

ZEE LINE

by **MILTON™**

www.zeeline.com



Air Operated Grease Pumps Use and Operations Manual

REV 5/12/2022



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¿Necesita instrucciones en español? Escanea aquí.



Besoin d'instructions en français? Scannez ici.

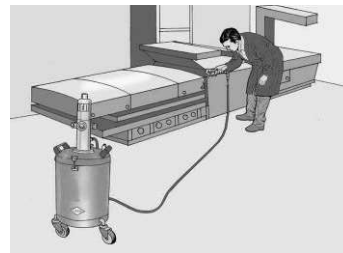


ZEE LINE

by MILTON™

Please ! Read this information carefully.









ZE3574 - ZE1220



**Packages shown for representation purposes only and displaying accessories that may or may not be included with your purchase.*

These pumps have a 45:1 ratio and are designed to be used with the ZE3574 being designed for use with 25-50 lbs. pails and the ZE1220 being designed for use with 120 lbs. kegs. These pumps have a high moving capacity with a special conic collection center system that provides continuous grease flow.

Features

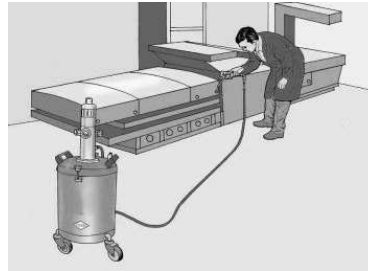
Model								
ZE3574	Air Operated	87-116 PSI	45:1	49 Oz.	50 lbs. (30 kg)	2m R2-1/4"	36x37x74	37 lbs. (17 kg)
ZE1220		6-8 Bar		1400 Gr.	120 lbs. (50 kg)		39x42x92 39x42x113	42 lbs. (19 kg)

Please ! Read this information carefully.

ZEE LINE









by MILTON™

ZE3574K

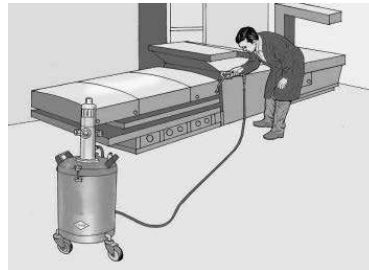


This pump has a 45:1 ratio and is designed to be used with a 35-50 lbs. kegs. This pump has a high moving capacity with a special conic collection center system that provides continuous grease flow.

Features









Model								
ZE3574	Air Operated	87-116 PSI 6-8 Bar	45:1	49 Oz. 1400 Gr.	16 lbs. (16 kg)	2m R2-1/4"	14.2x14.6x29.2 in 36x37x74 cm	22 lbs. 10 kg

ZE3574KC



This pump has a 45:1 ratio and is designed to be used with a 35-50 lbs. kegs. This pump has a high moving capacity with a special conic collection center system that provides continuous grease flow.

Features

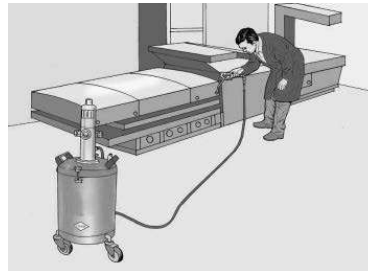
Model								
ZE3574	Air Operated	87-116 PSI 6-8 Bar	45:1	49 Oz. 1400 Gr.	16 lbs. (16 kg)	2m R2-1/4"	14.2x14.6x29.2 in 36x37x74 cm	26.5 lbs. 12 kg.

Please ! Read this information carefully.

ZEE LINE









by MILTON™

ZE1220KC

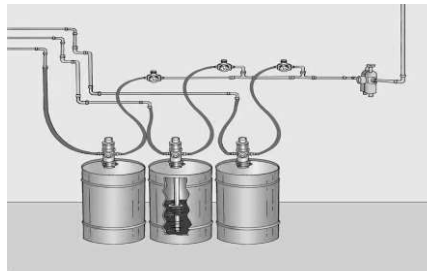


This pump has a 45:1 ratio and is designed to be used with a 120 lbs. kegs. This pump has a high moving capacity with a special conic collection center system that provides continuous grease flow.

