



KAPPA-25

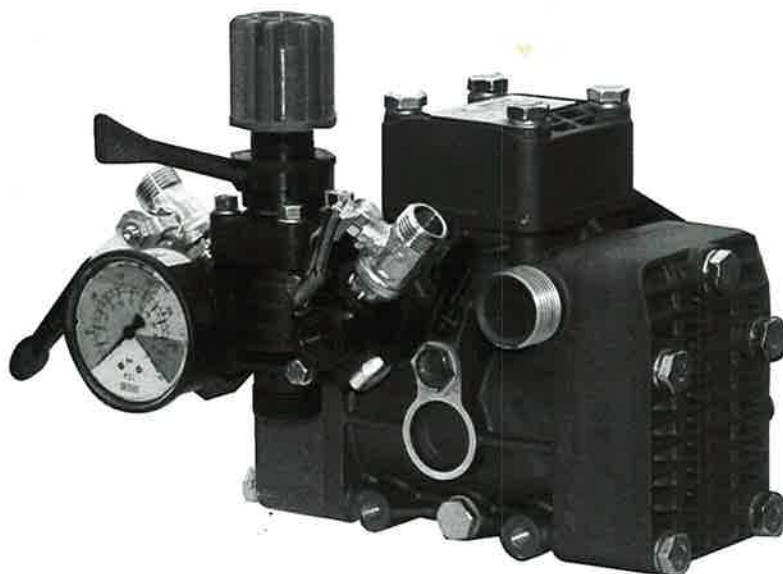
Medium Pressure Diaphragm Pump

KAPPA-25 medium pressure, 2-cylinder diaphragm pumps are excellent choices for various horticulture, agricultural, Lawn care, pest control and turf spraying applications. They are also effectively used in other applications such as hydrostatic testing and cleaning. The KAPPA-25 pumps come standard with mounting rails and a 25mm solid keyed shaft.

KAPPA-25 pumps are constructed of anodized aluminum with anodized aluminum and stainless steel liquid handling parts. Built-in pulsation dampener, control valve and pressure gauge are standard on all models.

Drive options include:
5085.F7 3-5.5 HP Gear Reduction

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



SPECIFICATIONS

Maximum Flow	7.0 GPM
Maximum Pressure	350 PSI
Maximum Pump Speed	540 RPM
Maximum Temperature	140° F
Ports	
Inlet	1" Hose Barb
Discharge	(2) 1/2" Hose Barbs, Ball Valve Controlled
Bypass	3/4" Hose Barb
Dimensions	L-12" x W-10" x H-11"
Weight	21 lbs.
Diaphragm Material	
Standard	DESMOPAN
Optional	BUNA-N

