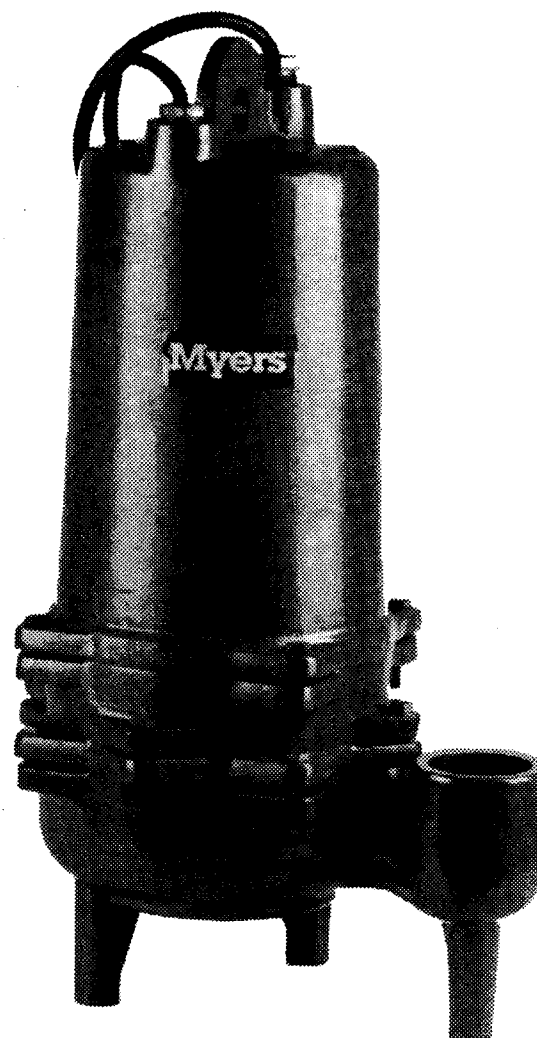


Myers®

MWH50 - MW200 SERIES ME33 - ME150 SERIES Submersible Sump, Effluent & Sewage Pumps

Installation and Service Manual

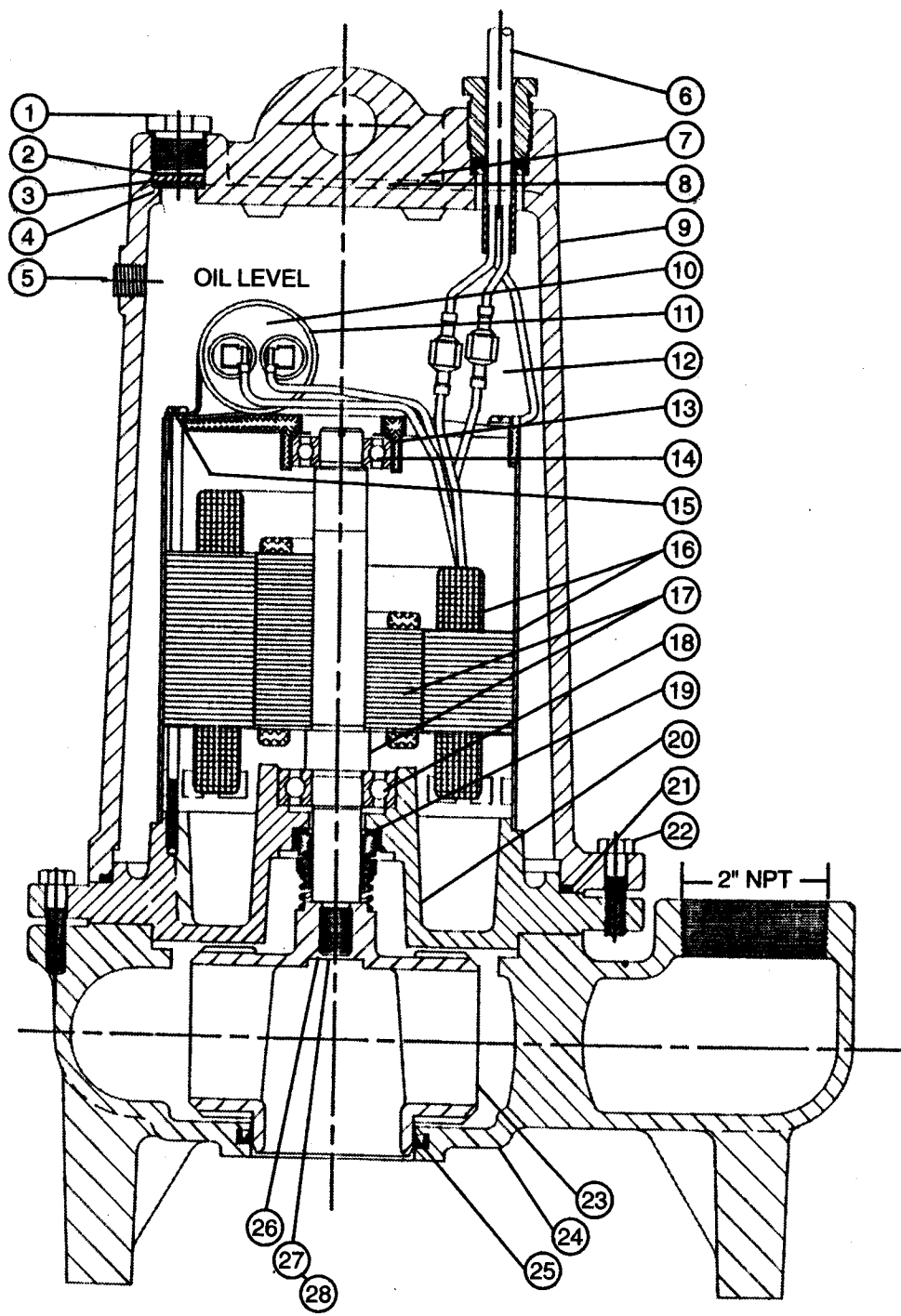
Single and double seal. Single and three phase power.



