



# Technical Data

Assembly group	Pos.	Set data	
100	1000	<b>Ploughshare Mixer</b> for mixing veterinär products (mixing wheat flour, corn with additives and oil) Manufacturer: Lödige Type: FKM 6000 D Number: 16634 Size: 6000 liters Useful volume: 1500 - 4200 Liter Speed: 18 - 90 1/min.	
100	1010	<b>Filter sock DN 350</b> Manufacturer: Woku Size: Filter sock DN 370 Material Polyester, stainless steel needlefelt with PTFE Membran Connection locking collar Add. equipment: Filter sock with snap ring	
100	1011	<b>Cleaning process adapter DN 350 for Vent</b> Manufacturer: Lödige Size: DN 350 Connection locking collar Add. equipment: Nozzle: rotating spray ball RPB 35 and spate cleaner Tanko S20 Manufacturing by AWH Pipe connection DN 15 DIN32676	
100	1012	<b>Cover for filter</b> Manufacturer: Lödige Size: DN 450 Connection locking collar Aspiration connection DN 100 DIN32676	
100	1020/ 1021/	Safety tumbler solenoid operated Query if cleaning door is closed Manufacturer : Haake & Seims Type: HST-TZ1-UV CODE:16634  Add. equipm.: Key: key code 16634 Evaluation: Inside the control point Rotary switch with electromagnet Type: HST-MU2-22-24D Voltage: 24 V DC	
100	1080	Safety Sensor Discharge adapterfor rising water mounted Manufacturer : Elobau Type: 671262 NU-0-6 Ex. proofness: ATEX II2G/D Add. equipm.: Mechanical screw for mixer after run time Evaluation: Inside the control cabbinet	

All aspects listed above have been checked and comply with requirements  
*Alle oben angeführten Aspekte wurden überprüft und entsprechen den Anforderungen*

Author / Erstellt durch: Gebr. Lödige; Berg	Date / Datum:	
	5. Januar 2012	



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Assembly group	Pos.	Set data	
100	1101	Motor Main shaft drive Manufacturer: WEG Type: BG 315 S / M 4-pol. Speed by 50 Hz = 1485 RPM el. power: 110,0 KW Voltage: 400/690 V, 50 Hz Protection: IP 55 Add. equipment: constant counter moment 2:1 frequency controlled, PTC resistor Gear Manufacturer Siemens Type H2SH07AL Translation 1:16	
100	1102	Frequency converter for speed adjustment Main shaft speed of mixer Manufacturer : Schneider Type Altiva 71 Power 110 KW	
100	1103	Current of mixer main shaft Manufacturer : PLC and frequency converter	
100	1141/ 1145	Temperature probe 2 x PT 100 Seal control at drive side - 50°C - +400°C Manufacturer : E&H Type: TST310- B1A2B3C8D1AH Ex. proofness: ATEX II3D Size: d=6 , L=100 mm Mesuring range - 50°C - +400°C Add. equipm.: without transducers	
100	1142/ 1146	Temperature switch Seal control at drive side Temperature transducer Manufacturer : Endress & Hauser Type: TMT182-H3WBA Ex. proofness: ATEX II3G + II3D  Limiter Manufacturer : Endress & Hauser Type: RMA422-B22A32A Output 2x E/A: 0/4-20mA -2xRelais Out SIL - HE. 24V DC	
100	1151/ 1155	Temperature probe 2 x PT 100 Seal control at non-drive side - 40°C - +200°C Type: TST310- B1A2B3C8D1AH Ex. proofness: ATEX II3D Size: d=6 , L=100 mm Mesuring range - 50°C - +400°C Add. equipm.: without transducers	

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# Technical Data

Assembly group	Pos.	Set data	
100	1152/ 1156	Temperature switch Seal control at non-drive side Temperature transducer Manufacturer : Endress & Hauser Type: TMT182-H3WBA Ex. proofness: ATEX II3G + II3D  Limiter Manufacturer : Endress & Hauser Type: RMA422-B22A32A Output 2x E/A: 0/4-20mA -2xRelais Out SIL - HE. 24V DC	
100	1210	Pneum. drive Operation of discharge door Manufacturer: Remote Control Type: RC 260 DAR Capacity: Max. pressure. : 10 bar	
100	1211/ 1212	Limit switches Position indicator for CLOSED/OPEN Manufacturer Telemequanik Type: ZCK-J5 WITH ZCK-E629 With steel roller plunger Protection: IP 66	
100	1213/ 1214	Solenoid valve 5/2 way Actuation of discharge door Manufacturer: Festo Type: 5/2 Way valve JMFH-5-1/4 Capacity: Pe: 1-10 bar Measuring function: 2 coils type 4210 ex, impulse, not stably	
400	4000	Control cabinet Manufacturer: Rittal Size: BxHxT 2400 x 2000 x 500 Stainless steel Control unit with plinth	
400	4100	Pneumatic cabinet Manufacturer: Lödige Type: Hygieneausführung Pneumatic unit with integreted terminal board	
400	4110	Manufacturer: Festo Type: MPA-FB-VI 16 x 3/2 Way solid valve No: 530411 Size CPX Professional bus interface DP Valve cluster 24 D DC	Control all diaphragm valves see PID
400	4200	Control point for service operation Manufacturer: Lödige Type: Hygieneausführung	