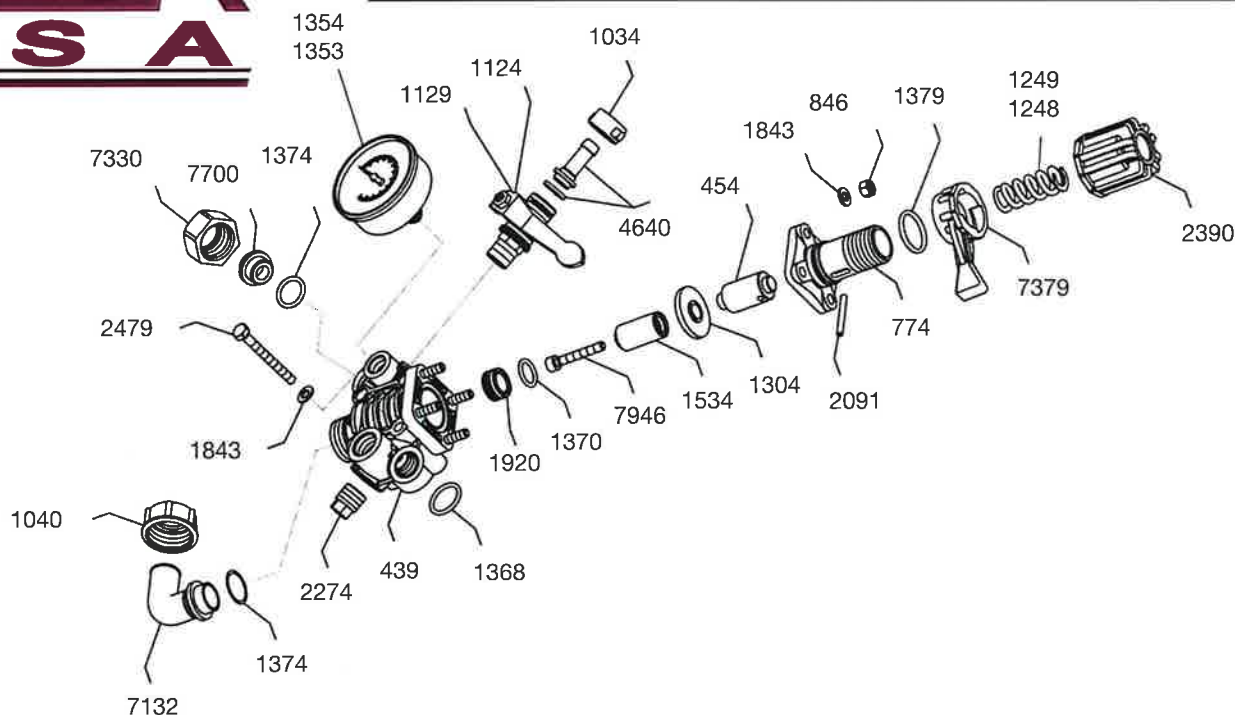
NOTE - Protect pumps from freezing. If freezing conditions exist, flush pump and system with a 50/50 mixture of anti-freeze and water.

UDOR U.S.A., INC.
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TEL. (651) 785-0666
FAX (800) 732-2670
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6010.93 & 6010.95 CONTROL UNIT

Operating Instructions / Parts List



REF#	PART#	DESCRIPTION	QTY	REF#	PART#	DESCRIPTION	QTY
439	0204.69	Body	1	*1374	1101.12	O-Ring	2
454	0205.19	Cylinder	1	*1379	1101.23	O-Ring	1
774	0204.70	Body	1	*1534	1204.31	Poppet	1
846	0303.02	Nut	4	1843	1403.07	Washer	6
1034	0604.09	Barb Nut	2	*1920	1501.50	Seat	1
1040	0604.26	Bypass Barb Nut	1	2091	1512.10	Pin	1
1124	0608.45	Ball Valve-Right	1	2274	1603.44	Plug	1
1129	0608.46	Ball Valve-Left	1	2390	1801.32	Adjustment Knob	1
1248	0901.71	Spring (560 PSI)	1	2479	1804.74	Bolt	2
1249	0901.73	Spring (300 PSI)	1	4640	0202.19	1/2" Hose Barb	2
*1304	0903.26	Diaphragm	1	7132	0254.04	Bypass Hose Barb	1
1353	GG-1000BM	Gauge	1	7330	0604.29	Nut	1
1354	GG-350BM	Gauge	1	7379	0803.21	Lever	1
*1368	1101.04	O-Ring	1	7700	1603.22	Plug	1
*1370	1101.06	O-Ring	1	*7946	1810.03	S.S. Bolt	1

*Parts included in repair kit 6062.A9

NOTE: 6062.A9 is the only repair kit to be used in this control unit.

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (Ref. #7379) to the dump position (Right) so the pump will start at zero pressure. **(Failure to do so will void the pump warranty.)**
2. Turn pressure adjustment knob (Ref. #2390) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (Ref. #7379) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (Ref. #2390) clockwise until desired operating pressure is achieved.

