



# ASPC Project



<b>END CUSTOMER</b>	: Arya Sasol Polymer Company
<b>CONTRACTOR</b>	: DYPNF Co., Ltd.
<b>VENDOR NAME</b>	: Airpack Netherlands BV
<b>EQUIPMENT DESCRIPTION</b>	: Screw Compressor & Roots Blower
<b>PURCHASE ORDER NUMBER</b>	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-LST-0010  
Number

Airpack Document Number : 23383-11A

Document Title : Equipment list

Review Code and Status		Contractor Initials/Signature	Date signed
<input type="checkbox"/>	<b>Code 1</b> <b>REJECTED</b> - Vendor to revise and Resubmit. Work cannot proceed	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<b>Code 2</b> Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<b>Code 3</b> No Comments - Work may proceed.	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<b>Code 4</b> Information only - Review not required.	<input type="text"/>	<input type="text"/>

04	Issued for Approval	03-02-2026	OG	SC	JJ
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02	Issued for Approval	10-09-2025	SC	KP	JJ
01	Issued for Approval	08-08-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by

## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [COMPRESSOR]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)

**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)

**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty set(s)	Material	RPM	Capacity (Nm3/h)	Nozzle Size		Discharge Temperature (°C)	Discharge Pressure Bar G	Power		Remark	Rev
											In/Out	Rated			Shaft			
											(Inch)					(kw)		
1	Compressor	Screw	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	2	Body: EN-GJL-250 Rotor: C45N	6,994	6,254	12/10	189	1.89	356	450		0	
2	Fan	Axial	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Ventilation Fan	2	Blade : AL	1,440	14,009	-	-	-	2.3	3.0		0	
3	Pump	Gear	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Oil Pump	2	-	Shaft driven	-	-	-	-	Shaft driven	Shaft driven		0	

< NOTE >

### EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [FAN]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty set(s)	Material	RPM	Capacity (Nm <sup>3</sup> /h)	Nozzle Size		Design Temperature (°C)	Discharge Pressure Barg	Power		Remark	Rev
											In/Out				Shaft	Rated		
											(Inch)				(kw)			
1	Fan	Centrifugal	44C-50008	3944-VD-0180-DYP-RE-800-DWG-0036	50010	Elutriator Fan	1	SS316	2,930	600	5/5	80	0.03	0.7	3.7		0	

< NOTE >

**EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [COOLER]**



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type	Item No.	GA DWG No.	PID No.	Service	Q'ty set(s)	Material	Capacity (Nm <sup>3</sup> /h)	Duty (Kcal/h)	Nozzle Size (Inch)	Operating Temperature		Operating Pressure (Barg)	Design Temperature		Design Pressure		Remark	Rev	
											Shell	Tube		Shell	Tube	Shell	Tube			
											In/Out (°C)	In/Out (°C)		(°C)		Barg				
1	Cooler	Shell & Tube	44E-40001	3944-VD-0171-DYP-RE-400-DWG-0025	40010	Dilute Phase Compressor Suction Cooler	1	SS316	6,254	Later	16/16	38-48	80 / 50	5.5	120	120	7.5	6.0	Vertical	0
2	Cooler	Shell & Tube	44E-40002A/B	3944-VD-0171-DYP-RE-400-DWG-0028	40010/40020	Dilute Phase Compressor After Cooler	2	SS316	6,254	Later	10/10	38-48	Later / 60	5.5	120	260	7.5	6.0	Vertical	0

< NOTE >

## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [FILTER]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Filter Element	Capacity	Nozzle Size	Pressure		Temperature		Remark	Rev.
							set(s)					In/Out	Design	Operating	Design		
											(Nm <sup>3</sup> /h)	(Inch)	Barg		(°C)		
1	Filter	Pluse Jet	44F-20002	3944-VD-0171-DYP-RE-400-DWG-0049	20070	Blow Tank Vent Filter	1	SS316	PE Epit (Anti-Static)	1,635	8/8	15	13	120	35~90, 105		
2	Filter	Pluse Jet	44F-40002A/B	3944-VD-0171-DYP-RE-400-DWG-0037	40000	Feed Hopper Vent Filter	2	SS316	PE Epit+PTFE Membrane (Anti-Static)	1,300	6/20	6	3	160	105 ~ 120		
3	Filter	Cartridge	44F-40003A/B	3944-VD-0171-DYP-RE-400-DWG-0031	40010/40020	Compressor Suction Guard Filter	2	SS316	PE Cartridge (Anti-Static)	6,254	16/16	6	0.05	120	50 ~ 80		
4	Filter	Pluse Jet	44S-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0040	40030/40040	PCS Line Separator	2	SS316	PE Epit (Anti-Static)	6,254	10/20	6	0.17	120	100 ~ 115		
5	Filter	Pluse Jet	44F-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0043	40030/40040	Silo Vent Filter	2	SS316	PE Epit (Anti-Static)	2,319	ø1300/8	0.5	0.45	120	100 ~ 115		

