



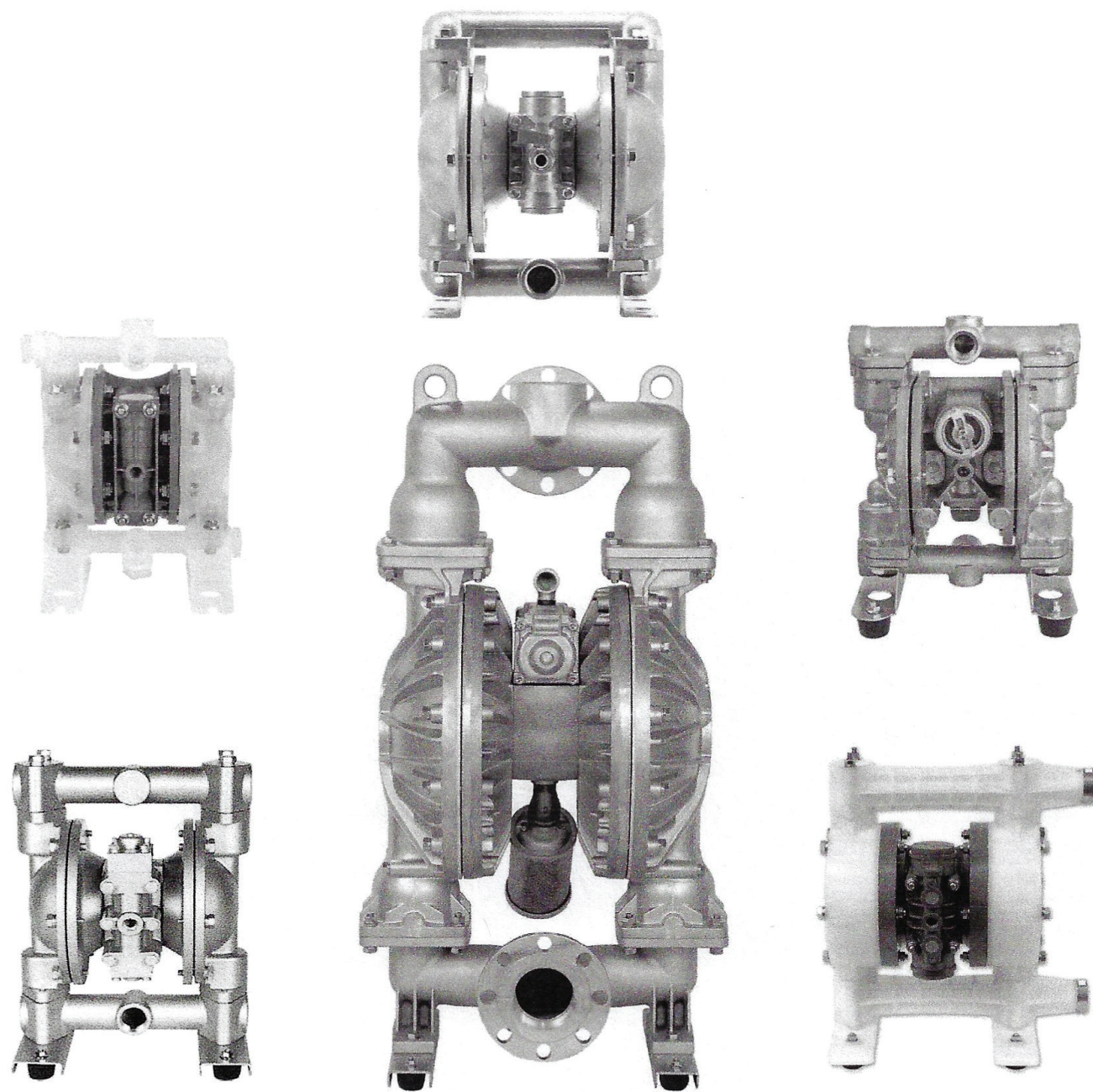
ZEE LINE

by **MILTON**®

Diaphragm Catalog

DIAPHRAGM PUMPS

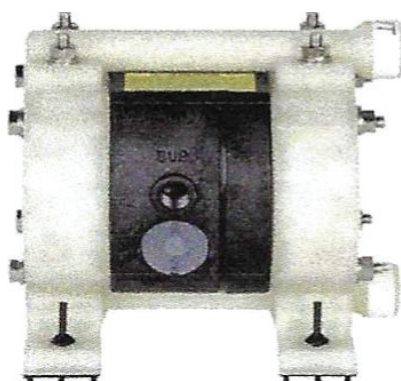
For Vehicle Maintenance Distributors



Diaphragm pump

Quick Reference Guide

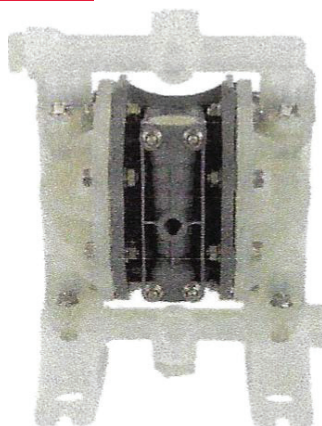
Part No.	Flow Rate	Port Size	Air Inlet	Wetted Material	Elastomer Material	Common Applications
ZE0403PT	3 GPM	1/4"	1/4"	Polypropylene	TEFLON	Antifreeze, Windshield, DEF
ZE0816PB	16 GPM	1/2"	1/4"	Polypropylene	SANTO	Antifreeze, Windshield,
ZE0816PS	16 GPM	1/2"	1/4"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE0816AB	16 GPM	1/2"	1/4"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE0816AS	16 GPM	1/2"	1/4"	Aluminum	SANTO	Lubricants and water based fluids
ZE1232PS	32 GPM	3/4"	1/4"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE1232AB	32 GPM	3/4"	1/4"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE1232UL	32 GPM	1"	3/8"	Aluminum	TEFLON	Lubricants, used fluids, diesel
ZE1646PS	46 GPM	1"	3/8"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE1646UL	46 GPM	1"	3/8"	Aluminum	TEFLON	Lubricants, used fluids, diesel
ZE1640AH	40 GPM	1"	3/8"	Aluminum	HYTREL	Lubricants, used fluids, diesel