Features









Model								
ZE1220	Air Operated	87-116 PSI 6-8 Bar	45:1	49 Oz. 1400 Gr.	120 lbs. (50 kg)	2m R2-1/4"	18,9x18,9x40,5m 48x48x103 cm	53 lbs. 24 kg.

ZE1212



This pump has a 70:1 ratio and is designed to be used with a 400 lbs. kegs. This pump has a high moving capacity with a special conic collection center system that provides continuous grease flow.

Features

Model								
ZE1212	Air Operated	87-116 PSI 6-8 Bar	70:1	39 Oz. 1100 Gr.	400 lbs. (185 kg)	R2-1/4"	7,5x7,5x16 in 14x14x126 cm	16,5 lbs. 7,5 kg.

Please ! Read this information carefully.



Safety & Warnings

	Please wear proper safety attire before operating this product
	Do not hold the gun on or dispense the nozzle onto skin. This can and may cause bodily injury. Always wear proper safety equipment when using.
	For optimal performance it is recommended to operate between 87 PSI (6 bar) - 116 PSI (8 bar). The use of a filter regulator/lubricator is required and must not exceed 116 PSI (8 bar) of inlet air pressure. Failure to do so will damage the pump and void the warranty.
Capacity	Caution! Do not exceed the container capacity specified in the product description.
	Always use a pressure regulator with the pump.
	When finished using the pump, disconnect the air coupler and squeeze the trigger of the dispensing nozzle to release pressure.
	Follow all local and federal environmental guidelines. Always inspect pumps for leaks, this help in preventing environmental hazards and potential slip hazards.
	Only use this pump with approved petroleum products. Do not use non-approved fluids. A use in non-approved fluids will void the warranty.
	Only use original spare parts provided by Zeeline by Milton. Failure to use approved parts can lead to undesired performance or a potential safety hazard.
	Do Not weld on or near this product



Please ! Read this information carefully.

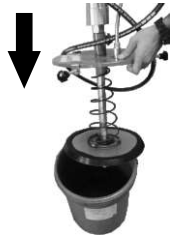
Assembly & Usage Instructions



- Open the product packaging
- Connect the Z-Swivel to the control handle. After that connect the grease hose to the pumps output port.
- Connect the Z-Swivel to the control handle. After that connect the grease hose to the pumps output port.

- To install on a grease container:

- Unscrew the knobs on the drum cover to back the bolt out for fitment.



- Insert the grease pump with spring and follower plate (photo on left). Please note that our ZE1212 pump does not utilize the spring. See page 11.
- Tighten the knobs until the drum cover is secure. Lift up to confirm if needed. If the drum cover comes off, repeat the steps above until the lid is secure.

- Failure to secure the drum cover and tightening the knobs can create a potential safety issue or undesired operation of the pump.
- Once everything is installed and secure, run a test before normal operation to inspect for any leaks.



Please ! Read this information carefully.

Assembly & Usage Instructions

For ZE1212 Model



- Our ZE1212 model does not include a follower plate spring. To setup add the follower plate and then the drum cover by inserting the pump tube through the center hole, then secure.
- For optimal performance and maximum pump life it is recommended to use the plate weight (sold separately). TO install, position the plate on top of the follower plate (handles up) and then install the drum cover.
- Confirm that all knobs on the drum cover are securely tightened when placing on the drum.
- Once secured, insert the grease pump and then screw on the bung adapter.
- Once completed, remember to run a brief test to check for leaks before beginning normal operations.



Follower Plate



Plate Weight



Barrel Lid



Standard Grease Barrel

- For reference, install in the order shown on the left.

Please ! Read this information carefully.



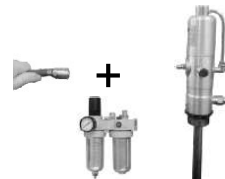
Assembly & Usage Instructions



- Before connection the air coupler to the air inlet nipple:
 - Check the air compressor
 - Air pressure must be between 87-116 PSI (6-8 bar)
 - After connection the air coupler to the air inlet nipple the pump will begin to work until the oil hose is filled with oil
 - Squeeze the trigger of the oil dispensing gun to begin

- It is recommended to use the pump with a filter regulator/lubricator to maintain maximum performance and longevity. This will keep water from entering the pump and keep the pump lubricated
- If you do not use a regulator/lubricator then it is required to add SAE10 oil (air tool oil) into the air inlet nipple on a daily basis.
- Not using a filter regulator/lubrication can lead to water in your airline finding itself into your pump which will cause premature failure and void the warranty.

