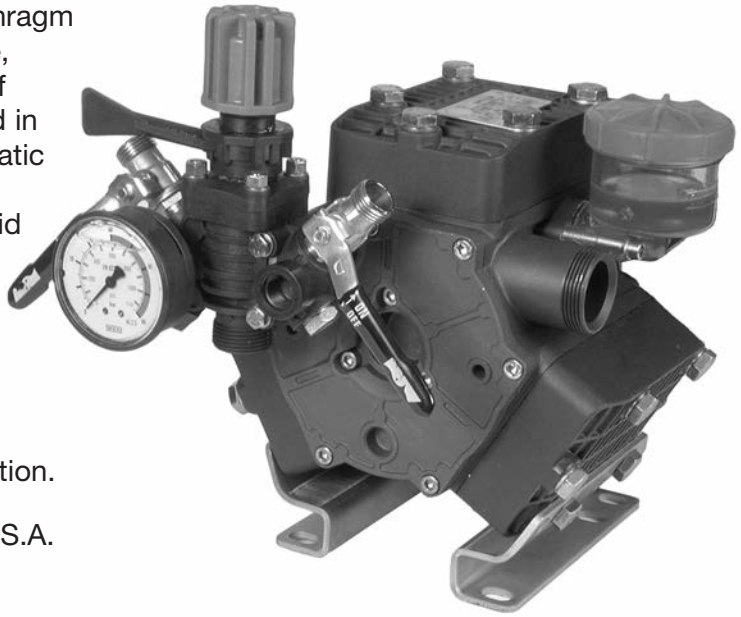
KAPPA-33/43/53

Medium Pressure Diaphragm Pump

KAPPA-33/43/53 3-cylinder, medium pressure diaphragm pumps are excellent choices for various horticulture, agricultural, lawn care, nursery, pest control and turf spraying applications. They are also effectively used in other applications such as aircraft de-icing, hydrostatic testing and cleaning. The KAPPA-33/43/53 pumps come standard with mounting rails and a 25mm solid keyed shaft.



KAPPA-33/43/53 pumps are constructed of anodized aluminum with anodized aluminum and stainless steel liquid hadling parts. Control valve and pressure gauge are standard on all models.

Drive options include 5071.75 4-6.5 HP gear reduction.

For applications not listed, please consult UDOR U.S.A.