SINGLE SEAL PUMP
ME33S, ME50S, ME75S
ME100S, ME150S,
MWH50, MW100,
MW150, MW200

DOUBLE SEAL PUMP
ME33D, ME50D, ME75D
ME100D, ME150D,
MWH50D, MW100D,
MW150D, MW200D

TYPICAL SECTION DRAWING FOR ME/MW33-200 SINGLE SEAL PUMPS



SINGLE SEAL REPAIR PARTS LIST

Ref. No.	Description	No. Req'd.	Part Numbers
1	Nut, cord plug, solid	1	25341A002
2	Washer, 1/32" Thk.	1	05030A234
3	Gasket, rubber	1	05014A193
4	Washer, 3/32" Thk.	1	05030A235
5	Plug, 1/4" pipe	1	05022A009
6	Cord, power	1	See Chart
7	Screw, drive	2	05160A004
8	Nameplate, blank, 1 Ph	1	25488A000
8	Nameplate, blank, 3 Ph	1	25499A000
9	Housing, motor (ME33-150/MWH50-200)	1	25327D000
10	Capacitor (1 Ph only)	1	See Chart
11	Clip, capacitor (1 Ph only)	1	See Chart
12	Oil, transformer (5 gal.) (ME33-50)	.8 gal.	11009A006
12	Oil, transformer (5 gal.) (ME/MWH50-200)	1 gal.	11009A006
12A	Connectors (3 Ph only)	3/6	15781A001
13	Washer, bearing	1	19331A005
13B	Ring, retaining (ME33-50)	2	12558A021
14	Bearing, ball, upper	1	08565A013
15	Screw, ST, #10 x 3/8	2	09822A032
16	Stator with shell	1	See Chart

Ref. No.	Description	No. Req'd.	Part Numbers
17	Rotor with shaft	1	See Chart
18	Bearing, ball, lower (ME33-50)	1	08565A013
18	Bearing, ball, lower (ME75-150/MWH50-200)	1	08565A022
19	Seal, shaft (ME33-50)	1	22447A020
19	Seal, shaft (ME/MWH50-200)	1	25370A000
20	Plate, brg. & seal (ME33-50)	1	25364D000
20	Plate, brg. & seal (ME/MWH50-200)	1	25367D000
21	Gasket, tetraseal, 7 x 6-3/4 x 1/8	1	05014A181
22	Screw, cap, 5/16 x 1-1/4	8	19100A012
23	Impeller, plastic (std. series)	1	See Chart
23	Impeller, BRASS ('B' series)	1	See Chart
24	Case, volute (ME33-50)	1	25357D000
24	Case, volute (ME75-150)	1	25331D000
24	Case, volute (MWH50-200)	1	26057D000
25	Cup, U, HUVA (ME33-150)	1	22835A005
25	Cup, U, HUVA (MWH50-200)	1	22835A009
27	Nut, Jam (ME50)	1	19109A070
28	Sealant (Grade 271 Loctite)	1	14550A001