ZE1640AB	40 GPM	1"	3/8"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE1640AS	40 GPM	1"	3/8"	Aluminum	SANTO	Lubricants, used fluids, diesel
ZE2050AB	50 GPM	1-1/4" - 1-1/2"	3/8"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE24107PS	107 GPM	1-1/2" Flange	1/2"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE24107AB	107 GPM	1-1/2" Flange/NPTF	1/2"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE32164PS	164 GPM	2" Flange	3/4"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE32164AB	164 GPM	2" Flange/NPTF	3/4"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE64215PS	215 GPM	3" Flange	3/4"	Polypropylene	SANTO	Antifreeze, Windshield, DEF
ZE64215AB	215 GPM	3" Flange/NPTF	3/4"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE1640BSP	40 GPM	1" BSPT	3/8"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE2050BSP	50 GPM	1-1/4"x 1-1/2"BSPT	3/8"	Aluminum	BUNA N	Lubricants, used fluids, diesel
ZE32164BSP	164 GPM	2" BSPT	3/4"	Aluminum	BUNA N	Lubricants, used fluids, diesel

SERIES | 1/4"**ZE0403PT****3 GPM**

Maximum Flow	3 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	N/A
Dimensions	6.0611"W x 5.79"H
Weight	2.9 lbs.
Shipping Weight	4.4 lbs.
Filter Regulator	FR-1

Applications: Model • Kits (liquid end/air motor):