Pressure Regulator



Pressure Regulator





Please ! Read this information carefully.

Assembly & Usage Instructions

- When using the dispensing nozzle, first be sure to clean the grease nipple that you are going to attach the nozzle to. After that, push the grease nozzle push the nozzle on vertically as show in picture 1. Once finished dispensing detach at an angle as shown in picture 2.
- When you are finished, disconnect the airline from the pump.
- When disconnected be sure to pull the control handle trigger to release any held pressure.
- Failure to disconnect and release pressure can decrease the life of the pump.



Picture 1



Picture 2



Customer Obligations

- It is the responsibility of the user to train all staff on proper usage of the product
- The user must have an air compressor which is capable of producing 87 - 116 PSI (6-8 bar) for continuous operation
- The user must check the grease level of the grease container that the pump is dispensing from. The pump cannot be run dry (without grease). If so damage to the product can and may occur.
- The user must follow all local and federal regulations for handling oils and chemicals. They must also be mindful of the environment to avoid any contamination of the pump.
- The user must use care when switching the pump to different grease types. Some residual grease may still be in the system and require additional priming before dispensing in equipment.
- Changes in grease viscosity can change performance (barrel heater, temp changes, etc.)



- In the event a user fails to comply with the instructions mentioned above the product warranty will be immediately void and Zeeline by Milton will assume no responsibility in the event of product failure.



Please ! Read this information carefully.

Maintenance

PERIODIC MAINTENANCE	DAILY	WEEKLY	MONTHLY	YEARLY
Clean the surface of pump and grease gun.	X			
Check the grease hose and hose barb. If there is a loose connection, tighten it.	X			
Before working with the pump, please check the air compressor. Air pressure must be between 87-116 PSI (6-8 bar).	X			
Discharge the water, which is located in the air regulator. Check the oil level of the air regulator.	X			
Check the grease level of the bucket.		X		
Clean the filter.		X		
Change the grease nozzle.			X	
Contact with an authorized service center for general maintenance.				X



In the event a user fails to comply with the instructions mentioned above the product warranty will be immediately void and Zeeline by Milton will assume no responsibility in the event of product failure.



Please ! Read this information carefully.

Troubleshooting

1- Grease pump is operating, but grease is not delivered	There is a foreign material in the foot valve.	First remove the filter. Clean the filter and foot valve with air. If this does not work change the foot valve
2- Grease pump is operating, but grease is not delivered	Grease viscosity is insufficient	Use a more viscous grease
3- Pump is not operating	There is a fault in the pump parts such as the shuttle or plastic nails	Open the air inlet stopper. If the shuttle is in the middle, move this part upwards and downwards. If the plastic nails are broken, replace them with a new one.
4- Grease is delivering but the trigger is not being squeeze	Verify that the trigger is in the released position and check for foreign material that may be binding it.	If there is foreign material release it. If not repair your grease nozzle or replace it.
5- Grease is dispensing but the pump is not shutting off when the trigger is released	There is a fault with the internal metal rod	The spring of the metal rod may be broken

Troubleshooting

Some factors can inhibit the pump's operation. These factors are; low air pressure, oil type, temperature, etc. In this scenario we will guide you on what happens if air comes out from the pump when the air inlet nipple is connected.

What to do :

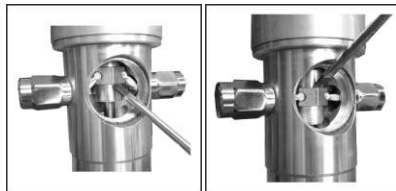


1- Remove the air inlet nipple and air inlet stopper with an open-end wrench.

*Please note, do not use excessive force



2- When removing the air inlet stopper, there are 3 parts inside of the pump. Please check the plastic nails first. If the plastic nails are broken, replace them with new ones. If the plastic nails are stable then check the shuttle to see if it is positioned in the middle.



3- If the shuttle is in the middle then move it with a flat blade screwdriver.

*Please note, do not use excessive force

4- Last, move the shuttle to the top side and then leave in position. Mount the air inlet stopper and the air nipple.

*When mounting the air inlet stopper, lubricate the screw of the air inlet nipple and do not use excessive force.

