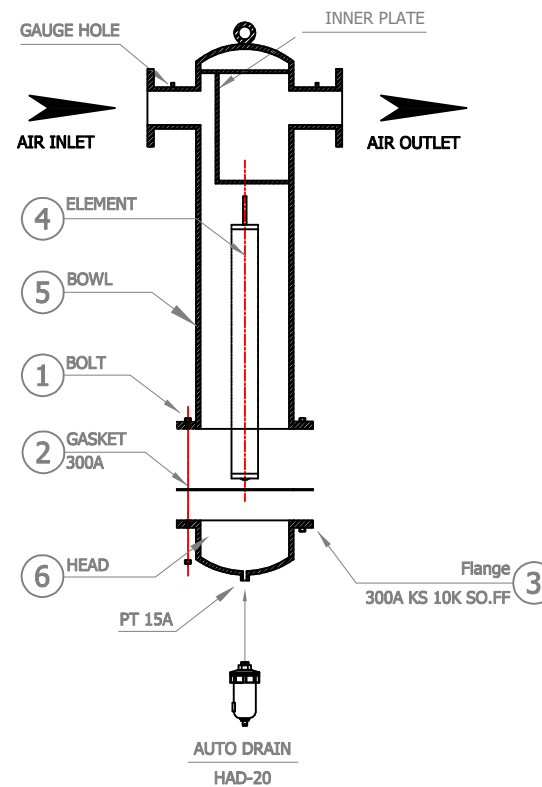
DIMENSION



NOTE

1. THE LEG IS OPTIONAL.
2. THE DIFFERENTIAL PRESSURE GAUGE IS OPTIONAL.

ASSEMBLY



MODEL		HYF-0.01(PARKER)-100A	
CAPACITY		70 Nm ³ /min	
INLET AIR TEMPERATURE		MAX. 54 °C	
MAX. INLET AIR PRESSURE		9.7 barg	
ELEMENT TYPE		COALESCER	
FILTRATION		0.01 MICRON	
IN/OUT CONNECTION		100A FLANGE	
FLOW DIRECTION		OUTSIDE TO INSIDE	
6	HEAD	SS275	2
5	BOWL	SPP	1
4	ELEMENT	GLASS FIBER	5
3	FLANGE	SS275	2
2	GASKET	NON-ASBESTOS	1
1	BOLT	M22 X 80L	14
NO.	PART NAME	DESCRIPTION	QTY

△									
△									
△									
△									
△									
△	2026.09.24	ISSUED FOR PROPOSAL							
REV. NO.	DATE	DESCRIPTION			DWG	CHK	APPD	APPD	APPD
PROJECT									
-									
MANUFACTURER									
									
TITLE									
HYF-0.01(PARKER)-100A OUTLINE									
ITEM NO.	HYP-100A	DWG NO.			GSA-HYF-100A-08			REV.	
SCALE	NONE								
1 (A1 : 841mm x 594mm)									