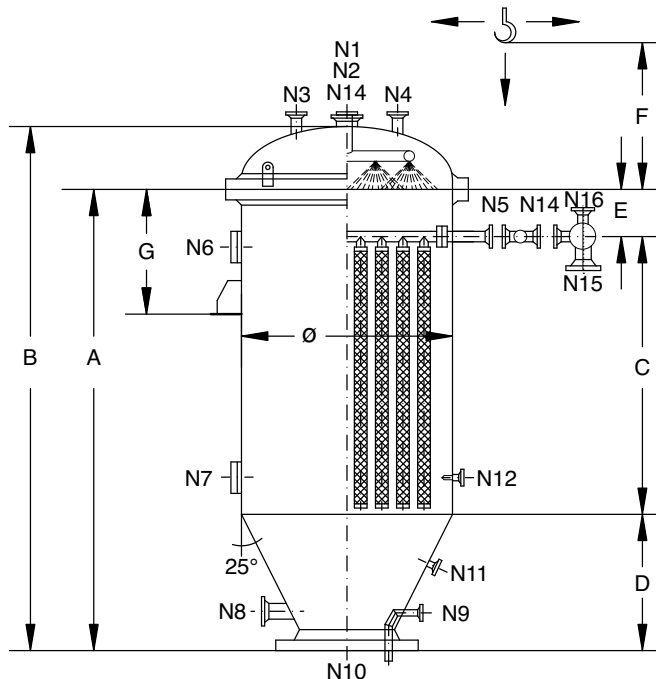
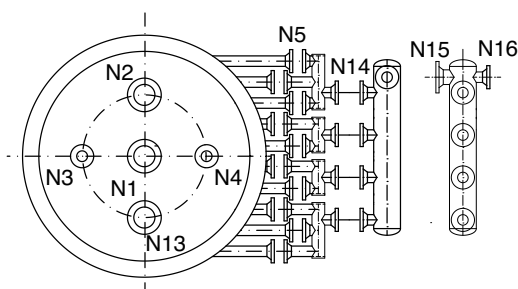


				FUNDABAC®- FILTER				SHEET 1 OF 2		
				CONTIBAC®-				CLIENT Venator / Huntsman P&A Finland		
				DESIGN	CHECK	DATE	REVISION	QUOTATION NO. / PO NO.		
				IS		23.03.17	0	2170310		
				IS		11.04.17	1	PROJECT NO.	ITEM NO.	
				IS		14.04.17	2		259.02 and 259.03	
				IS		08.05.17	3	SPEC NO.		
								300-031-006		
FILTER	1	Type		FUNDABAC®						
	2	Model		R-050.7-78-2500/T160Z						
	3	Area (m2)		50.7						
	4	Cake thickness nom. / max. (mm)		30		35				
	5	Cake volume/m2 nom. / max. (liter)		42		51				
	6	Cake volume nom. / max. (liter)		2129.4		2585.7				
VESSEL	7	Quantity		2						
	8	Code		PED / EN 13445						
	9	Inspection		Authorized Inspector						
	10	Code stamp required		CE-Stamp						
	11	Diameter outside (mm)		1700						
	12	Total height approx. (mm)		4830						
	13	Operating pressure vessel / jacket (bar g)		-0.75 / 2.0		-----				
	14	Design pressure vessel / jacket (barg g)		-1/9		-----				
	15	Test pressure vessel / jacket (bar g)		As per code		-----				
	16	Operating temperature vessel / jacket (°C)		70		-----				
	17	Design temperature vessel / jacket (°C)		100		-----				
	18	Material		1.4435		-----				
	19	Corrosion allowance vessel / jacket (mm)		1		-----				
	20	Volume approx. vessel / jacket (liter)		8597		-----				
	21	Weight empty with internals approx. (kg)		2576						
	22	Operating weight approx. (kg)		13322						
	23	Surface treatment inside	Lining	Pickled+Passivated						
	24	Surface treatment outside		Pickled+Passivated						
	25	Painting		NA						
	26	Flanges		DIN / EN						
	27	Bolts	Nuts	5.6		5.2				
	28	Gaskets		FP 3000 (equivalent to Durlon 8500)						
	29	Supports		four brackets						
	30	Lifting lugs		three on lid						
	31	Transport lugs		NA						
	32	Insulation supports		NA				client to advise if required		
	33	Insulation		NA						
	34	Earthing boss		one on bracket						
	35	Radiograph	Dye penetration	As per code		As per code				
	36	PWHT	Charpy	As per code		As per code				
	37	Seismic factor	Wind load (kN/m2)	NA		NA				
	FILTER INTERNALS	38	Registers no.	Material	10		1.4404			
		39	Register sealing	Material	O-Ring		EPDM			
		40	Filter candles no.	Material	78		1.4404	HD execution		
		41	Length (mm)	Spacing (mm)	2500		160			
		42	Filter candle pins no.	Material	NA		NA			
		43	Filter media no.	Type	78		B 11 U 010			
44		Length (mm)	Material	2630		PP				
45		Air permeability (l/dm2 min. at 20 mm WC)	Pore size (µm)	5-10		4.7				
46		Filter media fix. no.	Material	156		wire clamps ss	EPDM rubber sleeves to enhance sealing			
ACCESSORIES	47	Spray adapter	Spray ring	-		DN 50 Ø 850				
	48	Spray nozzles no.	Spray nozzle type	6		to be defined	-			
	49	Heel vol. plates no.	Material	-		-----				
	50	Soliphant								
	51									
	52									
OPTIONS	53	Headers no. / size	Material	2 x 3/1	50/80	1.4435				
	54	Headers no. / size	Material	2 x 2/1	50/80	1.4435				
	55	Manifold no. / size	Material	1 x 4/1	80/100	1.4435	Manifold pipe DN150 with DN 50 connection for blow back and DN100 filtrate outlet			
	56									
	57									
	58									
PROCESS INFORMATION	59	Application		TiO2 secret				-		
	60	Group		Dyes & Pigments						
	61	Liquid phase		-						
	62	Solid phase		-						
	63	Solids (w/w)	Solids (vol/vol)	124 g/L		-----				
	64	Density (kg/dm3)	pH	1.25		12				
	65	Viscosity (cps)	at temperature (°C)	-		-				
	66	Flow rate (l/m2h)	Capacity (m3/h)	-		-	-			
	67	Precoat	Body feed	-		-				