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### EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [HOPPER]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type	Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Capacity	Volume	Nozzle Size	Pressure		Temperature		Remark	Rev.
						set(s)		(Ton/h)	(m3)	In/Out (Inch)	Design	Operating	Design	Operating		
											Barg		(°C)			
1	Hopper	44V-20001A/B	3944-VD-0171-DYP-RE-400-DWG-0046	20070	Blow Tank	2	SS316	Min. 3.5	1.0	5 / 6	15	13	120	35 ~ 90, 100		0
2	Hopper	44V-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0034	40000	Feed Hopper	2	SS316	50	2.0	20/20	6.0	2.5	160	105 ~ 120		0

< NOTE >

### EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [LOADING DEVICE]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type	Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Capacity	Loading Stroke Length	Total Length	Nozzle Size	Pressure		Temperature		Power		Remark	Rev.
						set(s)		(Ton/h)	(mm)	(mm)	In/Out/Vent	Design	Operating	Design	Operating	Shaft	Rated		
											(Inch)	Mpa G (kg/cm2g)		(°C)		(kw)			
1	Loading Device	44WS-50001	3944-VD-0171-DYP-RE-400-DWG-0061	50010	Powder Loading Device	1	SS316	20.0	2,100	ABT 4150	12 / Ø240 / 6	ATM	ATM	120	60	-	1.5		0

< NOTE >

## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [CONVEYING STATION / ROTARY VALVE]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	RPM	Capacity	Nozzle Size		Pressure		Temperature		Power		Remark	Rev.
											In/Out	Design	Design	Operating	Shaft	Rated				
											(Ton/h)	(Inch)	Barg	(°C)	(kw)					
1	Conveying Station	DropThrough	44Z-20002A/B	VD-0171-DYP-RE-400-DWG-0051	20070	Conveying Station for PCS Line	2	SS316	50Hz : 19.4 20Hz : 7.76	Max. 10 Min. 4	12 / 12	3.5	120	40~100, 105	1.32	2.2	- Include Electric Tracing	0		
2	Conveying Station	DropThrough	44Z-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0053	40000	Conveying Station for PCS Line	2	SS316	50Hz : 16.4 20Hz : 6.56	Max. 50 Min. 20	20 / 20	3.5	160	105~120	6	7.5	- Include Electric Tracing/Tight Type With Quick Cleaning	0		
3	Rotary Valve	DropThrough	44Z-40002A/B	3944-VD-0171-DYP-RE-400-DWG-0055	40030/40040	Rotary Valve for 44S-40001A/B Gravity Line	2	SS316	50Hz : 16.4 20Hz : 6.56	Max. 50 Min. 20	20 / 20	3.5	120	100~105	6	7.5	- Include Electric Tracing/Tight Type With Quick Cleaning	0		
4	Rotary Valve	DropThrough	44Z-40003A/B	3944-VD-0171-DYP-RE-400-DWG-0057	40030/40040	Rotary Valve for 44S-40001A/B Gravity Line	2	SS316	50Hz : 16.4 20Hz : 6.56	Max. 50 Min. 20	20 / 20	3.5	120	100~105	6	7.5	- Include Electric Tracing/Tight Type With Quick Cleaning	0		
5	Rotary Valve	DropThrough	44Z-40004A/B	3944-VD-0171-DYP-RE-400-DWG-0059	40030/40040	Rotary Valve for 44D-40001A/B Gravity Line	2	SS316	50Hz : 16.4 20Hz : 6.56	Max. 50 Min. 20	20 / 20	3.5	120	100~105	6	7.5	- Include Electric Tracing/Tight Type With Quick Cleaning	0		

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## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [DIVERTER VALVE]



