



S/V BEATRIX - KELLY-PETERSON 44 #286 (1980)

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ITEM	TYPE	TITLE	FUNCTION
V1	Five way valve	Fuel Transfer/Polishing Target	Select: T1, T2, T3 or Day Tank
V2	Five way valve	Fuel Transfer/Polishing Source	Select: T1, T2, T3 or Day Tank
V3	Three way valve	Engine Fuel Supply Source	From: Day Tank or Main Tanks
V4	Three way valve	Engine Fuel Return Target	To: Day Tank or Main Tanks
V5	Three way valve	Pump Output Target	To: Day Tank or Main Tanks
V6	Shutoff valve	P1 Pump Isolation Valve (Outflow)	On / Off
V7	Shutoff valve	Pump Bypass Valve	Isolate Pump from Circuit
V8	Shutoff Valve	Secondary Filter Isolation Valve	Isolate F2
V9	Shutoff valve	F2 Filter Intake Shutoff Valve	Isolate Filter for Element Changes
V10	Shutoff valve	F1 Filter Intake Shutoff Valve	Isolate Filter for Element Changes
P1	Pump	Polishing Pump	3 gph vane pump
P2	Pump	Day Tank Fill Pump	3 gph vane pump
F1	Filter	Primary Filter	Racor 1000 or 900
F2	Filter	Secondary Filter	Racor 500



MODEL	500 MA	900 MA	1000 MA	75/500 MAX ¹	75/900 MAX ¹	73/1000 MA ¹	75/1000 MAX ¹	77/1000 MA ^{1,2}	79/1000 MA ¹
Maximum Flow Rate	60 gph 227 lph	90 gph 341 lph	180 gph 681 lph	120 gph 454 lph	180 gph 681 lph	360 gph 1363 lph	180/360 gph 681/1363 lph	540 gph 2044 lph	360/540 gph 1363/2044 lph
Height	11.5" / 292 mm	17" / 432 mm	22" / 559 mm	11.5" / 292 mm	17" / 432 mm	22" / 559 mm	22" / 559 mm	22" / 559 mm	22" / 559 mm
Width	5.8" / 147 mm	6" / 152 mm	6" / 152 mm	14.5" / 368 mm	18.75" / 476 mm	17" / 432 mm	18.75" / 476 mm	21.5" / 546 mm	21.5" / 546 mm
Depth	4.8" / 122 mm	7" / 178 mm	7" / 178 mm	9.5" / 241 mm	11" / 279 mm	12" / 305 mm	11" / 279 mm	12" / 305 mm	12" / 305 mm
Weight	4 lbs / 2 Kg	6 lbs / 3 Kg	10 lbs / 5 Kg	17 lbs / 7.7 Kg	23 lbs / 10 Kg	26 lbs / 11.8 Kg	30 lbs / 13.6 Kg	39 lbs / 17.7 Kg	45 lbs / 20.4 Kg
Port Size Std. (Option)	9/16"-18 UNF 14 mm x 1.5	7/8"-14 UNF 22 mm x 1.5	7/8"-14 UNF 22 mm x 1.5	3/4"-16	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Clean Pressure Drop	0.61 PSI 4.23 kPa	0.34 PSI 2.4 kPa	0.49 PSI 3.4 kPa	1.5 PSI 10.3 kPa	1.7 PSI 11.7 kPa	1.7 PSI 11.7 kPa	3.7 PSI 25.5 kPa	1.7 PSI 11.7 kPa	2.5 PSI 17.2 kPa
Maximum Operating Pres.	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa	15 PSI 103 kPa
Element #	2010	2040	2020	2010	2040	2020	2020	2020	2020
Element Rmvl. Clearance	4" / 102 mm	5" / 127 mm	10" / 254 mm	4" / 102 mm	5" / 127 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm

Notes: (1) For double or triple manifold models with 1/2" isolation valves, specify MAX. For double manifold models with single isolation valve and standard filter restriction gauge, specify MAX. The engine may be left operating during isolation of either filter.
(2) 77/1000 triple manifold without shutoff valve also available.
(3) Turbine Series MA units with metal shield are 1" shorter than metal bowl units.

(4) Vacuum installation only. For accurate fuel flow rates consult your engine manual. As a guideline, gph = 0.18 x maximum engine horsepower (diesel only).
(5) Filter/separators are available with metric tapped ports. Specify metric ports when ordering.
(6) Specify MAM units for gasoline applications.

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