SPECIFICATIONS

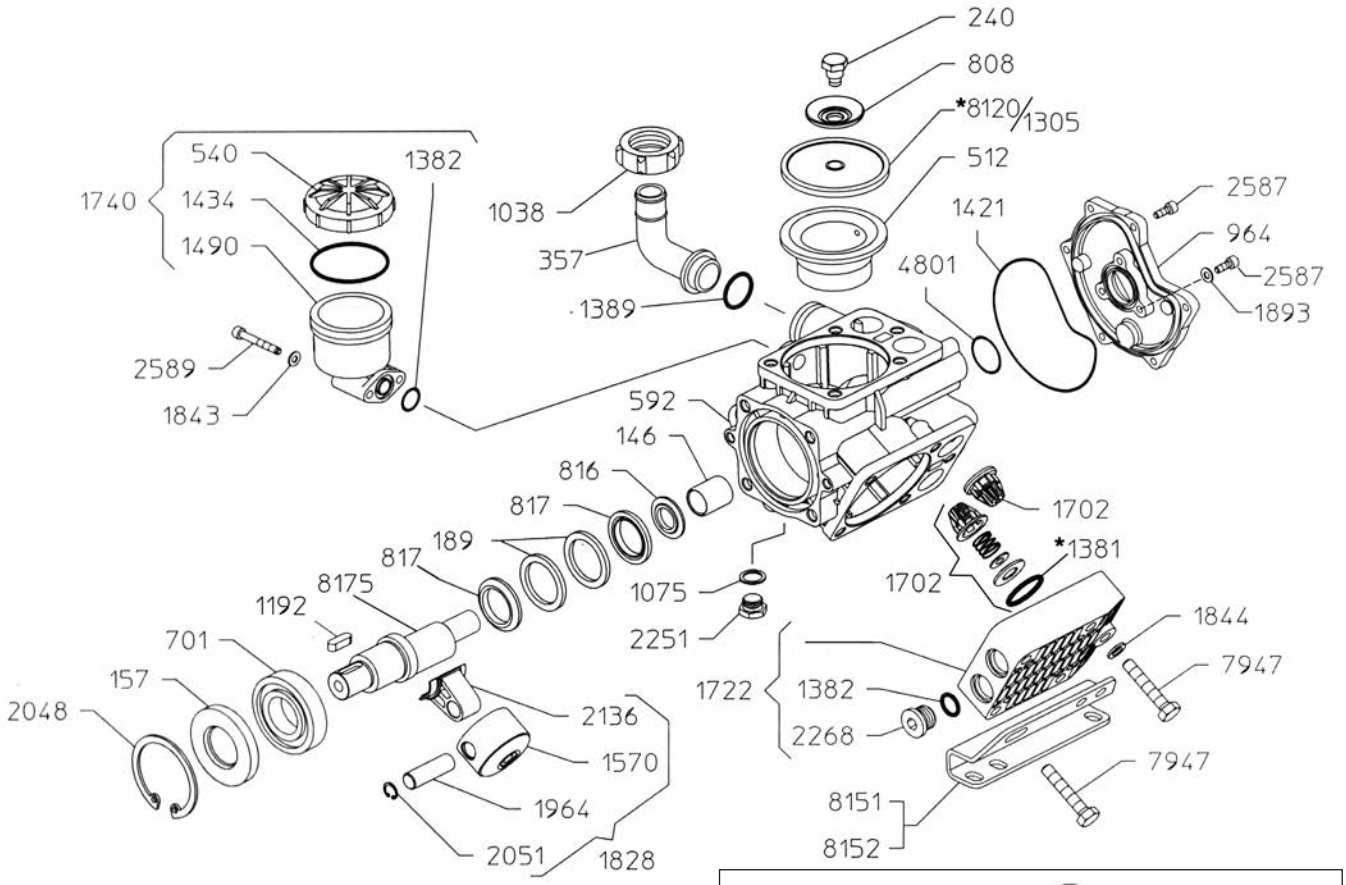
Maximum Flow	
KAPPA-33	8.5 GPM
KAPPA-43	10.5 GPM
KAPPA-53	12.5 GPM
Maximum Pressure	560 PSI
Maximum RPM	540 RPM
Maximum Temperature	140˚ F
Inlet Port (Hose Barb) K-33 & 43	1"
* Inlet Port Hose Barb K-53	1-1/4"
Outlet Ports (Hose Barb, Ball Valve Controlled)	1/2" (2)
Bypass (Hose Barb)	3/4"
Dimensions	L-9.25" x W-11" x H-10"
Weight	29 lbs.
Diaphragm Material	
Standard	DESMOPAN
Optional	BUNA-N

NOTE - Protect pumps from freezing. If freezing conditions exist, flush pump and system with a 50/50 mixture of anti-freeze and water.

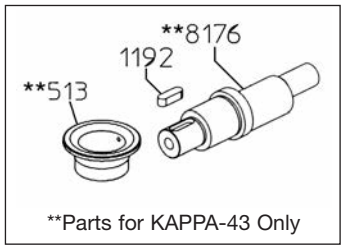
UDOR U.S.A., INC.
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Revised 5-1-2013