SINGLE SEAL ME SERIES PUMPS CHART

Pump Catalog Numbers	Pump Engineer. Numbers	⑥ Cord, Power	⑩ Capacitor	⑪ Clip, Capacitor	⑯ Stator w/shell	⑰ Rotor w/shaft	⑳ Impeller, Plastic (standard)	㉓ Impeller, Brass ("B" series)
ME33S-11	25325D000	25338B004	23838A000	20333A004	25482C000	25486B004	25333B010	25333B110
ME33S-11B	25325D100							
ME33S-01	25325D001							
ME33S-01B	25325D101							
ME33S-21	25325D002	25338B005	23838A000	20333A004	25482C001	25486B004	25333B010	25333B110
ME33S-21B	25325D102							
ME33S-01 L/P	25325D033							
ME33S-01B L/P	25325D133							
ME33S-21 L/P	25325D034	25338B006	23838A000	20333A004	25482C001	25486B004	25333B010	25333B110
ME33S-21B L/P	25325D134							
ME33S-03	25325D003							
ME33S-03B	25325D103							
ME33S-23	25325D004	25338B003	-	-	25482C002	25486B005	25333B010	25333B110
ME33S-23B	25325D104							
ME33S-43	25325D005							
ME33S-43B	25325D105							
ME33S-53	25325D006	25338B003	-	-	25482C003	25486B005	25333B010	25333B110
ME33S-53B	25325D106							

SINGLE SEAL ME SERIES PUMPS CHART

Pump Catalog Numbers	Pump Engineer Numbers	⑥ Cord, Power	⑩ Capacitor	⑪ Clip, Capacitor	⑯ Stator w/shell	⑰ Rotor w/shaft	⑳ Impeller, Plastic (standard)	㉓ Impeller, Brass ("B" series)
ME50S-11	25325D007	25338B004	23838A000	20333A004	25482C004	25486B006	25333B005	25333B100
ME50S-11B	25325D107							
ME50S-01	25325D008	25338B005	23839A000	20333A006	25482C008	25486B006	25333B005	25333B100
ME50S-01B	25325D108							
ME50S-21	25325D009	25338B005	23838A000	20333A004	25482C005	25486B006	25333B005	25333B100
ME50S-21B	25325D109							
ME50S-01 L/P	25325D035	25338B006	23839A000	20333A006	25482C008	25486B006	25333B005	25333B100
ME50S-01B L/P	25325D135							
ME50S-21 L/P	25325D036	25338B006	23838A000	20333A004	25482C005	25486B006	25333B005	25333B100
ME50S-21B L/P	25325D136							
ME50S-03	25325D010	25338B003	-	-	25482C006	25486B007	25333B005	25333B100
ME50S-03B	25325D110							
ME50S-23	25325D011	25338B003	-	-	25482C006	25486B007	25333B005	25333B100
ME50S-23B	25325D111							
ME50S-43	25325D012	25338B003	-	-	25482C006	25486B007	25333B005	25333B100
ME50S-43B	25325D112							
ME50S-53	25325D013	25338B003	-	-	25482C007	25486B007	25333B005	25333B100
ME50S-53B	25325D113							
ME75S-11	25325D014	25338B000	23839A000	20333A006	25484C002	25487B002	25348B020	25348B120
ME75S-11B	25325D114							
ME75S-01	25325D015	25338B001	23839A000	20333A006	25484C003	25487B002	25348B020	25348B120
ME75S-01B	25325D115							
ME75S-21	25325D016	25338B001	23838A000	20333A004	25484C003	25487B002	25348B020	25348B120
ME75S-21B	25325D116							
ME75S-01 L/P	25325D037	25338B002	23839A000	20333A006	25484C003	25487B002	25348B020	25348B120
ME75S-01B L/P	25325D137							
ME75S-21 L/P	25325D038	25338B002	23838A000	20333A004	25484C003	25487B002	25348B020	25348B120
ME75S-21B L/P	25325D138							
ME75S-03	25325D017	25338B003	-	-	25484C004	25487B003	25348B020	25348B120
ME75S-03B	25325D117							
ME75S-23	25325D018	25338B003	-	-	25484C004	25487B003	25348B020	25348B120
ME75S-23B	25325D118							
ME75S-43	25325D019	25338B003	-	-	25484C004	25487B003	25348B020	25348B120
ME75S-43B	25325D119							
ME75S-53	25325D020	25338B003	-	-	25484C005	25487B003	25348B020	25348B120
ME75S-53B	25325D120							
ME100S-01	25325D021	25338B001	23838A000	20333A004	25484C012	25487B004	25348B010	25348B110
ME100S-01B	25325D121							
ME100S-21	25325D022	25338B001	23838A000	20333A004	25484C006	25487B004	25348B010	25348B110
ME100S-21B	25325D122							
ME100S-01 L/P	25325D039	25338B002	23838A000	20333A004	25484C012	25487B004	25348B010	25348B110
ME100S-01B L/P	25325D139							
ME100S-21 L/P	25325D040	25338B002	23838A000	20333A004	25484C006	25487B004	25348B010	25348B110
ME100S-21B L/P	25325D140							
ME100S-03	25325D023	25338B003	-	-	25484C007	25487B005	25348B010	25348B110
ME100S-03B	25325D123							
ME100S-23	25325D024	25338B003	-	-	25484C007	25487B005	25348B010	25348B110
ME100S-23B	25325D124							
ME100S-43	25325D025	25338B003	-	-	25484C007	25487B005	25348B010	25348B110
ME100S-43B	25325D125							
ME100S-53	25325D026	25338B003	-	-	25484C008	25487B005	25348B010	25348B110
ME100S-53B	25325D126							
ME150S-01	25325D027	25338B001	23838A000	20333A004	25484C013	25487B004	25348B000	25348B100
ME150S-01B	25325D127							
ME150S-21	25325D028	25338B001	23838A000	20333A004	25484C009	25487B004	25348B000	25348B100
ME150S-21B	25325D128							
ME150S-01 L/P	25325D041	25338B002	23838A000	20333A004	25484C013	25487B004	25348B000	25348B100
ME150S-01B L/P	25325D141							
ME150S-21 L/P	25325D042	25338B002	23838A000	20333A004	25484C009	25487B004	25348B000	25348B100
ME150S-21B L/P	25325D142							
ME150S-03	25325D029	25338B003	-	-	25484C010	25487B006	25348B000	25348B100
ME150S-03B	25325D129							
ME150S-23	25325D030	25338B003	-	-	25484C010	25487B006	25348B000	25348B100
ME150S-23B	25325D130							
ME150S-43	25325D031	25338B003	-	-	25484C010	25487B006	25348B000	25348B100
ME150S-43B	25325D131							
ME150S-53	25325D032	25338B003	-	-	25484C011	25487B006	25348B000	25348B100
ME150S-53B	25325D132							