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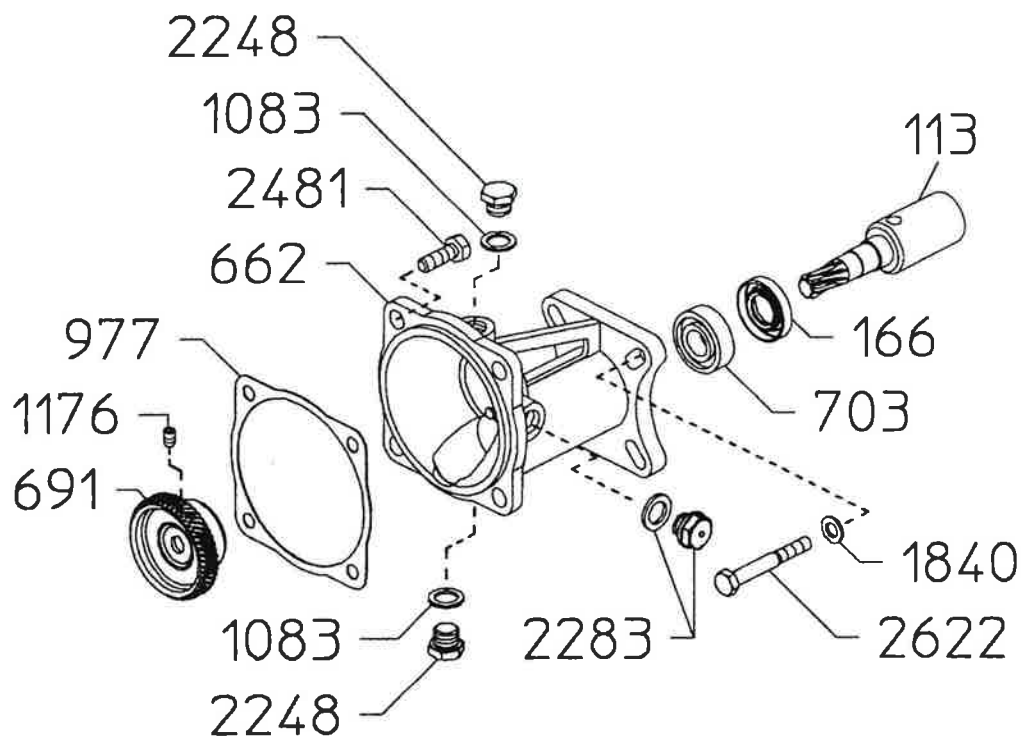
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Revised 1-27-05



5085.F7 Gear Reduction

Installation Instructions for KAPPA-25/GR



5085.F7 3/4"
Gear Reduction
Requires 3 oz.
of 90W
Gear Lube

REF#	PART#	DESCRIPTION	QTY	REF#	PART#	DESCRIPTION	QTY
113	0004.19	Engine Gear, 3/4"	1	1840	1403.10	Washer	4
166	0007.21	Seal	1	2248	1603.67	Plug	2
662	0228.43	Gear Case	1	2283	1603.69	Oil Sight Gauge	1
691	0213.43	Pump Gear	1	2481	1804.07	Bolt	4
703	0214.08	Bearing	1	2622	1807.07	Bolt - 5/16x1	4
977	0602.05	Gasket	1				
1083	0605.49	Gasket	2				
1176	0614.11	Set Screw	1				

*NOTE: USE BLUE THREADLOCKER OR EQUIVALENT ON ALL BOLTS.

- Before installing assembly onto engine, remove oil fill plug (Ref. # 2248) and add 3 oz. of 90W gear lube to gear box.
- Apply a light coating of anti-seize compound or grease to engine shaft and install 3/16" key, which is supplied with the engine. Slide assembly over engine shaft and fasten to engine using (4) 5/16"x1" bolts (Ref. #2622) and (4) washers (Ref. #1840) provided.

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