**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)

**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)

**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Capacity (Ton/h)	Nozzle Size	Pressure	Temperature	Remark	Rev.
							set(s)			In/Out	Design	Design		
										(Inch)	Barg	(°C)		
1	Diverter Valve	Ball	44L-40001	3944-VD-0171-DYP-RE-400-DWG-0065	40000	Diverter For Conveying Line	1	SS316	50	10 / 10	3.5	160		0
2	Diverter Valve	Ball	44L-40002	3944-VD-0171-DYP-RE-400-DWG-0065	40030	Diverter For Conveying Line	1	SS316	50	8 / 8	3.5	160		0
3	Diverter Valve	Flat	44L-50002	3944-VD-0171-DYP-RE-400-DWG-0065	50010	Diverter For 44WS-50005 Gravity Line	1	SS316	50	14/14	3.5	120		0
4	Diverter Valve	Flat	44L-50001A/B	3944-VD-0171-DYP-RE-400-DWG-0065	50010	Diverter For 44Z-40004A/B Gravity Line	2	SS316	50	16/16	1.5	120		0
5	Diverter Valve	Flat	44L-50004	3944-VD-0180-DYP-RE-800-DWG-0087	50000	Diverter For 44X-50002 Gravity Line	1	SS316	2	14 / 14	0.2	100		0

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## EQUIPMENT LIST FOR DILUTE PHASE CONVEYING PACKAGE [SILENCER]

**PROJET :** MFC PROJECT  
**SERVICE :** DILUTE PHASE CONVEYING PACKAGE  
**DOC No. :** VP-732-ME-7001-701

REV.	DATE	DESCRIPTION	By	Chk'd	App'd
3	Nov. 27. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W. Seo
2	Aug. 20. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W. Seo

No	Type	Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Nozzle Size	Pressure	Temperature	Remark	Rev.
						set(s)		In/Out	Design	Design		
								(Inch)	Mpa G (kg/cm2g)	(°C)		
1	Silencer	732-S- 7020A/B	VP-732-ME-7001-731	B180400-732-A1707 VP-PM-732PK-007-010-7	Dilute Phase Blower Suction Silencer	2	A240-304/304L	14 / 14	0.095 (0.97)	120	-. Include 732-K-7001A/B	
2	Silencer	732-S- 7021A/B	VP-732-ME-7001-731	B180400-732-A1707 VP-PM-732PK-007-010-7	Dilute Phase Blower Discharge Silencer	2	A240-304/304L	14 / 14	0.095 (0.97)	120	-. Include 732-K-7001A/B	
3	Silencer	732-S- 7002A~D	VP-732-ME-7001-731	B180400-732-A1708 VP-PM-732PK-007-010-9	Product Blower Suction Silencer	4	A240-304/304L	14 / 14	0.095 (0.97)	120	-. Include 732-K-7011A~D	
4	Silencer	732-S- 7011A~D	VP-732-ME-7001-731	B180400-732-A1708 VP-PM-732PK-007-010-9	Product Blower Discharge Silencer	4	A240-304/304L	14 / 14	0.095 (0.97)	120	-. Include 732-K-7011A~D	
5	Silencer	732-S- 7013	VP-732-ME-7001-739	B180400-732-A1711 VP-PM-732PK-007-010-12	Vent Filter Suction Fan Discharge Silencer	1	A240-304/304L	□ 258x1,140 / Ø1,200	0.095 (0.97)	80	-. Include 732-K-7013	
6	Silencer	732-S- 7023	VP-732-ME-7001-739	B180400-732-A1714 VP-PM-732PK-007-010-15	Vent Filter Suction Fan Discharge Silencer	1	A240-304/304L	□ 258x1,140 / Ø1,200	0.095 (0.97)	80	-. Include 732-K-7023	
7	Silencer	732-S- 9002A~C	VP-732-ME-7001-739	B180400-732-A1905 VP-PM-732PK-007-010-16	Elutriator Fan Inlet Silencer	3	A240-304/304L	□ 1280 / Ø470	0.0165 (0.168)	80	-. Include 732-K-9002A~C	
8	Silencer	732-S- 9003A~C	VP-732-ME-7001-739	B180400-732-A1905 VP-PM-732PK-007-010-16	Elutriator Fan Discharge Silencer	3	A240-304/304L	20 / 20	0.0165 (0.168)	80	-. Include 732-K-9002A~C	
9	Silencer	732-S- 9005	VP-732-ME-7001-731	B180400-732-A1904 VP-PM-732PK-007-010-17	Repacking Blower Suction Silencer	1	A240-304/304L	12.7 / 8	0.095 (0.97)	120	-. Include 732-K-9005	
10	Silencer	732-S- 9006	VP-732-ME-7001-731	B180400-732-A1904 VP-PM-732PK-007-010-17	Repacking Blower Discharge Silencer	1	A240-304/304L	8 / 8	0.095 (0.97)	120	-. Include 732-K-9005	
11	Silencer	732-S- 7004	VP-732-ME-7001-757	B180400-732-A1711 VP-PM-732PK-007-010-12	Discharge Silencer for Blow-off system	1	A240-304/304L	6 / 6	0.095 (0.97)	120	-. Blow-off System	
12	Silencer	732-S- 7005	VP-732-ME-7001-757	B180400-732-A1714 VP-PM-732PK-007-010-15	Discharge Silencer for Blow-off system	1	A240-304/304L	6 / 6	0.095 (0.97)	120	-. Blow-off System	