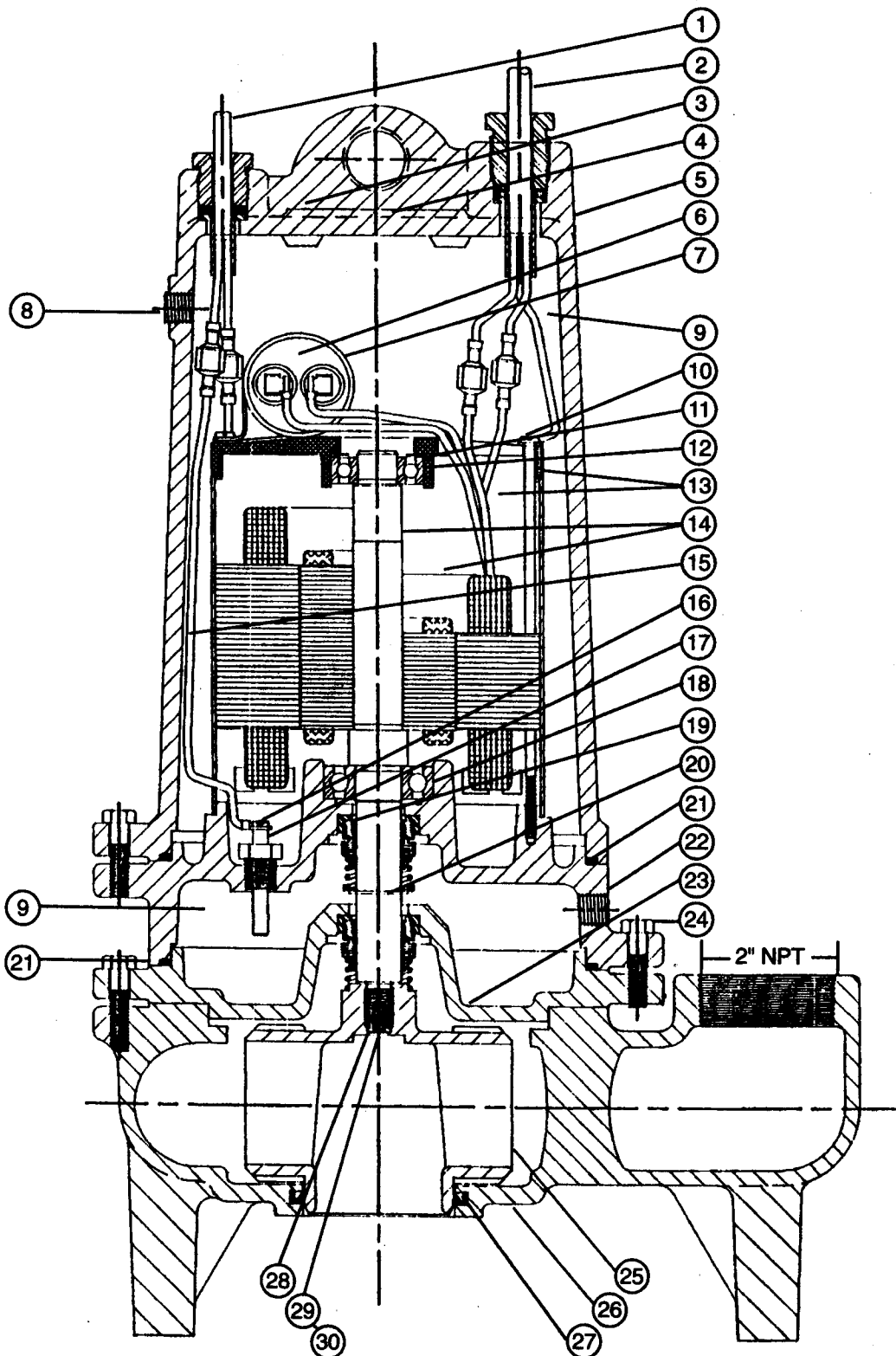
SINGLE SEAL MW SERIES PUMPS CHART

Pump Catalog Numbers	Pump Engineer. Numbers	② Cord, Power	⑥ Capacitor	⑦ Clip, Capacitor	⑬ Stator w/shell	⑭ Rotor w/shaft	⑳ Impeller (standard)**	㉑ Impeller, Brass**
MWH50-01 L/P	26089D039	25338B002	23839A000	20333A006	25484C003	25487B002 25487B012*	26029B003	26029B103
MWH50-01B L/P	26089D139							
MWH50-01P	26089D013							
MWH50-01BP	26089D113	25338B001	23838A000	20333A004	25484C003	25487B002 25487B012*	26029B003	26029B103
MWH50-21 L/P	26089D040	25338B002						
MWH50-21B L/P	26089D140	25338B001						
MWH50-21P	26089D014							
MWH50-21BP	26089D114							
MWH50-01	26089D015	25338B001	23839A000	20333A006	25484C003	25487B002 25487B012*	26029B003	26029B103
MWH50-01B	26089D115							
MWH50-21	26089D016							
MWH50-21B	26089D116	25338B001	23838A000	20333A004	25484C003	25487B002 25487B012*	26029B003	26029B103
MWH50-03	26089D017							
MWH50-03B	26089D117							
MWH50-23	26089D018	25338B003	-	-	25484C004	25487B003 25487B013*	26029B003	26029B103
MWH50-23B	26089D118							
MWH50-43	26089D019							
MWH50-43B	26089D119	25338B003	-	-	25484C004	25487B003 25487B013*	26029B003	26029B103
MWH50-53	26089D020							
MWH50-53B	26089D120							
MW100-01 L/P	26089D041	25338B002	23838A000	20333A004	25484C012	25487B004 25487B014*	26029B002	26029B102
MW100-01B L/P	26089D141							
MW100-21 L/P	26089D042							
MW100-21B L/P	26089D142	25338B002	23838A000	20333A004	25484C006	25487B004 25487B014*	26029B002	26029B102
MW100-03	26089D023							
MW100-03B	26089D123							
MW100-23	26089D024	25338B003	-	-	25484C007	25487B005 25487B015*	26029B002	26029B102
MW100-23B	26089D124							
MW100-43	26089D025							
MW100-43B	26089D125	25338B003	-	-	25484C007	25487B005 25487B015*	26029B002	26029B102
MW100-53	26089D026							