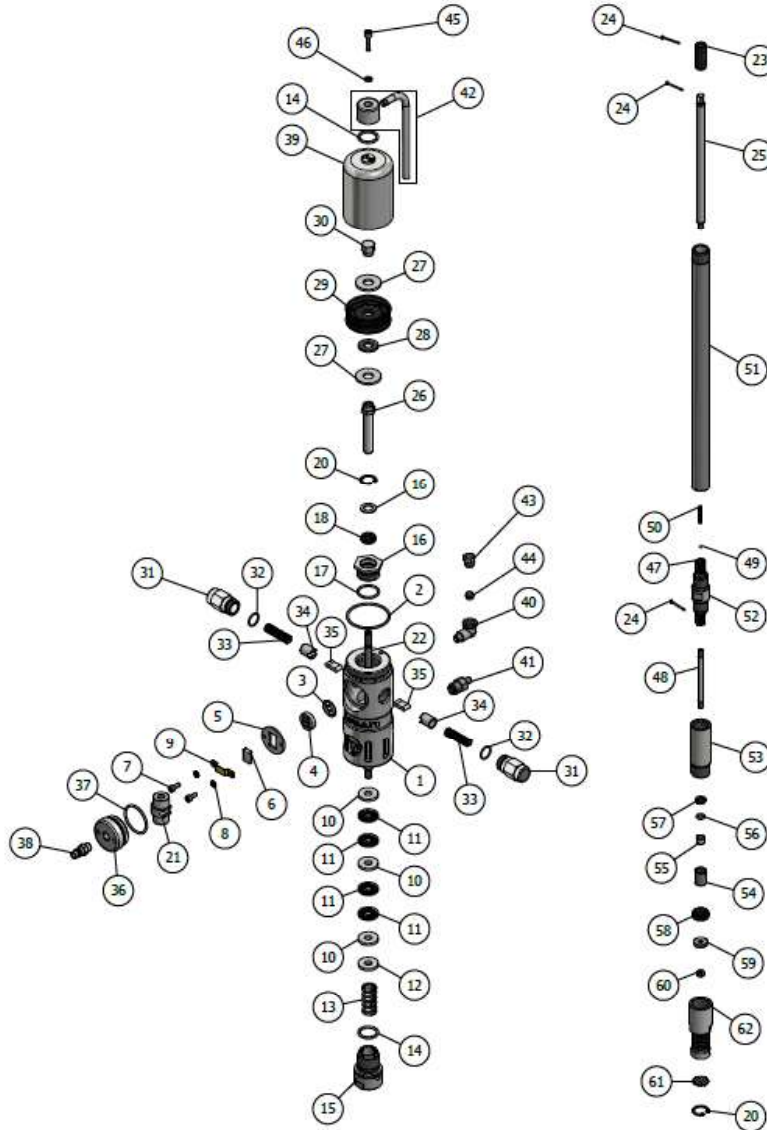


- Always check the pressure of your air compressor
- Check the oil level inside of the oil container you are pumping from
- Oil viscosity may change depending on weather conditions. Therefore operating performance can be altered

Please ! Read this information carefully.



Mechanical Drawing



● Model ZE3574

When you ordering spare parts, please indicate the part number and part name.



Please ! Read this information carefully.