< NOTE >








## EQUIPMENT LIST FOR DILUTE PHASE CONVEYING PACKAGE [ROTARY VALVE]

**PROJET :** MFC PROJECT  
**SERVICE :** DILUTE PHASE CONVEYING PACKAGE  
**DOC No. :** VP-732-ME-7001-701

No	Type	Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	RPM	Capacity	Nozzle Size	Pressure		Temperature		Power		Remark	Rev.
											In/Out	Design	Design	Operating	Shaft	Rated		
											(Ton/h)	(Inch)	Mpa G (kg/cm2g)	(°C)	(kw)			
1	Rotary Valve	DropThrough	732-RV- 6008	VP-732-ME-7001-741	B180400-732-A1612 VP-PM-732PK-007-010-8	Scalping Screen Hopper Rotary Valve	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-6008 - Rotation view form gear : CCW	3
2	Rotary Valve	DropThrough	732-RV- 7012A~B	VP-732-ME-7001-741	B180400-732-A1709 VP-PM-732PK-007-010-10	Product Silo Rotary Valve (Train 1)	2	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7012A/B - Rotation view form gear : CCW	3
3	Rotary Valve	DropThrough	732-RV- 7012C~D	VP-732-ME-7001-741	B180400-732-A1710 VP-PM-732PK-007-010-11	Product Silo Rotary Valve (Train 1)	2	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7012C/D - Rotation view form gear : CCW	3
4	Rotary Valve	DropThrough	732-RV- 7012E	VP-732-ME-7001-741	B180400-732-A1711 VP-PM-732PK-007-010-12	Product Silo Rotary Valve (Train 1)	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7012E - Rotation view form gear : CCW	3
5	Rotary Valve	DropThrough	732-RV- 7022A~B	VP-732-ME-7001-741	B180400-732-A1712 VP-PM-732PK-007-010-13	Product Silo Rotary Valve (Train 2)	2	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7022A/B - Rotation view form gear : CCW	3
6	Rotary Valve	DropThrough	732-RV- 7022C~D	VP-732-ME-7001-741	B180400-732-A1713 VP-PM-732PK-007-010-14	Product Silo Rotary Valve (Train 2)	2	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7022C/D - Rotation view form gear : CCW	3
7	Rotary Valve	DropThrough	732-RV- 7022E	VP-732-ME-7001-741	B180400-732-A1714 VP-PM-732PK-007-010-15	Product Silo Rotary Valve (Train 2)	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 24.47 20Hz : 8.16	Max. 90 Min. 35.2	20 / 20	0.15 (1.5)	120	80	4.19	5.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-7022E - Rotation view form gear : CCW	3
8	Rotary Valve	DropThrough	732-RV- 9012A~C	VP-732-ME-7001-741	B180400-732-A1905 VP-PM-732PK-007-010-16	Elutriator Rotary Valve	3	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Run signal : 24.47	Max. 90	20 / 20	0.15 (1.5)	120	60	4.19	5.5	- Fixed - Rotation view form gear : CCW	3
9	Rotary Valve	DropThrough	732-RV- 9005	VP-732-ME-7001-741	B180400-732-A1907 VP-PM-732PK-007-010-19	Repacking Hopper Rotary Valve	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	60Hz : 23.18 20Hz : 7.73	Max. 15 Min. 6.3	12 / 12	0.15 (1.5)	100	60	1.12	1.5	- VVVF (20Hz ~ 60Hz) - Include 732-C-9007 - Rotation view form gear : CCW	3
10	Rotary Valve	DropThrough	732-RV- 7013	VP-732-ME-7001-741	B180400-732-A1711 VP-PM-732PK-007-010-12	Vent Filter Discharge Rotary Valve (Train 1)	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Run signal : 30	6	10 / 10	0.0098 (0.1)	120	60	0.52	1.5	- Fixed - Rotation view form gear : CCW	3
11	Rotary Valve	DropThrough	732-RV- 7023	VP-732-ME-7001-741	B180400-732-A1714 VP-PM-732PK-007-010-15	Vent Filter Discharge Rotary Valve (Train 2)	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Run signal : 30	6	10 / 10	0.0098 (0.1)	120	60	0.52	1.5	- Fixed - Rotation view form gear : CCW	3
12	Rotary Valve	DropThrough	732-RV- 9004A~C	VP-732-ME-7001-741	B180400-732-A1905 VP-PM-732PK-007-010-16	Discharge Rotary Valve for Vent Filter	3	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Run signal : 30	6	10 / 10	0.0098 (0.1)	120	60	0.52	1.5	- Fixed - Rotation view form gear : CCW	3