MW100-53B	26089D126							
MW100-01	26089D021	25338B001	23838A000	20333A004	25484C012	25487B004 25487B014*	26029B002	26029B102
MW100-01B	26089D121							
MW100-21	26089D022							
MW100-21B	26089D122	25338B001	23838A000	20333A004	25484C006	25487B004 25487B014*	26029B002	26029B102
MW150-01 L/P	26089D043							
MW150-01B L/P	26089D143							
MW150-21 L/P	26089D044	25338B002	23838A000	20333A004	25484C015	25487B004 25487B014*	26029B001	26029B101
MW150-21B L/P	26089D144							
MW150-03	26089D029							
MW150-03B	26089D129	25338B003	-	-	25484C016	25487B006 25487B016*	26029B001	26029B101
MW150-23	26089D030							
MW150-23B	26089D130							
MW150-43	26089D031	25338B003	-	-	25484C016	25487B006 25487B016*	26029B001	26029B101
MW150-43B	26089D131							
MW150-53	26089D032							
MW150-53B	26089D132	25338B003	-	-	25484C017	25487B006 25487B016*	26029B001	26029B101
MW150-01	26089D027							
MW150-01B	26089D127							
MW150-21	26089D028	25338B001	23838A000	20333A004	25484C015	25487B004 25487B014*	26029B001	26029B101
MW150-21B	26089D128							
MW200-01 L/P	26089D045							
MW200-01B L/P	26089D145	25338B002	23839A000	20333A006	25484C014	25487B004 25487B014*	26029B000	26029B100
MW200-21 L/P	26089D046							
MW200-21B L/P	26089D146							
MW200-03	26089D035	25338B003	-	-	25484C016	25487B006 25487B016*	26029B000	26029B100
MW200-03B	26089D135							
MW200-23	26089D036							
MW200-23B	26089D136	25338B003	-	-	25484C016	25487B006 25487B016*	26029B000	26029B100
MW200-43	26089D037							
MW200-43B	26089D137							
MW200-53	26089D038	25338B003	-	-	25484C017	25487B006 25487B016*	26029B000	26029B100
MW200-53B	26089D138							
MW200-01	26089D033							
MW200-01B	26089D133	25338B001	23839A000	20333A006	25484C014	25487B004 25487B014*	26029B000	26029B100
MW200-21	26089D034							
MW200-21B	26089D134							