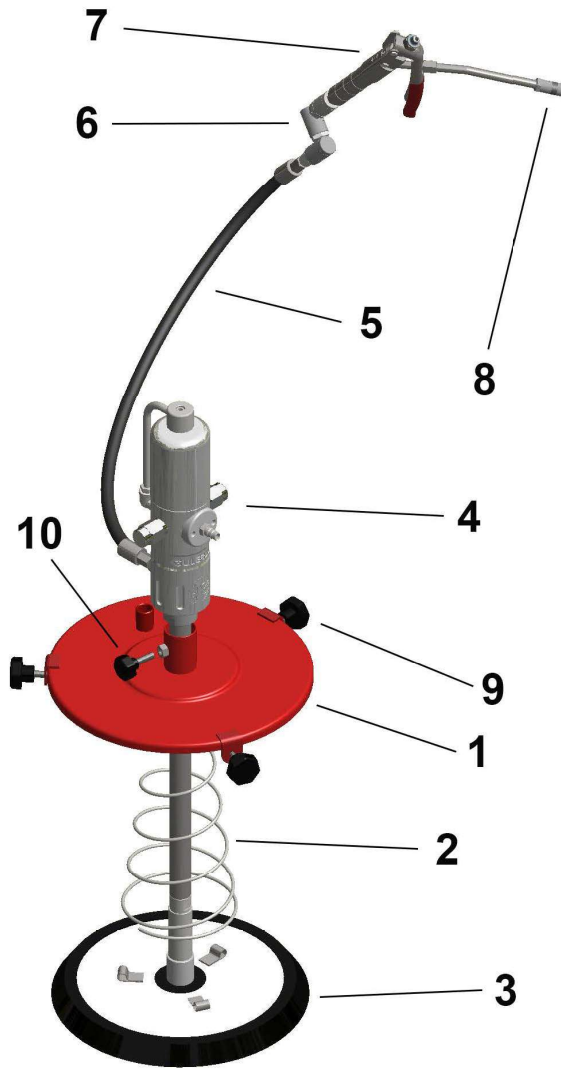
No.	Part Number	Qty.	Description
1	ZE3574-BK1	1	Pump Body Kit 1
2		1	
17		1	
22-A		1	
22-B		1	
14	ZE3574-UK1	1	Upper Pump Kit 1
39		1	
42-A		1	
42-B		1	
45		1	
46		1	
26		1	
27		2	
28		1	
29		1	
30		1	
16		1	
18		1	
20		2	
3		ZE3574-UK1	
4	1		
5	1		
7	2		
8	2		
9	1		
21	1		
36	1		
37	1		
38	1		
31	2		
32	2		
33	2		
34	2		
35	2		
40	1		
41	1		
43	1		
44	1		
23	ZE3574-LK1	1	Lower Pump Repair Kit 1
24		2	
25		1	
51		1	
20		1	
24		1	
47		1	
48		1	
49		1	
50		1	
52		1	
53		1	
54		1	
55		1	
56	1		
57	1		
58	1		
59	1		
60	1		
61	1		
62	1		
41	ZE3574-BK2	1	Pump Body Kit 2
43		1	
44		1	
23		1	

● Model ZE3574

Please ! Read this information carefully.

ZEE LINE

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● Model ZE3574K & ZE3574KC

When you ordering spare parts, please indicate the part number and part name.



Please ! Read this information carefully.

No.	Part Number	Qty	Description
1	ZE3574-1	1	Drum Cover
2	ZE3574-2	1	Spring
3	ZE3574-3	1	Follower Plate
4	ZE3574	1	Grease Pump
5	ZE0012	1	Grease Hose
6	ZE1545	1	Z-swivel
7	ZE1536A	1	Grease Handle
8	ZE3574-8	1	Grease Coupler
9	ZE3574-9	3	Drum Cover Tightening Knob
10	ZE3574-10	1	Pump Tightening Knob