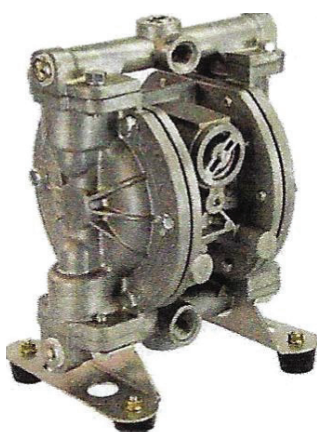
Antifreeze	ZE0403PT • KSPT-2 • KS
Windshield Wash	
DEF	

SERIES | 1/2"**ZE0816PB, ZE0816PS****16 GPM**

Maximum Flow	16 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	1/32"
Dimensions	8.58"W x 11.25"H
Weight	5.74 lbs.
Shipping Weight	9 lbs.
Filter Regulator	FR-1

Applications: Model • Kits (liquid end/air motor):

Antifreeze	ZE0816PB • KG 15-PN • KG15-AM-P
Windshield Wash	ZE0816PS • KG 15-PS • KG 15-AM-P
DEF	
Waste Oil	

ZE0816AB, ZE0816AS**16 GPM**

Maximum Flow	16 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	1/32"
Dimensions	7.64"W x 10.43"H
Weight	11.9 lbs.
Shipping Weight	15 lbs.
Filter Regulator	FR-1

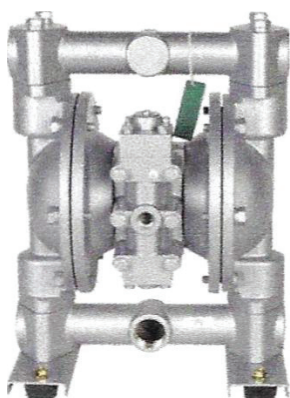
Applications: Model • Kits (liquid end/air motor):

DEF	ZE0816AB • KG15-AN • KG15-AM-M
Waste Oil	ZE0816AS • KG15-AN • KG15-AM-M
Oil	
Diesel	

SERIES | 3/ 4"

ZE1232UL

32 GPM



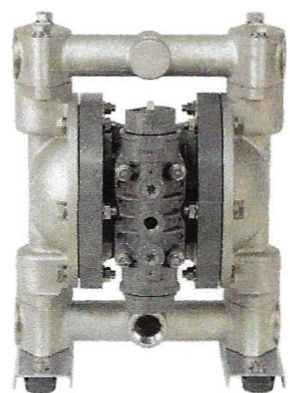
Maximum Flow	32 GPM
Operating Air Pressure	20 - 50 PSI (UL)
Maximum Temperature	248°F
Solids Handling	1 / 16"
Dimensions	9.8 "W x 12.5 "H
Weight	19.8 lbs.
Shipping Weight	23.8 lb
Filter Regulator	FR-1

Applications: Model • Kits (liquid end/air motor):

Waste Oil	ZE1232UL • K20-MH-UL • K225-AM
Oil	(UL) Underwriters Laboratories
Diesel	

ZE1232PS

32 GPM



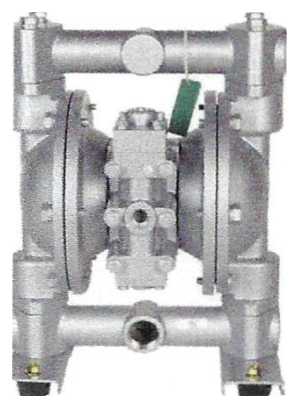
Maximum Flow	32 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	1 / 16"
Dimensions	12.48"W x 14.48"H
Weight	15.4 lbs.
Shipping Weight	19.4 lbs.
Filter Regulator	FR-1

Applications: Model • Kits (liquid end/air motor):

DEF	ZE1232PS • K20-PS-PP • K225-AP
-----	--------------------------------

ZE1232AB

32 GPM



Maximum Flow	32 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	1 / 16"
Dimensions	19.8"W x 12.5"H
Weight	19.8 lbs.
Shipping Weight	12.8 lbs.
Filter Regulator	FR-1