< NOTE >

## EQUIPMENT LIST FOR DILUTE PHASE CONVEYING PACKAGE [DIVERTER VALVE]

**PROJET :** MFC PROJECT  
**SERVICE :** DILUTE PHASE CONVEYING PACKAGE  
**DOC No. :** VP-732-ME-7001-701

REV.	DATE	DESCRIPTION	By	Chk'd	App'd
3	Nov. 27. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W Seo
2	Aug. 20. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W Seo



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Capacity	Nozzle Size	Pressure	Temperature	Remark	Rev.
							set(s)		(Ton/h)	In/Out	Design	Design		
										(Inch)	Mpa G (kg/cm2g)	(°C)		
1	Diverter Valve	Plug	732-XV- 61206	VP-732-ME-7001-743	B180400-732-A1612 VP-PM-732PK-007-010-8	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	12 / 12	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
2	Diverter Valve	Plug	732-XV- 70911A	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
3	Diverter Valve	Plug	732-XV- 70911B	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
4	Diverter Valve	Plug	732-XV- 71011C	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
5	Diverter Valve	Plug	732-XV- 71011D	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
6	Diverter Valve	Plug	732-XV- 71211A	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
7	Diverter Valve	Plug	732-XV- 71211B	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
8	Diverter Valve	Plug	732-XV- 71311C	VP-732-ME-7001-743	B180400-732-A1713 VP-PM-732PK-007-010-14	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
9	Diverter Valve	Plug	732-XV- 71311D	VP-732-ME-7001-743	B180400-732-A1713 VP-PM-732PK-007-010-14	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
10	Diverter Valve	Plug	732-XV- 70902	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	12 / 12	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
11	Diverter Valve	Plug	732-XV- 70901	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	12 / 12	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
12	Diverter Valve	Plug	732-XV- 71202	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	12 / 12	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
13	Diverter Valve	Plug	732-XV- 71201	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	12 / 12	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
14	Diverter Valve	Plug	732-XV- 70921A	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
15	Diverter Valve	Plug	732-XV- 70921B	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
16	Diverter Valve	Plug	732-XV- 71021C	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
17	Diverter Valve	Plug	732-XV- 71021D	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
18	Diverter Valve	Plug	732-XV- 71221A	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
19	Diverter Valve	Plug	732-XV- 71221B	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	

## EQUIPMENT LIST FOR DILUTE PHASE CONVEYING PACKAGE [DIVERTER VALVE]


**PROJ :** MFC PROJECT  
**SERVICE :** DILUTE PHASE CONVEYING PACKAGE  
**DOC No. :** VP-732-ME-7001-701

REV.	DATE	DESCRIPTION	By	Chk'd	App'd
3	Nov. 27. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W. Seo
2	Aug. 20. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W. Seo