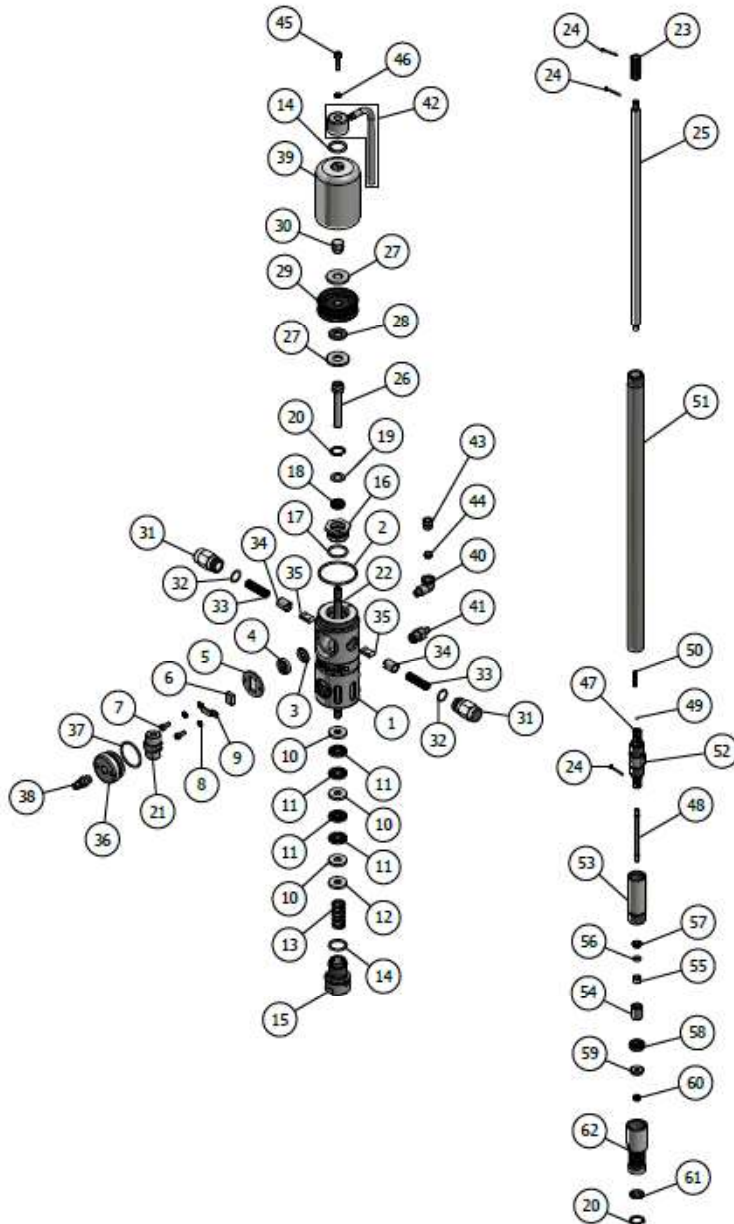
*Cart for ZE3574KC: ZE3574-C (ZE3574-CWK for wheel kit)

NOTES

Please ! Read this information carefully.



Mechanical Drawing



● Model ZE1220

When you ordering spare parts, please indicate the part number and part name.



Please ! Read this information carefully.

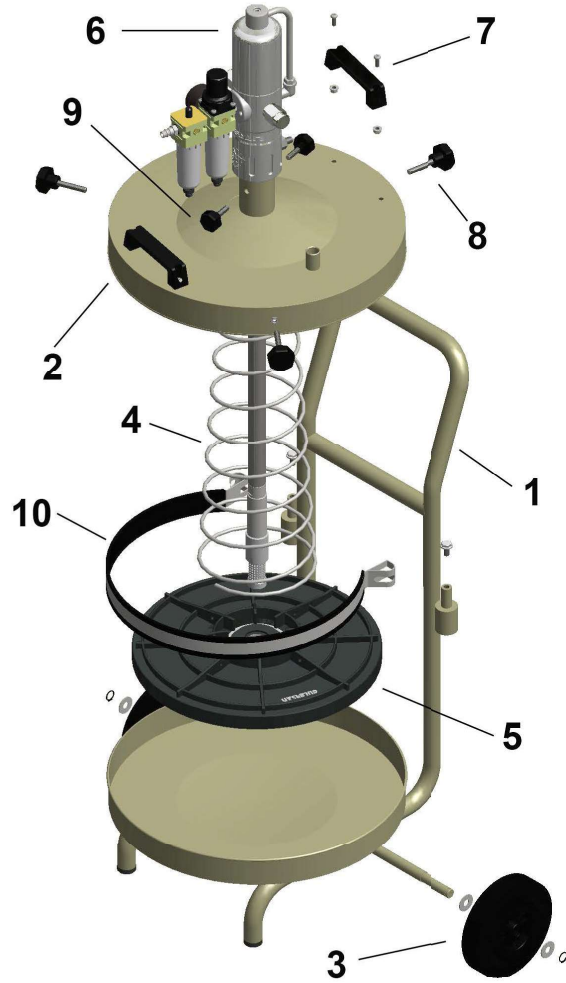
No.	Part Number	Qty.	Description		
1	ZE1220-BK1	1	Pump Body Kit 1		
2		1			
17		1			
22-A		1			
22-B		1			
14		1			
39	ZE1220-UK1	1	Upper Pump Kit 1		
42-A		1			
42-B		1			
45		1			
46		1			
26		1			
27		2			
28		1			
29		1			
30		1			
16		1			
18		1			
20		2			
3		ZE1220-UK1		1	Upper Pump Kit 1
4				1	
5				1	
7	2				
8	2				
9	1				
21	1				
36	1				
37	1				
38	1				
31	2				
32	2				
33	2				
34	2				
35	2				
40	ZE1220-IK1		1	Internal Pump Kit 1	
41			1		
43		1			
44		1			
23	ZE1220-BK2	1	Pump Body Kit 2		
24		2			
25		1			
51		1			
20		1			
24		1			
47		1			
48		1			
49		1			
50		1			
52		ZE1220-LK1		1	Lower Pump Repair Kit 1
53				1	
54				1	
55				1	
56				1	
57				1	
58				1	
59				1	
60				1	
61	1				
62	1				