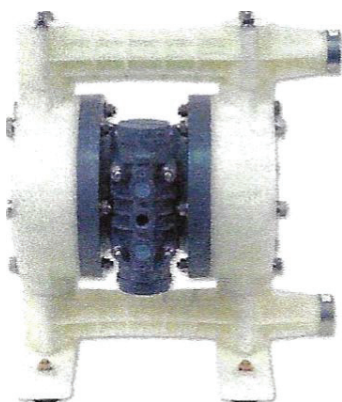
Applications: Model • Kits (liquid end/air motor):

Waste Oil	ZE1232AB • K20-MN-1 • K225-AM
Oil	
Diesel	

SERIES | 1"

ZE1646PS

46 GPM



Maximum Flow	46 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	3/16"
Dimensions	14.40"W x 1 6.89"H
Weight	20.9 lbs.
Shipping Weight	35.9 lbs.
Filter Regulator	FR-3

Applications:

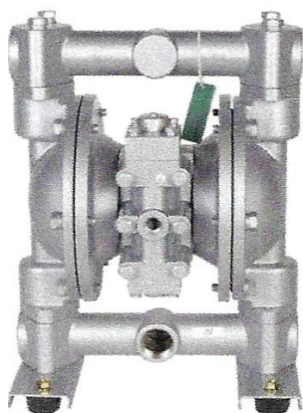
DEF

Model • Kits (liquid end/air motor):

ZE1646PS • K25-PS-PP • K225-AP

ZE1646UL

46 GPM



Maximum Flow	46 GPM
Operating Air Pressure	20-50 PSI (UL)
Maximum Temperature	248°F
Solids Handling	3/16"
Dimensions	11.3"W x 14.93"H
Weight	28.7 lbs.
Shipping Weight	33.7 lbs.
Filter Regulator	FR-3

Applications:

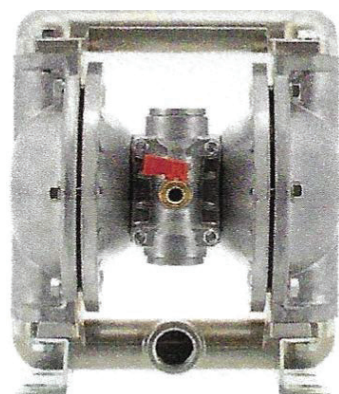
Waste Oil
Oil
Diesel

Model • Kits (liquid end/air motor):

ZE1646UL • NDP-25BAH-UL • K225-AM
(UL) Underwriters Laboratories

ZE1640AB, ZE1640AH, ZE1640AS, ZE1640BSP

40 GPM



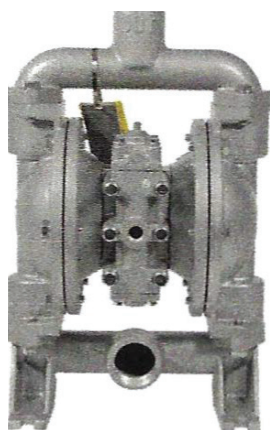
Maximum Flow	40 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	248° F (TPEE), 180° F (NBR/TPO)
Solids Handling	1/8"
Dimensions	10.04"W x 12.44"H
Weight	20.3 lbs.
Shipping Weight	25 lbs.
Filter Regulator	FR-3

Applications:

DEF
Waste Oil
Oil
Diesel

Model • Kits (liquid end/air motor):

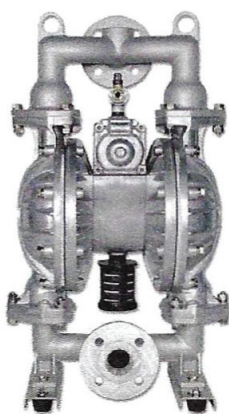
ZE1640AB • KG25-AN • KG25-AM-M
ZE1640AH • KG25-AH • KG25-AM-M
ZE1640AS • KG25-AS • KG25-AM-M
ZE1640BSP • KG25-AS • KG25-AM-M