FUNDABAC®- CONTIBAC®- FILTER				SHEET 2 OF 2
DESIGN	CHECK	DATE	REVISION	CLIENT
IS		23.03.17	0	Venator / Huntsman P&A Finland
IS		11.04.17	1	QUOTATION NO. / PO NO.
IS		14.04.17	2	2170310
IS		08.05.17	3	PROJECT NO. ITEM NO.
				259.02 and 259.03
				SPEC NO.
				300-031-006



DIMENSIONS	68	Ø (mm)	1700
	69	A (mm)	4225
	70	B (mm)	4830
	71	C (mm)	2740
	72	D (mm)	1279
	73	E (mm)	206
	74	F (mm)	3500
	75	G (mm)	tbd
	76		
	77	Cone Angle	25°
	78		
	79		
	80		



For actual number of filtrate pipes see No.86(Qty) below

CONNECTIONS, NOZZLES AND COUPLINGS	81	MARK	QTY.	SIZE	RATING	SPEC	TYPE	SERVICE	LOCATION
	82	N1	1	DN80	PN16	EN 1092-1	RFWN	Spray ring	Head
	83	N2	1	DN100	PN16	EN 1092-1	RFWN	Overflow/Vent	Head
	84	N3	1	DN50	PN16	EN 1092-1	RFWN	Instrument	Head
	85	N4	1	DN50	PN16	EN 1092-1	RFWN	Instrument	Head
	86	N5	10	DN50	PN16	EN 1092-1	RFWN	Filtrate outlet (manual shut off valves)	Cylinder
	87	N6	1	DN100	PN16	DIN 28117	Pad	Sight glass	Cylinder
	88	N7	1	DN100	PN16	DIN 28117	Pad	Sight glass	Cylinder
	89	N8	1	DN150	PN16	EN 1092-1	RFWN	Feed Inlet	Cone
	90	N9	1	DN25	PN16	EN 1092-1	RFWN	Heel volume outlet	Cone
	91	N10	1	DN800	PN10	EN 1092-1	RFWN	Discharge Outlet	Cone
	92	N11	1	DN50	PN16	EN 1092-1	RFWN	Spare	Cone
	93	N12	1	DN25	PN16	EN 1092-1	RFWN	Temperature transmitter	Cylinder
	94	N13	1	DN100	PN16	EN 1092-1	RFWN	Safety relief	Head
	95	N14	4	DN80	PN16	EN 1092-1	RFWN	Filtrate outlet (for pneumatic valves)	Headers / collector
	96	N15	1	DN100	PN16	EN 1092-1	RFWN	Filtrate outlet from collector	Collector
	97	N16	1	DN50	PN16	EN 1092-1	RFWN	Blow back connection	Collector
	98	N17							
	99	N18							

NOTES	100	1. All figures on this sheet are approximate and not binding for the final execution.
	101	2. Nozzle load calculations are not included but can be performed according to WRC 107 at extra cost.
	102	3. All Internals are prefabricated stock parts and no restriction in regard of sourcing origin can be accepted
	103	
	104	
	105	
	106	
	107	