* If unit manufacture date is after May 1996, order indicated rotor/shaft assembly designated with asterik (*).

** If impeller is required for unit built prior to May 1996, a replacement rotor/shaft assembly must be ordered as well. Order rotor/shaft assembly designated with asterik (*).

TYPICAL SECTION DRAWING FOR ME/MW33-200 DOUBLE SEAL PUMPS



DOUBLE SEAL REPAIR PARTS LIST

Ref. No.	Description	No. Req'd.	Part Numbers
1	Cord, sensor	1	25339B000
2	Cord, power	1	See Chart
3	Screw, drive	2	05160A004
4	Nameplate, blank, 1 Ph	1	25488A000
4	Nameplate, blank, 3 Ph	1	25499A000
5	Housing, motor (ME33-150/MWH50-200)	1	25327D000
6	Capacitor (1 Ph only)	1	See Chart
7	Clip, capacitor (1 Ph only)	1	See Chart
8	Plug, 1/4" pipe	2	05022A056
9	Oil, transformer (5 gal.) (ME33-50)	1 gal.	11009A006
9	Oil, transformer (5 gal.) (ME/MWH50-200)	1.12 gal.	11009A006
9A	Connectors (3 Ph only)	3/6	15781A001
10	Screw, ST, #10 x 3/8	2	09822A032
11	Washer, bearing	1	19331A005
12	Bearing, ball, upper	1	08565A013
13	Stator with shell	1	See Chart
14	Rotor with shaft	1	See Chart
15	Wire, electrode	2	21792A004
16	Screw, #6 x 1/4	2	05434A025
17	Probe, seal leak	2	25343A000

Ref. No.	Description	No. Req'd.	Part Numbers
18	Bearing, ball, lower (ME33-50)	1	08565A013
18	Bearing, ball, lower (ME/MWH50-200)	1	08565A022
19	Seal, shaft (ME33-50)	2	22447A020
19	Seal, shaft (ME/MWH50-200)	2	25370A000
20	Ring, retaining (ME33-50)	2	12558A021
20	Ring, retaining (ME/MWH50-200)	1	12558A033
21	Gasket, tetrseal, 7 x 6-3/4 x 1/8	2	05014A181
22	Housing, seal (ME33-50)	1	25365D000
22	Housing, seal (ME75-150/MWH50-200)	1	25369D000
23	Plate, bottom (ME33-50)	1	25366D000
23	Plate, bottom (ME75-150/MWH50-200)	1	25368D000
24	Screw, cap, 5/16 x 1-1/4	12	19100A012
25	Impeller, (std. series)	1	See Chart
25	Impeller, brass ('B' series)	1	See Chart
26	Case, volute (ME33-50)	1	25357D000
26	Case, volute (ME75-150)	1	25331D000
26	Case, volute (MWH50-200)	1	26057D000
27	Cup, U, HUVA (ME33-150)	1	22835A005
27	Cup, U, HUVA (MWH50-200)	1	22835A009
29	Nut, Jam (ME50)	1	19109A070
30	Sealant (Grade 271 Loctite)	1	14550A001