SERIES | 1-1/4 x 1-1/2"**ZE2050AB, ZE2050BSP****50 GPM**

Maximum Flow	50 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	1/8"
Dimensions	11.18"W x 16.87"H
Weight	26.5 lbs.
Shipping Weight	31.5 lbs.
Filter Regulator	FR-3

Applications: **Model • Kits (liquid end/air motor):**

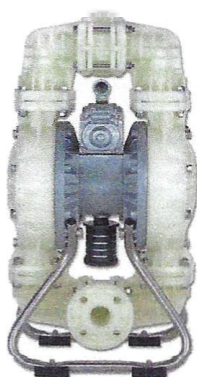
Waste Oil	ZE2050AB • K32-MN • K32-AM
Oil	ZE2050BSP • K32-MN • K32-AM
Diesel	

SERIES | 1-1/2"**ZE24107AB****107 GPM**

Maximum Flow	107 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	9/32"
Dimensions	16.18"W x 27.91 "H
Weight	68 lbs.
Shipping Weight	75 lbs.
Filter Regulator	FR-4

Applications: **Model • Kits (liquid end/air motor):**

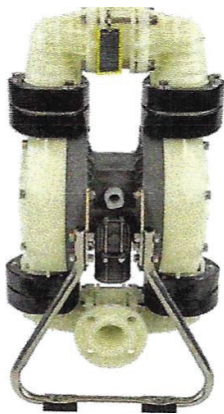
Waste Oil	ZE24107 AB • K40-MN • K45-AM
Oil	
Diesel	

ZE24107PS**107 GPM**

Maximum Flow	107 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	9/32"
Dimensions	15.75"W x 29.61 "H
Weight	70 lbs.
ShippingWeight	78 lbs.
Filter Regulator	FR-4

Applications: **Model • Kits (liquid end/air motor):**

DEF	ZE241 07PS • K40-PS • K45-AM
-----	------------------------------

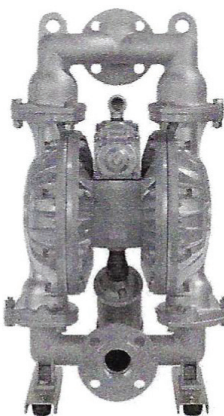
SERIES | 2"**ZE32164PS****164 GPM**

Maximum Flow	164 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	5/16"
Dimensions	18.30"W x 32.30"H
Weight	81.6 lbs.
Shipping Weight	96.6 lbs.
Filter Regulator	FR-5

Applications:**Model • Kits (liquid end/air motor):**

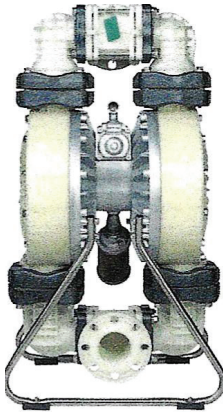
DEF

ZE32164PS • K50-PS • K50-AM-PP

ZE32164AB, ZE32164BSP**165 GPM**

Maximum Flow	165 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	5/16"
Dimensions	17.78"W x 30.00"H
Weight	81.6 lbs.
Shipping Weight	96.6 lbs.
Filter Regulator	FR-5

Applications:**Model • Kits (liquid end/air motor):**Waste Oil
Oil
DieselZE32164AB • KS0-MN • K45-AM
ZE32164BSP • KS0-MN • K45-AM

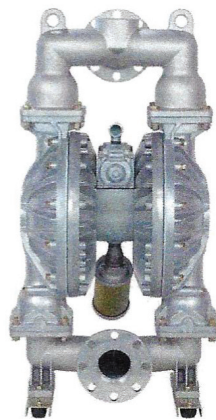
SERIES | 3"**ZE2050AB, ZE2050BSP****215 GPM**

Maximum Flow	215 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	13.32"
Dimensions	22.83"W x 41.1 0"H
Weight	141 lbs.
Shipping Weight	161 lbs.
Filter Regulator	FR-5