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Capacity	Nozzle Size	Pressure	Temperature	Remark	Rev.
							set(s)		(Ton/h)	In/Out	Design	Design		
										(Inch)	Mpa G (kg/cm2g)	(°C)		
20	Diverter Valve	Plug	732-XV- 71321C	VP-732-ME-7001-743	B180400-732-A1713 VP-PM-732PK-007-010-14	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
21	Diverter Valve	Plug	732-XV- 71321D	VP-732-ME-7001-743	B180400-732-A1713 VP-PM-732PK-007-010-14	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
22	Diverter Valve	Plug	732-XV- 90531A	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
23	Diverter Valve	Plug	732-XV- 90521A	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
24	Diverter Valve	Plug	732-XV- 90511A	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
25	Diverter Valve	Plug	732-XV- 90531B	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
26	Diverter Valve	Plug	732-XV- 90521B	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
27	Diverter Valve	Plug	732-XV- 90511B	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
28	Diverter Valve	Plug	732-XV- 90511C	VP-732-ME-7001-743	B180400-732-A1905 VP-PM-732PK-007-010-16	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	14 / 14	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
29	Diverter Valve	Plug	732-XV- 90711C	VP-732-ME-7001-743	B180400-732-A1907 VP-PM-732PK-007-010-19	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 15	6 / 6	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
30	Diverter Valve	Plug	732-XV- 90611B	VP-732-ME-7001-743	B180400-732-A1906 VP-PM-732PK-007-010-18	Diverter For Conveying Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 15	6 / 6	0.098 (1.0)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
31	Diverter Valve	Flap	732-XV- 70941A	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A351-CF8 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
32	Diverter Valve	Flap	732-XV- 70941B	VP-732-ME-7001-743	B180400-732-A1709 VP-PM-732PK-007-010-10	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
33	Diverter Valve	Flap	732-XV- 71041C	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
34	Diverter Valve	Flap	732-XV- 71041D	VP-732-ME-7001-743	B180400-732-A1710 VP-PM-732PK-007-010-11	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
35	Diverter Valve	Flap	732-XV- 71141E	VP-732-ME-7001-743	B180400-732-A1711 VP-PM-732PK-007-010-12	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
36	Diverter Valve	Flap	732-XV- 71241A	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
37	Diverter Valve	Flap	732-XV- 71241B	VP-732-ME-7001-743	B180400-732-A1712 VP-PM-732PK-007-010-13	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	
38	Diverter Valve	Flap	732-XV- 71341C	VP-732-ME-7001-743	B180400-732-A1713 VP-PM-732PK-007-010-14	Diverter For Gravity Line	1	Body: A351-CF8 Rotor: A240-304 Cover: A351-CF8	Max. 90	16 / 16	0.095 (0.97)	120	- Include Actuator, Solenoid Valve, Limit Switch, Air Unit	



REV.	DATE	DESCRIPTION	By	Chk'd	App'd	
3	Nov. 27. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W Seo	
2	Aug. 20. 2020	Final (As per Marked)	H.Y. Kim	M.J. Park	J.W Seo	

A	May. 14. 2019	For Approval	H.Y. Kim	M.J. Park	J.W Seo
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## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM [COMPRESSOR]

PROJET : 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)

SERVICE : POWDER CONVEYING SYSTEM

DOC No. :