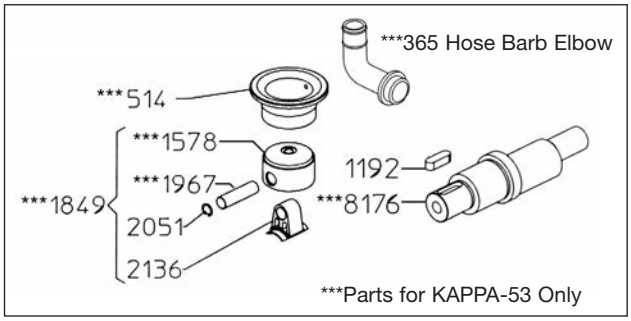
KAPPA-33/43/53 - Exploded View Diagram & Parts List



KAPPA-33/43/53 PUMPS
Require 20 oz.
UDOR LUBE
or SAE 30W
Non-detergent Oil



**Parts for KAPPA-43 Only



***Parts for KAPPA-53 Only

REF#	PART#	DESCRIPTION	QTY
146	02-0006.14	Bearing	1
157	02-0007.05	Seal	1
189	02-0001.11	Retaining Ring	2
240	02-0102.04	Diaphragm Bolt	3
357	02-0202.18	Suction Elbow	1
***365	02-0202.52	Suction Elbow (KAPPA-53)	1
512	02-0206.42	Piston Sleeve (KAPPA-33)	3
**513	02-0206.41	Piston Sleeve (KAPPA-43)	3
***514	02-0206.43	Piston Sleeve (KAPPA-53)	3
540	02-0208.98	Oil Reservoir Cap	1
592	02-0209.73	Crankcase	1
701	02-0214.05	Bearing	1
808	02-0301.43	Retaining Washer	3
816	02-0301.54	Spacer	1
817	02-0302.66	Spacer	2
964	02-0501.E2	Body Flange	1
1038	02-0604.18	Barb Nut	1
1075	02-0605.43	Gasket	1
1192	02-0801.02	Shaft Key	1
1305	02-0903.43	Piston Diaphragm (BUNA-N) optional	3
*1381	02-1101.27	O-Ring	6
1382	02-1101.29	O-Ring	7
1389	02-1101.41	O-Ring	1
1421	02-1101.88	O-Ring	1
1434	02-1101.D1	O-Ring	1
1490	02-1203.27	Oil Reservoir	1
1570	02-1205.07	Piston (KAPPA-33/43)	3
***1578	02-1205.18	Piston (KAPPA-53)	3
1702	02-6006.01	Valve Assembly	6
1722	02-6017.13	Head Assembly	3
1740	02-6033.01	Oil Reservoir Assembly	1
1828	02-6015.45	Piston & Rod Assembly (KAPPA-33/43)	3
1843	02-1403.07	Washer	2
1844	02-1403.09	Washer	11
***1849	02-6015.46	Piston & Rod Assembly (KAPPA-53)	3
1893	02-1412.03	Washer	3
1964	02-1502.03	Connecting Rod Pin (KAPPA-33/43)	3
***1967	02-1502.07	Connecting Rod Pin (KAPPA-53)	3
2048	02-1506.07	Snap Ring	1
2051	02-1506.15	Snap Ring	6
2136	02-1519.28	Connecting Rod (KAPPA-33/43/53)	3
2251	02-1603.02	Plug	1
2268	02-1603.32	Head Plug	6
2587	02-1805.20	Bolt	9
2589	02-1805.31	Bolt	2
4801	02-1101.C3	O-Ring	1
7947	02-1804.21	Head Bolt	15
*8120	02-0903.50	Piston Diaphragm (DESMOPAN)	3
8151	02-1202.63	Mounting Rail - Right Side	1
8152	02-1202.64	Mounting Rail - Left Side	1
8175	02-0002.B8	Crankshaft (KAPPA-33)	1
**8176	02-0002.B7	Crankshaft (KAPPA-43/53)	1

* Parts included in Diaphragm Repair Kit - Part #8700.45
Diaphragm Repair Kit also available in BUNA-N - Part #8700.46
** Parts for KAPPA-43 only.
*** Parts for KAPPA-53 only.