Applications:**Model • Kits (liquid end/air motor):**

DEF

ZE64215PS • K80-PS • K80-AM

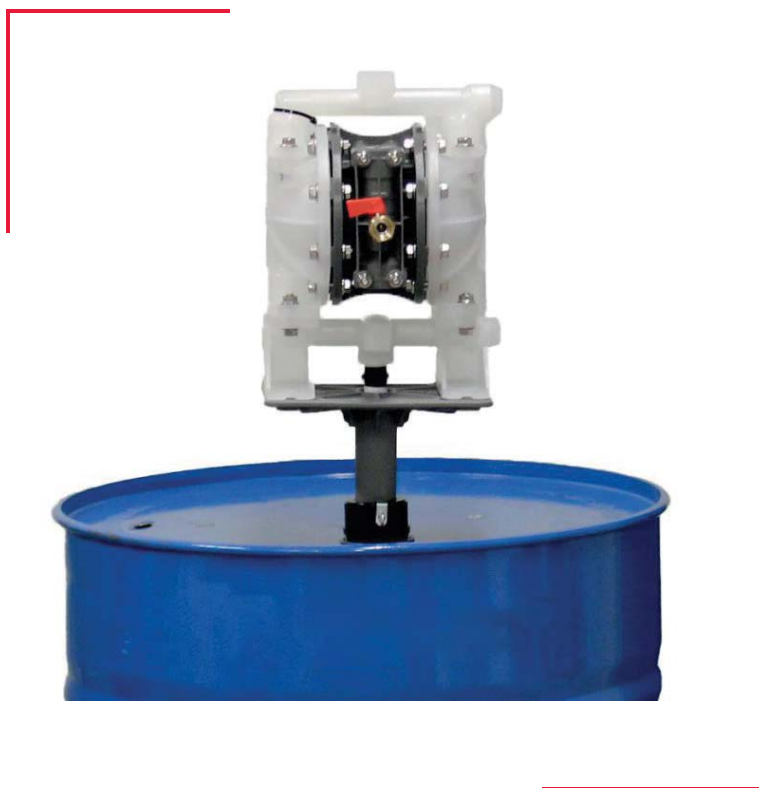
ZE64215AB**107 GPM**

Maximum Flow	215 GPM
Operating Air Pressure	20 - 100 PSI
Maximum Temperature	180°F
Solids Handling	13.32"
Dimensions	20.57"W x 39.30"H
Weight	143 lbs.
Shipping Weight Filter Regulator	163 lbs.
	FR-5

Applications:**Model • Kits (liquid end/air motor):**Waste Oil
Oil
Diesel

ZE64215AB • K80-MN • K80-AM

Diaphragm Pump Drum Systems



**Includes Pump And Necessary Components To Mount In
55 Gallon Drum; Bung Adaptor, Thrumb Screw, Suction
Tube, Base Plate, And Hardware**

Available Packages

ZE0816PS-010

ZE0816AB-010

Diaphragm Pump

ACCESSORIES

Level Controller



Used to control the air supply to a diaphragm pump depending on the fluid level in the tank.

Field adjustable to turn on pump and evacuate tank when level reaches a certain level or to turn off pump when level reaches a certain level. The level controller is pneumatically operated; no electricity required.

Model

Model Controls these pumps:

ZELLC08	ZE0403PT, ZE0816PB/PS/AB/AS
ZELLC20	ZE1232PS/AB/UL, ZE1646UL/PS, ZE1640AB/AH/AS/BSP
ZELLC64	ZE24107PS/AB, ZE32164PS/AB/BSP, ZE64215PS/AB

Wall Mount Bracket

Wall mount bracket with 12" x 12" platform drilled to support all diaphragm pumps from 1/4" inlet/outlet through 1" inlet/outlet.

Fits both new style and old style diaphragms.