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Assembly group	Pos.	Set data	
400	4711	Pressure reducer with filter Supply of compressed air Manufacturer: Festo Type: MS4-LFR-1/4-D6-ERM-AS Number: 529148 Capacity: p1max: 14 bar p2max: 7 bar	
400	4731	Manual valve Supply of compressed air Manufacturer: Festo Type: MS6-EM1-1/2 Capacity: P1 max.: 18 bar tmax.: 60°C	
400	4732	Solenoid valve 3/2 way Way of compressed air to the seals Manufacturer: Festo Type: MS6-EE-1/2-10V24 Capacity: p1:4-18 bar tmax.: 60°C Voltage 24 V DC	
400	4751	Pressure reducer Supply of working air Manufacturer: Festo Type: MS6-LRP-1/4-D4-A8 Number: 538006 Capacity: p1max.: 14 bar p2max.: 2,5 bar	
400	4752	Pressure switch Supply of working air Manufacturer : Festo Type: SDE1-D10-G2-MS-L-P1-M8 output switch contact PNP	
400	4761	Pressure reducer Supply compressed air for blowing out Manufacturer: Festo Type: MS6-LR-1/4-D5-AS Capacity: p1max.: 14 bar p2max.: 4 bar	
500	5710	Feeding nozzle for liquid Manufacturer: Schlick Type: Mod.100/2 form 7-1 S 35 Size DN32 Connection mixer DN 32 with Clamp DIN 32676 fluid connection: G3/8" AG Control air connection: G1/4" AG Function: The nozzle opens the liquid addition at 1,5 bar and closes under 0,8 bar Hole 3,6mm with cleaning needle	

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# Technical Data

Assembly group	Pos.	Set data	
500	5711	Feeding nozzle for liquid Manufacturer: Schlick Type: Mod.100/2 form 7-1 S 35 Size DN32 Connection mixer DN 32 with Clamp DIN 32676 fluid connection: G3/8" AG Control air connection: G1/4" AG Function: The nozzle opens the liquid addition at 1,5 bar and closes under 0,8 bar Hole 3,6mm with cleaning needle	
500	5712	Feeding nozzle for liquid Manufacturer: Schlick Type: Mod.100/2 form 7-1 S 35 Size DN32 Connection mixer DN 32 with Clamp DIN 32676 fluid connection: G3/8" AG Control air connection: G1/4" AG Function: The nozzle opens the liquid addition at 1,5 bar and closes under 0,8 bar Hole 3,6mm with cleaning needle	
500	5713	Feeding nozzle for liquid Manufacturer: Schlick Type: Mod.100/2 form 7-1 S 35 Size DN32 Connection mixer DN 32 with Clamp DIN 32676 fluid connection: G3/8" AG Control air connection: G1/4" AG Function: The nozzle opens the liquid addition at 1,5 bar and closes under 0,8 bar Hole 3,6mm with cleaning needle	
800	8103	Flowmeter Seal control at drive side 2 - 200 NL/min Manufacturer : Festo Type: SFAB200UWQ82SAM12-5QA Mesuring range 2 - 200 NL/min Protection: IP 65 analogue outlet:4-20 MA binary outlet: 2 x PNP Auxiliary energy:24 V DC	
800	8104	Flowmeter switch contact Seal control at drive side 2 - 200 NL/min Mesuring range 2 - 200 NL/min	
800	8105	Valve operates manually Sealing air at drive-side	
800	8113	Flowmeter switch contact Seal control at non-drive side 2 - 200 NL/min Manufacturer : Festo Type: SFAB200UWQ82SAM12-5QA Mesuring range 2 - 200 NL/min Protection: IP 65 analogue outlet:4-20 MA binary outlet: 2 x PNP Auxiliary energy:24 V DC	

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# Technical Data

Assembly group	Pos.	Set data	
800	8114	Flowmeter switch contact Seal control at non-drive side 2 - 200 NL/min Manufacturer : Festo Mesuring range 2 - 200 NL/min	
800	8115	Valve operates manually Sealing air at non drive-side	
800	8030	Pressure reducer Supply water Manufacturer: End Armaturen Type: DK340308076 Size: DN 40 Clamp DIN 32676 Pressure: p1max.: 3,5 bar p2max.: 2-3 bar Add. equipment:Manometer, d63, Pessure 0-6bar Materials: 1.4571	
800	8031	Diaphragm valve, pneumatically operated Water supply Manufacturer: SED Type: 385.40.7.42.18.1.S.02 Size: DN25 Power: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy:5 bar Normal position:failed	
800	8051	Diaphragm valve, pneumatically operated Air supply to blow out the line Manufacturer: SED Type: 188.40.7.42.18.1S.02 Size: DN40 Power: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy:5 bar Normal position:failed closed	
800	8061	Diaphragm valve, pneumatically operated Drainage Manufacturer: SED Type: 188.25.7.42.18.1S.02 Size: DN25 Power: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy:5 bar Normal position:failed closed	