● Model ZE1220

Please ! Read this information carefully.



Mechanical Drawing



● Model ZE1220K & ZE1220KC

When you ordering spare parts,
please indicate the part number
and part name.



Please ! Read this information carefully.

No.	Part Number	Qty.	Description
1	ZE1220-C	1	Cart
2	ZE1220-2	1	Drum Cover
3	ZE1220-CWK	2	Wheel Kit
4	ZE1220-4	1	Spring
5	ZE1220-5	1	Follower Plate
6	ZE1220	1	Grease Pump
7	ZE1220-7	2	Handle
8	ZE1220-8	3	Cover Tightening Knob
9	ZE1220-9	2	Pump Tightening Knob
10	ZE1220-10	1	Drum Band

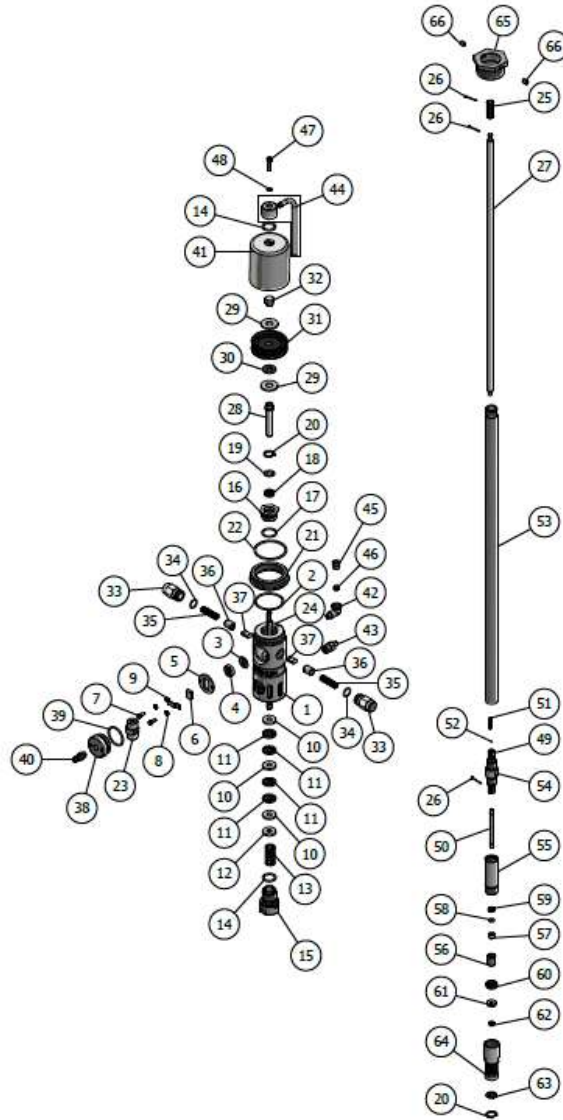
NOTES

● Model ZE1220K & ZE1220KC

Please ! Read this information carefully.



Mechanical Drawing



● Model ZE1212

When you ordering spare parts, please indicate the part number and part name.



Please ! Read this information carefully.