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Driver Type	Medium	RPM	Capacity		Nozzle Size In/Out (Inch)	Suction Temperature (°C)	Suction Pressure Barg	Discharge Temperature (°C)	Discharge Pressure Barg	Pressure Difference Bar	Power		Remark	Rev
												(Nm3/h)	(m3/h)							Shaft	Rated		
							set(s)	(kw)															
1	Compressor	Oil Free Screw	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	N2	6,994	6,416	7,191	12/10	48	0.05	189	1.89	1.84	356	450	Oil Pump Driven Through Gearbox Total Weight : 13,200 kg	1
2	Ventilation Fan	Forced Draft	44C-40001A/B-C3	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	14,009	-	-	-	-	-	-	-	2.3	3.0		1
3	Oil Demister	Cyclone	44C-40001A/B-F1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		1
4	Oil Pump	Gear	44C-40001A/B-P1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part of compressor block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
5	Oil Cooler	Air-Cooled	44C-40001A/B-C2	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
6	Oil Sump	-	44C-40001A/B-V1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
7	Compressor	Oil Free Screw	44C-80001A/B	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,247	5,441	10/10	5~48	ATM	167	1.46	1.46	195	250	- Include Intake Filter/Oil Pump Driven Through Gearbox Total Weight : 8,850 kg	1
8	Blower	Oil Free Roots	44C-80002A/B	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Dilute Phase Blower	1+1	Casing: EN-GJL-250 Rotor: EN-GJS-500	Electric Motor	Air	2,244	4,266	5,502	10/10	5~48	ATM	154	0.97	0.97	193	250	- Include Intake Filter/Ventilation Fan Driven Through V-Belt Total Weight : 3,740 kg	1
9	Compressor	Oil Free Screw	44C-80004A/B	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	5,860	7,339	9,467	10/10	5~48	ATM	205	2.20	2.20	479	560	- Include Intake Filter/Ventilation Fan & Oil Pump Driven Through Gearbox	1
10	Compressor	Oil Free Screw	44C-80005A/B/C	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,226	5,451	10/10	5~48	ATM	164	1.41	1.41	189	250	- Include Intake Filter/Oil Pump Driven Through Gearbox Total Weight : 8,850 kg	1
11	Ventilation Fan	Forced Draft	44C-80001A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	14,009	-	-	-	-	-	-	-	2.3	3.0		1
12	Ventilation Fan	Forced Draft	44C-80002A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Ventilation Fan	1+1	Blade : AL	-	-	Shaft driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
13	Ventilation Fan	Forced Draft	44C-80004A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Ventilation Fan	1+1	Blade : AL	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
14	Ventilation Fan	Forced Draft	44C-80005A/B/C-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Ventilation Fan	2+1	Blade : AL	Electric Motor	-	1,440	14,009	-	-	-	-	-	-	-	2.3	3.0		1
15	Oil Demister	Cyclone	44C-80001A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		1
16	Oil Demister	Cyclone	44C-80004A/B-D-F1	3944-VD-0180-DYP-RE-800-DWG-0028	80050	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		1
17	Oil Demister	Cyclone	44C-80005A/B/C-D-F1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		1
18	Oil Pump	Gear	44C-80001A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part of compressor block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
19	Oil Pump	Gear	44C-80004A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0028	80050	Dilute Phase Compressor	1+1	Part of compressor block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
20	Oil Pump	Gear	44C-80005A/B/C-P1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part of compressor block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		1
21	Oil Cooler	Air-Cooled	44C-80001A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
22	Oil Cooler	Air-Cooled	44C-80004A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0028	80050	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
23	Oil Cooler	Air-Cooled	44C-80005A/B/C-C2	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
24	Oil Sump	-	44C-80001A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
25	Oil Sump	-	44C-80004A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0028	80050	Dilute Phase Compressor	1+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1
26	Oil Sump	-	44C-80005A/B/C-V1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part of compressor block	-	-	-	-	-	-	-	-	-	-	-	-	-		1

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## EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [COMPRESSOR]

**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** POWDER CONVEYING SYSTEM(44W-40001)  
**DOC No. :** 3944-VD-0171-DYP-RE-400-LST-0011



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty set(s)	Material	Driver Type	Medium	RPM	Capacity		Nozzle Size In/Out	Suction Temperature (°C)	Suction Pressure Barg	Discharge Temperature (°C)	Discharge Pressure Barg	Pressure Difference Bar	Power		Remark	Rev	
												Normal Capacity (m3/h)	Rated Capacity (m3/h)							Shaft (kw)	Rated			
												(m3/h)	(m3/h)	(Inch)	(°C)	Barg	(°C)	Barg	Bar	(kw)				
1	Compressor	Oil Free Screw	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	N2	6,994	6,450	7,290	12/10	48	0.05	189	1.89	1.84	356	450	Oil Pump Driven Through Gearbox Total Weight : 13,200 kg	5	
2	Ventilation Fan	Forced Draft	44C-40001A/B-C3	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	-	2.3	3.0		5
3	Oil Demister	Cyclone	44C-40001A/B-F1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	-	0.37	0.37		5
4	Oil Pump	Gear	44C-40001A/B-P1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	1.1	-	-	55	3.5	-	-	Shaft Driven	Shaft Driven		5	
5	Oil Cooler	Air-Cooled	44C-40001A/B-E1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	55	3.5	45	3.5	-	-	-	-		5	
6	Oil Sump	-	44C-40001A/B-V1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	EN-GJL-250	-	-	-	-	-	-	-	-	-	-	-	-	-		5	

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## EQUIPMENT LIST FOR PELLET CONVEYING SYSTEM(W-80008) [COMPRESSOR]

**PROJET :** 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)  
**SERVICE :** PELLET CONVEYING SYSTEM(44W-80008)  
**DOC No. :** 3944-VD-0180-DYP-RE-800-LST-0010