DOUBLE SEAL ME SERIES PUMPS CHART

Pump Catalog Numbers	Pump Engineer. Numbers	② Cord, Power	⑥ Capacitor	⑦ Clip, Capacitor	⑬ Stator w/shell	⑭ Rotor w/shaft	⑳ Impeller, Plastic (standard)	㉑ Impeller, Brass ("B" series)
ME33D-11	25326D000	25338B006	23838A000	20333A004	25482C000	25486B000	25333B010	25333B110
ME33D-11B	25326D100							
ME33D-01	25326D001	25338B006	23839A000	20333A006	25482C001	25486B000	25333B010	25333B110
ME33D-01B	25326D101							
ME33D-21	25326D002	25338B006	23838A000	20333A004	25482C001	25486B000	25333B010	25333B110
ME33D-21B	25326D102							
ME33D-03	25326D003	25338B003	-	-	25482C002	25486B001	25333B010	25333B110
ME33D-03B	25326D103							
ME33D-23	25326D004	25338B003	-	-	25482C002	25486B001	25333B010	25333B110
ME33D-23B	25326D104							
ME33D-43	25326D005	25338B003	-	-	25482C002	25486B001	25333B010	25333B110
ME33D-43B	25326D105							
ME33D-53	25326D006	25338B003	-	-	25482C003	25486B001	25333B010	25333B110
ME33D-53B	25326D106							
ME50D-11	25326D007	25338B006	23838A000	20333A004	25482C004	25486B002	25333B005	25333B100
ME50D-11B	25326D107							
ME50D-01	25326D008	25338B006	23839A000	20333A006	25482C008	25486B002	25333B005	25333B100
ME50D-01B	25326D108							
ME50D-21	25326D009	25338B006	23838A000	20333A004	25482C005	25486B002	25333B005	25333B100
ME50D-21B	25326D109							
ME50D-03	25326D010	25338B003	-	-	25482C006	25486B003	25333B005	25333B100
ME50D-03B	25326D110							
ME50D-23	25326D011	25338B003	-	-	25482C006	25486B003	25333B005	25333B100
ME50D-23B	25326D111							
ME50D-43	25326D012	25338B003	-	-	25482C006	25486B003	25333B005	25333B100
ME50D-43B	25326D112							
ME50D-53	25326D013	25338B003	-	-	25482C007	25486B003	25333B005	25333B100
ME50D-53B	25326D113							
ME75D-11	25326D014	25338B002	23839A000	20333A006	25484C002	25487B007	25348B020	25348B120
ME75D-11B	25326D114							
ME75D-01	25326D015	25338B002	23839A000	20333A006	25484C003	25487B007	25348B020	25348B120
ME75D-01B	25326D115							
ME75D-21	25326D016	25338B002	23838A000	20333A004	25484C003	25487B007	25348B020	25348B120
ME75D-21B	25326D116							
ME75D-03	25326D017	25338B003	-	-	25484C004	25487B008	25348B020	25348B120
ME75D-03B	25326D117							
ME75D-23	25326D018	25338B003	-	-	25484C004	25487B008	25348B020	25348B120
ME75D-23B	25326D118							
ME75D-43	25326D019	25338B003	-	-	25484C004	25487B008	25348B020	25348B120
ME75D-43B	25326D119							
ME75D-53	25326D020	25338B003	-	-	25484C005	25487B008	25348B020	25348B120
ME75D-53B	25326D120							
ME100D-01	25326D021	25338B002	23838A000	20333A004	25484C012	25487B009	25348B010	25348B110
ME100D-01B	25326D121							
ME100D-21	25326D022	25338B002	23838A000	20333A004	25484C006	25487B009	25348B010	25348B110
ME100D-21B	25326D122							
ME100D-03	25326D023	25338B003	-	-	25484C007	25487B010	25348B010	25348B110
ME100D-03B	25326D123							
ME100D-23	25326D024	25338B003	-	-	25484C007	25487B010	25348B010	25348B110
ME100D-23B	25326D124							
ME100D-43	25326D025	25338B003	-	-	25484C007	25487B010	25348B010	25348B110
ME100D-43B	25326D125							
ME100D-53	25326D026	25338B003	-	-	25484C008	25487B010	25348B010	25348B110
ME100D-53B	25326D126							
ME150D-01	25326D027	25338B002	23838A000	20333A004	25484C013	25487B009	25348B000	25348B100
ME150D-01B	25326D127							
ME150D-21	25326D028	25338B002	23838A000	20333A004	25484C009	25487B009	25348B000	25348B100
ME150D-21B	25326D128							
ME150D-03	25326D029	25338B003	-	-	25484C010	25487B011	25348B000	25348B100
ME150D-03B	25326D129							
ME150D-23	25326D030	25338B003	-	-	25484C010	25487B011	25348B000	25348B100
ME150D-23B	25326D130							
ME150D-43	25326D031	25338B003	-	-	25484C010	25487B011	25348B000	25348B100
ME150D-43B	25326D131							
ME150D-53	25326D032	25338B003	-	-	25484C011	25487B011	25348B000	25348B100
ME150D-53B	25326D132							