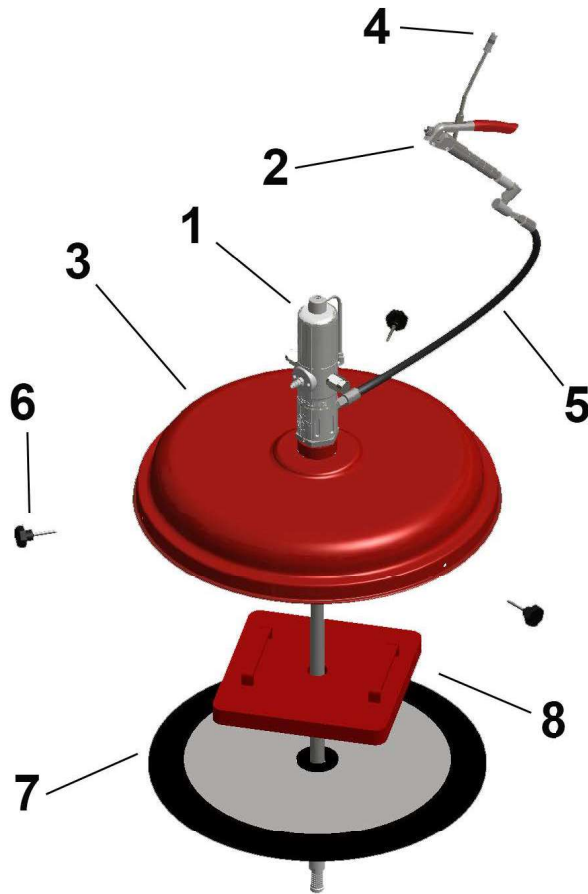
No.	Part Number	Qty.	Description
1		1	
2		1	
17	ZE1212-BK1	1	Pump Body Kit 1
21		1	
24		1	
22		1	
14		1	
41	ZE1212-UK1	1	Upper Pump Kit 1
44-A		1	
44-B		1	
47		1	
48		1	
28		1	
29		2	
30		1	
31		1	
32		1	
16		1	
18		1	
19	2		
20	1		
3	ZE1212-UK1	1	Internal Pump Kit 1
4		1	
5		1	
6		1	
7		2	
8		2	
9		1	
23		1	
36		1	
39		1	
40		1	
33		2	
34		2	
35		2	
36		2	
37		2	
42		1	
43	1		
45	ZE1212-BK2	1	Pump Body Kit 2
46		1	
25	ZE1212-LK1	1	Lower Pump Repair Kit 1
26		1	
27		1	
53		1	
20		1	
26		1	
49		1	
50		1	
51		1	
52		1	
55		1	
56		1	
57		1	
58		1	
59		1	
60	1		
61	1		
62	1		
63	1		
64	1		
65	ZE1212-BAK	1	Bung Adpater Kit
66		2	

● Model ZE1212

Please ! Read this information carefully.



Mechanical Drawing



● Model ZE1212K

When you ordering spare parts, please indicate the part number and part name.



Please ! Read this information carefully.

No	Part Number	Qty.	Description
1	ZE1212	1	Replacement Pump
2	ZE1536A	1	Grease Handle
3	ZE1212-3	1	Drum Cover
4	ZE1212-4	1	Grease Coupler
5	ZE0012	1	Grease Hose
6	ZE1212-6	3	Tightening Knob
7	ZE1212-7	1	Follower Plate
8	ZE1212-8	1	Follwer Plate Weight

NOTES

● Model ZE1212

Please ! Read this information carefully.



by MILTON™

After Sales Services

The image shows a manufacturer's product identification label for ZEE LINE. The label is rectangular and contains the following information:

- ZEE LINE** logo at the top.
- Address: 4500 W. Cortland St., Chicago, IL 60639
- Telephone: 1-800-231-1525
- Website: www.zeeline.com / saleszeeline@miltonindustries.com
- Model No :
- A list of specifications with callouts A through E pointing to them:
 - A ← Working Type
 - B ← Output
 - C ← Capacity
 - D ← Hose Length
 - E ← Weight
- ISO 9001:2015 certification logo.
- CE TSE K certification logo.
- SERIAL NO : → F

Above is the manufacturer's product identification information

According to this information:

A: Indicates working type.

B: Indicates output in one minute.

C: Indicates hose length.

D: Indicates machine weight.

E: Indicates serial number.

A proof of purchase is required for all warranty claims.

If you are in need of technical support and do not have your invoice please refer to the serial number on the unit.

The maximum intended lifespan of this product is 8 years. Moisture, chemicals, and atmospheric conditions will alter the integrity of the tank over time.



Support Service Assistance

Phone Toll Free: 1-800-231-1525

Email:

saleszeeline@miltonindustries.com

Zeeline by Milton

4500 W Cortland Street
Chicago, IL 60639

WWW.ZEELINE.COM