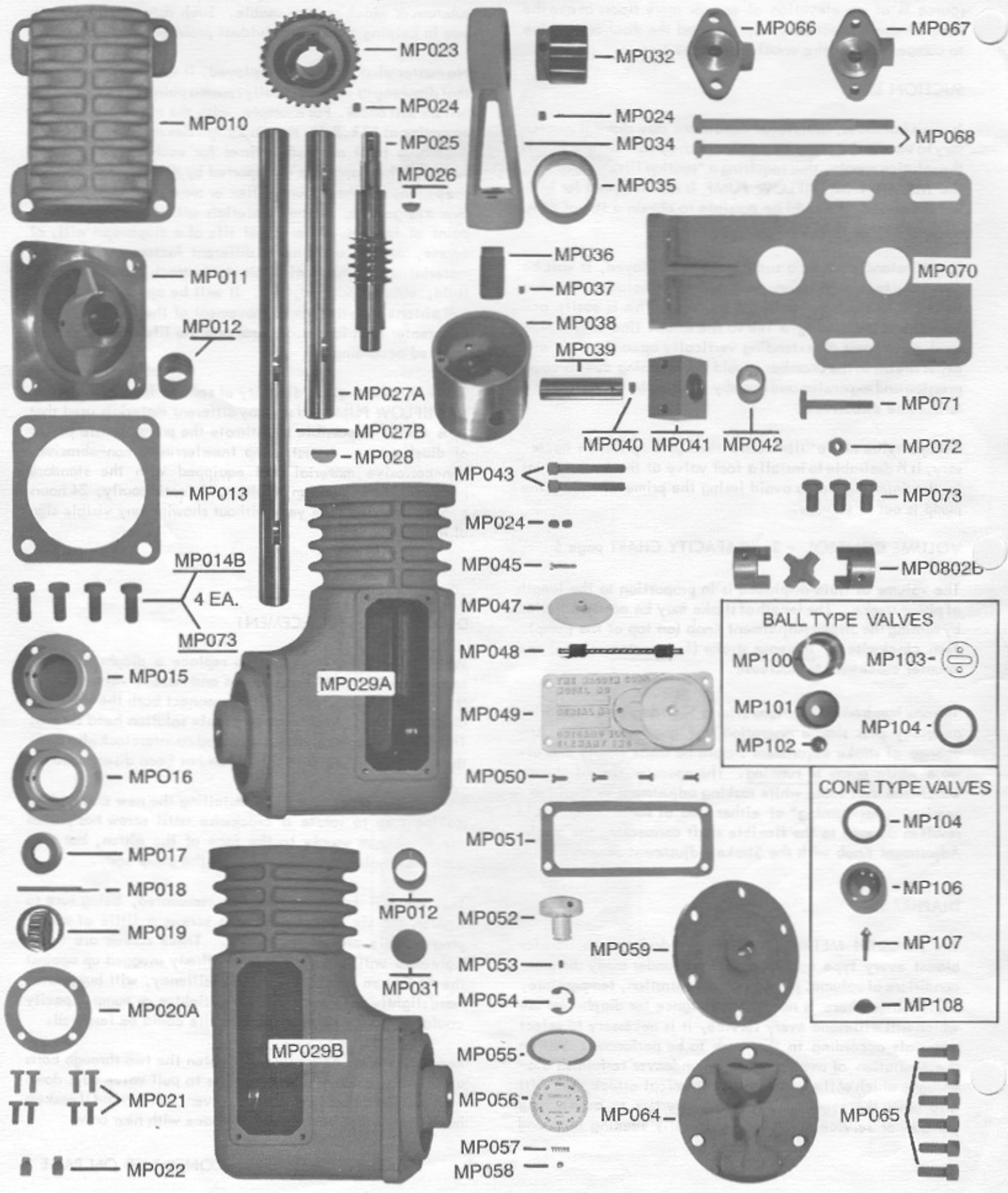


MADDEN *Metriflow* PUMP . . . PARTS LIST



BALL TYPE VALVES	
MP100	MP103
MP101	MP104
MP102	

CONE TYPE VALVES	
	MP104
	MP106
	MP107
	MP108

PART NO.	NAME	REQ	PART NO.	NAME	REQ
MP010	Gear Case	1	MP048	Flexible Shaft	1
MP011	Side Flange-Gear Case	1	MP049	Name Plate	1
MP012	Bushing-Gear Case-Side Flange	1	MP050	Screws-Name Plate	4
MP013	Gaskets-Gear Case	2	MP051	Gasket-Name Plate	1
MP014B	Screws-Gear Case	4	MP052	Adjustment Knob	1
MP015	Bearing Cap (Blind) Gear Case	1	MP053	Set Screw-Adjustment Knob	2
MP016	Bearing Cap (Open) Gear Case	1	MP054	Retaining Ring-Adjustment Knob	1
MP017	Oil Seal-Gear Case-Bearing Cap	1	MP055	Dial Cover	1
MP018	Oil Feed Tube-Bearing Caps	2	MP056	Dial	1
MP019	Timken Bearings-Bearing Caps	2	MP057	Drag Spring	1
MP020A	Gasket Set-Bearing Caps	2	MP058	Drag Spring Ball	1
MP021	Screws-Bearing Caps	8	MP059	Diaphragm (Specify Material)	1
MP022	Oil Plugs-Gear Case	2	MP064	Solution Head-Metal (Specify Material)	1
MP023	Worm Gear (Specify Pump Size)	1	MP065	Screws-Solution Head	6
MP024	Set Screw-Worm Gear	1	MP066	Valve Cap-Outlet (Specify Size & Material)	1
MP025	Worm Drive Shaft (Specify Pump Size)	1	MP067	Valve Cap-Inlet (Specify Size & Material)	1
MP026	Woodruff Key-Worm Drive Shaft	1	MP068	Screws-Valve Cap (Specify Length)	2
MP027A	Pump Drive Shaft-Simplex	1	MP070	Motor Mounting Bracket	1
MP027B	Pump Drive Shaft-Duplex	1	MP071	Support Screw-Motor Mtg. Bracket	1
MP028	Woodruff Key-Pump Drive Shaft	2	MP072	Lock Nut-Support Screw	1
MP029B	Pump Body-Right Hand From Solution End	1	MP073	Screws-Motor Mtg. Bracket	7
MP029A	Pump Body-Left Hand From Solution End	1	MP0802B	Coupling	1
MP012	Bushings-Pump Body	3	MP100	Valve Body Sleeve (Specify Material)	2