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Driver Type	Medium	RPM	Capacity		Nozzle Size	Suction Temperature	Suction Pressure	Discharge Temperature	Discharge Pressure	Pressure Difference	Power		Remark	Rev
												Normal Capacity	Rated Capacity	In/Out	(°C)	Barg	(°C)	Barg	Bar	Shaft	Rated		
												(Nm <sup>3</sup> /h)	(Nm <sup>3</sup> /h)	(Inch)	(°C)	Barg	(°C)	Barg	Bar	(kw)			
1	Compressor	Oil Free Screw	44C-80001A/B	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,247	4,247	10/10	5~48	ATM	167	1.46	1.46	196	250	Include Oil Cooler/Intake Filter/Oil Pump Driven Through Gearbox Total Weight : 4,650 kg	5
2	Blower	Oil Free Roots	44C-80002A/B	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Dilute Phase Blower	1+1	Casing: EN-GJL-250 Rotor: EN-GJS-500-7	Electric Motor	Air	2,244	4,257	4,266	10/10	5~48	ATM	154	0.97	0.97	193	250	Include Intake Filter/Ventilation Fan Driven Through V-Belt Total Weight : 3,745 kg	5
3	Compressor	Oil Free Screw	44C-80004A/B	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	5,860	7,185	7,339	10/10	5~48	ATM	205	2.20	2.20	479	590	Include Oil Cooler/Intake Filter/Ventilation Fan & Oil Pump Driven Through Gearbox Total Weight : 14,000 kg	5
4	Compressor	Oil Free Screw	44C-80005A/B/C	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,095	4,226	10/10	5~48	ATM	164	1.41	1.41	189	250	Include Oil Cooler/Intake Filter/Oil Pump Driven Through Gearbox Total Weight : 8,850 kg	5
5	Ventilation Fan	Forced Draft	44C-80001A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	2.3	3.0		5
6	Ventilation Fan	Forced Draft	44C-80002A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Ventilation Fan	1+1	Blade : AL	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		5
7	Ventilation Fan	Forced Draft	44C-80004A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80040	Ventilation Fan	1+1	Blade : AL	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		5
8	Ventilation Fan	Forced Draft	44C-80005A/B/C-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Ventilation Fan	2+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	2.3	3.0		5
9	Oil Demister	Cyclone	44C-80001A/B-F2	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		5
10	Oil Demister	Cyclone	44C-80004A/B-D-F2	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		5
11	Oil Demister	Cyclone	44C-80005A/B/C-D-F2	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		5
12	Oil Pump	Gear	44C-80001A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	1.3	-	-	-	55	3.5	-	Shaft Driven	Shaft Driven		5
13	Oil Pump	Gear	44C-80004A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	1.5	-	-	-	55	3.5	-	Shaft Driven	Shaft Driven		5
14	Oil Pump	Gear	44C-80005A/B/C-P1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part Of Compressor Block	-	-	Shaft Driven	-	1.3	-	-	-	55	3.5	-	Shaft Driven	Shaft Driven		5
15	Oil Cooler	Air-Cooled	44C-80001A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	1.3	-	55	3.5	45	3.5	-	-	-		5
16	Oil Cooler	Air-Cooled	44C-80004A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	1.5	-	55	3.5	45	3.5	-	-	-		5
17	Oil Cooler	Air-Cooled	44C-80005A/B/C-C2	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part Of Compressor Block	-	-	-	-	1.3	-	55	3.5	45	3.5	-	-	-		5
18	Oil Sump	-	44C-80001A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	EN-GJL-250	-	-	-	-	-	55	ATM	-	-	-	-	-	-		5
19	Oil Sump	-	44C-80004A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	EN-GJL-250	-	-	-	-	-	55	ATM	-	-	-	-	-	-		5
20	Oil Sump	-	44C-80005A/B/C-V1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	EN-GJL-250	-	-	-	-	-	55	ATM	-	-	-	-	-	-		5
21	Suction Filter	Carriage	44C-80001A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Carbon Steel	-	-	-	-	-	55	3.5	-	-	-	-	-	-		5
22	Suction Filter	Carriage	44C-80002A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Dilute Phase Blower	1+1	Carbon Steel	-	-	-	-	-	55	3.5	-	-	-	-	-	-		5
23	Suction Filter	Carriage	44C-80004A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Carbon Steel	-	-	-	-	-	55	3.5	-	-	-	-	-	-		5
24	Suction Filter	Carriage	44C-80005A/B/C-F1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Carbon Steel	-	-	-	-	-	55	3.5	-	-	-	-	-	-		5

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