Piggyback Filter Regulator with 160 PSI Gauge		
Part No.	With Pump Series	Inlet
1109-PKIT-160	ZE0403PT, ZE0816PB/PS/AB/AS ZE1232PS/AB	1/4"
1110-PKIT-160	1232UL, ZE1040BSP, 1646PS/UL ZE1041BSP ZE1640AH/ 2050AB AB/AS	3/8"
1111-PKIT-160	ZE24107PS, ZE24107AB	1/2"

Thermal Relief Kit

Used to relieve thermal expansion

Kit includes thermal expansion valve, connecting fittings, tubing, and return bushing.

Four Way Valve

Four-way directional control valve used for the filling and emptying of waste containers on mobile lube trucks or transferring fluids from bulk supply to other tanks.

Typical fluids handled are lubricants, synthetic lubricants, fuels, anti-freeze, and windshield wash fluid.

Air Connection Kit for Diaphragm Pumps

Use this kit to connect the appropriate diaphragm pump to the air supply. Air connection kits include piggyback filter regulator with 160 PSI gauge, quick coupler and nipple, and 5' x 1/2" air connecting hose

Part No.	With Pump Series	Inlet
ZE1559A-04	ZE0403PT, ZE0816PB/PS/AB/AS , ZE1232PS/AB	1/4"
ZE1559A-06	ZE1232UL, ZE1040BSP, ZE1041BSP ZE1646PS/UL, ZE1640AH/AB/AS ZE2050AB	3/8"
ZE1559A-08	ZE24107PS, ZE24107AB	1/2"

Diaphragm Pump Fluid Connection Kits

Use these kits to connect the appropriate diaphragm pump to the suction inlet and for the discharge outlet.

Fluid connection kits include suction hose, discharge hose, swivel for inlet and outlet, and full port brass ball valve

Part No.	With Pump Series	Inlet/Outlet
ZE1900-08	ZE0816PB/PS/AB/AS	1/2"
ZE1900-12	ZE1232PS/AB	3/4"
ZE1900-16	ZE1646PS/UL/AH/AB/AS	1"

Diaphragm Pump Fluid Connection Kit for Used Fluid Evacuation

Used fluid connection kits include suction hose, discharge hose, swivel for inlet and outlet, full port brass ball valve, poly T strainer, and cam loc coupler and nipple with caps

Part No.	With Pump Series	Inlet
ZE1950-12	ZE1232UL	3/4"
ZE1950-16	ZE1646UL	1"

Diaphragm Pump Packages

Each package includes the pump, air connection kit, fluid connection kit, and wall bracket

For New Products: Windshield wash, anti-freeze, lubricants

	1/2" Poly	1/2" Aluminum	1" Aluminum
Package Part No.	ZE0816PS-010	ZE0816AB-010	ZE1640AB-010
Pump	ZE0816PS	ZE0816AB	ZE1640AB
Wall Bracket	ZE92	ZE92	ZE92
Air Connection kit	ZE1559A-04	ZE1559A-04	ZE1559A-06
Fluid Connection Kit	ZE1900-08	ZE1900-08	ZE1900-16

For Used Fluids: Lubricants, Anti-freeze

	3/4" Aluminum	1" Aluminum
Package Part No.	ZE1232UL-020	ZE1646UL-020
Pump	ZE1232UL	ZE1640AB
Wall Bracket	ZE92	ZE92
Air Connection kit	ZE1559A-06	ZE1559A-06
Fluid Connection Kit	ZE1950-12	ZE1950-16

Both used fluid packages have UL pumps and both packages have 1" hoses and cam locs. ZEELINE®'s unique ZE1232UL pump offers 32 GPM flow in a UL pump.



**For more innovative ZEELINE by Milton® products,
contact your local dealer or visit our website:**

www.ZEELINE.com



ZEELINE by Milton®

Address:

4500 W. Cortland St.
Chicago, IL 60639 USA

Cell : (800) 231-1525 Toll-Free
web : www.zeeline.com