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Assembly group	Pos.	Set data	
800	8081	Flow meter Measuring cleaning water Manufacturer : Krohne Type: OPTIFLUX 6300C Size: DN 40, Mesuring range 0 - 10 m3/h Protection: IP 66 Complete with mounted measureing sensor Type: IFC 300 analogue outlet:4 - 20 mA impulse outlet: 0,5 ltr / Impulse Auxiliary energy:24 V DC/AC	
800	8082	Flow meter switch contact Measuring cleaning water quantity Manufacturer: Lödige Type: PLC	
800	8083	Flow meter switch contact Measuring cleaning water min flow Manufacturer: Lödige Type: PLC	
800	8160	Diaphragm valve, pneumatically operated WIP inlet seal mixer drive side Manufacturer: SED Type: 188.15.77.42.18.1S.02 Size: DN15 Capacity: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal	
800	8165	Diaphragm valve, pneumatically operated Sealing air for seal at mixer drive side Manufacturer: SED Type: 188.10.7.42.18.1S.02 Size: DN10 Capacity: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal	
800	8170	Diaphragm valve, pneumatically operated WIP inlet seal mixer non-drive side Manufacturer: SED Type: 188.15.77.42.18.1S.02 Size: DN15 Capacity: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal	
800	8175	Diaphragm valve, pneumatically operated Sealing air for seal at mixer none drive side Manufacturer: SED Type: 188.10.7.42.18.1S.02 Size: DN10 Capacity: Control pressure: 4-7 bar Add. equipment:Piloted from valve terminal	

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# Technical Data

Assembly group	Pos.	Set data	
800	8240	Diaphragm valve, pneumatically operated drainage pipe Manufacturer: SED Type: 385.25.7.42.18.2.S.02 Size: DN25 Power: Control pressure: 4-7 bar Add. equipment: Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy: 5 bar Normal position: failed open	
800	8260	Diaphragm valve, pneumatically operated WIP return seal mixer non-drive side Manufacturer: SED Type: 188.15.7.42.18.1S.02 Size: DN15 Capacity: Control pressure: 4-7 bar Add. equipment: Piloted from valve terminal	
800	8270	Diaphragm valve, pneumatically operated WIP return seal mixer drive side Manufacturer: SED Type: 188.15.7.42.18.1S.02 Size: DN15 Capacity: Control pressure: 4-7 bar Add. equipment: Piloted from valve terminal	
800	8410	Diaphragm valve, pneumatically operated Cleaning Inlet pipe Manufacturer: SED Type: 188.40.7.42.18.1S.02 Size: DN40 Power: Control pressure: 4-7 bar Add. equipment: Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy: 5 bar Normal position: failed closed	
800	8411	Hose pipe Cleaning Inlet pipe Manufacturer: Angst & Pfister Type: TechnoFood 650 Connetion DN 40 Clamp DIN 32676 Material Silicon, AISI 304 L	
800	8420	Diaphragm valve, pneumatically operated Cleaning filter branch Manufacturer: SED Type: 188.15.7.42.18.1S.02 Size: DN15 Power: Control pressure: 4-7 bar Add. equipment: Piloted from valve terminal Materials: AISI 316L /EPDM Auxiliary energy: 5 bar Normal position: failed closed	

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# Technical Data

Assembly group	Pos.	Set data	
800	8421	Hose pipe Cleaning filter branch Manufacturer: Angst & Pfister Type: TechnoFood 650 Connetion DN 15 Clamp DIN 32676 Material Silicon, AISI 304 L	
800	8500	Pipe WIP Unit, Medium inlet Manufacturer: Lödige Size DN 40 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8501	Pipe WIP Unit, main pipe Manufacturer: Lödige Size DN 25 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8502	Pipe WIP Unit, Drainage flow meter Manufacturer: Lödige Size DN 25 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8503	Pipe WIP Unit, Medium inlet drive side to the mixer Manufacturer: Lödige Size DN 15 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8504	Pipe WIP Unit, Medium inlet none drive side to the mixer Manufacturer: Lödige Size DN 15 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8600	Pipe WIP Unit Drainage none drive side Manufacturer: Lödige Size DN 15 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	

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# Technical Data

Assembly group	Pos.	Set data	
800	8601	Pipe WIP Unit Drainage drive side Manufacturer: Lödige Size DN 15 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	
800	8602	Pipe WIP Unit Drainage main pipe Manufacturer: Lödige Size DN 25 Type: DIN 11850 R2, CC Connetion Clamp DIN 32676 Material Pipe AISI 316L, Seal:EPDM	

- Electrical components inside the pneumatic cabinet would wire on the terminal board.

All aspects listed above have been checked and comply with requirements <i>Alle oben angeführten Aspekte wurden überprüft und entsprechen den Anforderungen</i>		
Author / Erstellt durch: Gebr. Lödige; Berg		Date / Datum: 5. Januar 2012