MP031	Expansion Plug	1	MP101	Conical Flexible Valve Seat (Specify Material)	2
MP032	Eccentric Drive	1	MP102	Valve Ball (Specify Material)	2
MP024	Set Screw-Eccentric Drive	1	MP103	Ball Cushion	2
MP034	Connecting Rod	1	MP104	Gasket Valve, Top & Bottom	4
MP035	Bushing-Connecting Rod	1	MP106*	Valve Seat (Specify Material)	2
MP036	Stroke Adjustment Screw	1	MP107*	Valve Stem with Nut (Specify Material)	2
MP037	Set Screw-Stroke Adjustment Screw	1	MP108*	Flexible Valve Ring (Specify Material)	2
MP038	Piston	1	MP109	Spring Valve (Specify Material)	1
MP039	Wrist Pin	1	MP115	Valve Seat, Rigid (Specify Material)	2
MP040	Set Screw-Wrist Pin	1	MP052A	O-Ring-Adjustment Knob	1
MP041	Trunnion	1	MP082	Coupling Guard	1
MP042	Bushing-Trunnion	1	MP083	Screw, Coupling Guard	2
MP043	Slide Screws-Trunnion	2			
MP024	Set Screws-Trunnion Slide Screws	4			
MP045	Dial Cover Screw	1			
MP047	Dial Gear w/MP056 Scale	1			

* THESE PARTS REPLACE MP100 THROUGH MP103 IN SOME PUMPS.

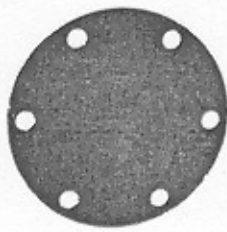
MADDEN MANUFACTURING, INC. - 1317 PRINCETON BLVD. - ELKHART, IN

BE SURE TO GIVE PUMP MODEL AND SERIAL NUMBER WHEN ORDERING REPLACEMENT PARTS.

PVC AND TEFLON SOLUTION HEAD PARTS



MP120 Solution Head Plastic-1 Req.



MP121 Face Flange-1 Req.



MP122 Face Flange Screws 6 Req.



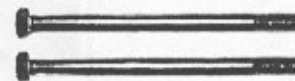
MP123 Valve Connector-1 Req.



MP124 Valve Connector Flange Outlet-1 Req.



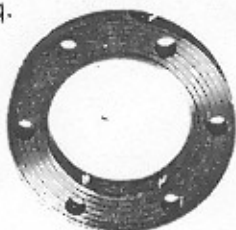
MP125 Valve Connector Flange Inlet-1 Req.



MP068C - 8" Valve Connector Flange Screws-2 Req.

TYPE DDB DOUBLE DIAPHRAGM PARTS

MP140 Diaphragm Spacer 1 Req.



MP134 Backup Diaphragm (Flat) 1 Req.



MP133 Screws-Solution Head 6 Req. (For PVC or Teflon Solution Head)

MP165 (For Metal Solution Head)