

Customer: *Kronospan Ltd.*

Project: *Filter for cyclone dust removal MDF 1*

Plant: *dust removal MDF 1*

Documentation

Data Sheet

<b>PULSE FILTER Single row</b>		<b>1,00 pc(s).</b>	<input type="checkbox"/> <b>EMC</b>	Order no.:	<b>182776</b>
<b>Model: sfdw 05/09-D-03</b>		<input type="checkbox"/> Welded construction	Customer pos.		
		<input type="checkbox"/> Low temperature design <-20°C	Scheuch pos. <b>1,01</b>		
<b>Dim. sheet:</b>		<b>Drawing no.: laut Anhang</b>		Serial no.: <b>F-1145/17</b>	
<b>Design data</b>			<input checked="" type="checkbox"/> Differential pressure measuring [mbar]:	35	
Gas flow rate [Am³/h]:	30.000		<input type="radio"/> Solenoid voltage:	24VDC	
Operating temperature [°C]:	20,0		<input checked="" type="checkbox"/> Valve box heating:	100 - 240VAC	
Peak temperature [°C]:	40,0		<input checked="" type="checkbox"/> Control unit:	PulseMaster Basic+ 100 - 240VAC 50/60Hz	
Type of dust:	MDF dust		Shortest pause time [sec]: (P15)		40
Inlet dust load [g/Nm³]:	0,00		Short pause time [sec]: (P16)		80
Outlet dust load [mg/Nm³]:	2,0		Long pause time [min]: (P17)		2,0
Filter area [m²]:	315,0		Longest pause time [min]: (P18)		2,5
A/C-ratio [Am³/m²/h]:	95,2		Pulse time [msec]: (P19)		80
<b>Installation of filter:</b>			dp-level 1 [mbar]: (P20)		4,0
Min. ambient temperature [°C]:	-10		dp-level 2 [mbar]: (P21)		5,0
Max. ambient temperature [°C]:	30		dp-level 3 [mbar]: (P22)		7,0
Filter location	<input type="checkbox"/> indoors	<input checked="" type="checkbox"/> outdoors	dp warning threshold [mbar]: (P24)		-
Fan:	<input type="checkbox"/> before	<input type="checkbox"/> after filter	dp-level error: (P25)		-
<b>Temperature and pressure rating</b>			dp-threshold alarm [mbar]:		12,0
Temperature rating [°C]:	<80		Control rate [min]:		-
Pressure rating [mbar]:	50		dp-setpoint (min) [mbar]:		-
Pressure-shock rating [mbar]:	130		dp-setpoint (max) [mbar]:		-
<b>ATEX zones</b>			Program type:(P06)		dp-thresholds
External:	n.e.		Cleaning order: (P08)		-
indoors-crude gas:	20	indoors-clean gas:	n.e.		<b>Hopper/Trough</b> Slope:
<b>Filter bags</b>			Discharge size:		x DIN 24158/R4
No.	135	Filter medium:	PES-2,0h 300/300		Max. filling level: <input checked="" type="checkbox"/> 1/3
Length [mm]:	4.500	Design:	<input checked="" type="checkbox"/> Wire ring bag		Level monitoring <input checked="" type="checkbox"/>
		<input type="checkbox"/> Snap ring bag	Screw diameter [mm]: 300		Screw inner tube Ø [mm]: 114,3
<b>Support cages</b>			Geared motor SEW:		<input type="checkbox"/> Design Ex II 3D
No.	135	Material:	1.0038		Power [kW]: 1,10 Speed [rpm]: 20,00
Longitudinal bars:	10	Consist of parts:	1		0
<b>Penthouse</b>			<input checked="" type="checkbox"/> Speed monitor		
Max. load of monorail [kg]:			<b>Casing / Crude-, clean gas channel</b>		
Max. load of hoist [kg]: 0,0			Material:		1.0038 <input checked="" type="checkbox"/> Bolted
<b>Compressed air</b>					<input type="checkbox"/> Welded
Connection [G"]:	3/4				<input type="radio"/> DIN 24158/R4
Setting filter controller [bar]:	5,5		Crude gas connection:		0600 x 0800
Consumption [Nm³/h ]:	21,5		Clean gas connection:		x
<b>Filter - accessories / design</b>			<b>Rupture disk(s)</b>		
<input type="checkbox"/> Insulation [mm]:			No.		Pressure rating:
Remarks:			<b>Filling level of Hopper/Trough</b>		
			Level:		1/3
			Bulk density [t/m³]:		<0,3