DOUBLE SEAL MW SERIES PUMPS CHART

Pump Catalog Numbers	Pump Engineer. Numbers	② Cord, Power	⑥ Capacitor	⑦ Clip, Capacitor	⑬ Stator w/shell	⑭ Rotor w/shaft	②⑤ Impeller (standard)**	②⑤ Impeller, Brass**
MWH50D-01	26090D015	25338B002	23839A000	20333A006	25484C003	25487B007 25487B017*	26029B003	26029B103
MWH50D-01B	26090D115							
MWH50D-01P	26090D013							
MWH50D-01BP	26090D113							
MWH50D-21	26090D016	25338B002	23838A000	20333A004	25484C003	25487B007 25487B017*	26029B003	26029B103
MWH50D-21B	26090D116							
MWH50D-21P	26090D014							
MWH50D-21BP	26090D114							
MWH50D-03	26090D017	25338B003	-	-	25484C004	25487B008 25487B018*	26029B003	26029B103
MWH50D-03B	26090D117							
MWH50D-23	26090D018	25338B003	-	-	25484C004	25487B008 25487B018*	26029B003	26029B103
MWH50D-23B	26090D118							
MWH50D-43	26090D019	25338B003	-	-	25484C004	25487B008 25487B018*	26029B003	26029B103
MWH50D-43B	26090D119							
MWH50D-53	26090D020	25338B003	-	-	25484C005	25487B008 25487B018*	26029B003	26029B103
MWH50D-53B	26090D120							
MW100D-01	26090D021	25338B002	23838A000	20333A004	25484C012	25487B009 25487B019*	26029B002	26029B102
MW100D-01B	26090D121							
MW100D-21	26090D022	25338B002	23838A000	20333A004	25484C006	25487B009 25487B019*	26029B002	26029B102
MW100D-21B	26090D122							
MW100D-03	26090D023	25338B003	-	-	25484C007	25487B010 25487B020*	26029B002	26029B102
MW100D-03B	26090D123							
MW100D-23	26090D024	25338B003	-	-	25484C007	25487B010 25487B020*	26029B002	26029B102
MW100D-23B	26090D124							
MW100D-43	26090D025	25338B003	-	-	25484C007	25487B010 25487B020*	26029B002	26029B102
MW100D-43B	26090D125							
MW100D-53	26090D026	25338B003	-	-	25484C008	25487B010 25487B020*	26029B002	26029B102
MW100D-53B	26090D126							
MW150D-01	26090D027	25338B002	23838A000	20333A004	25484C014	25487B009 25487B019*	26029B001	26029B101
MW150D-01B	26090D127							
MW150D-21	26090D028	25338B002	23838A000	20333A004	25484C015	25487B009 25487B019*	26029B001	26029B101
MW150D-21B	26090D128							
MW150D-03	26090D029	25338B003	-	-	25484C016	25487B011 25487B021*	26029B001	26029B101
MW150D-03B	26090D129							
MW150D-23	26090D030	25338B003	-	-	25484C016	25487B011 25487B021*	26029B001	26029B101
MW150D-23B	26090D130							
MW150D-43	26090D031	25338B003	-	-	25484C016	25487B011 25487B021*	26029B001	26029B101
MW150D-43B	26090D131							
MW150D-53	26090D032	25338B003	-	-	25484C017	25487B011 25487B021*	26029B001	26029B101
MW150D-53B	26090D132							
MW200D-01	26090D033	25338B002	23839A000	20333A006	25484C014	25487B009 25487B019*	26029B000	26029B100
MW200D-01B	26090D133							
MW200D-21	26090D034	25338B002	23839A000	20333A006	25484C015	25487B009 25487B019*	26029B000	26029B100
MW200D-21B	26090D134							
MW200D-03	26090D035	25338B003	-	-	25484C016	25487B011 25487B021*	26029B000	26029B100
MW200D-03B	26090D135							
MW200D-23	26090D036	25338B003	-	-	25484C016	25487B011 25487B021*	26029B000	26029B100
MW200D-23B	26090D136							
MW200D-43	26090D037	25338B003	-	-	25484C016	25487B011 25487B021*	26029B000	26029B100
MW200D-43B	26090D137							
MW200D-53	26090D038	25338B003	-	-	25484C017	25487B011 25487B021*	26029B000	26029B100
MW200D-53B	26090D138							

* If unit manufacture date is after May 1996, order indicated rotor/shaft assembly.

** If impeller is required for unit built prior to May 1996, a replacement rotor/shaft assembly must be ordered as well. Order rotor/shaft assembly designated with asterik (*).

GENERAL DESCRIPTION AND APPLICATION

Myers ME and MW series pumps are available in both a single seal design and double seal design with leak detector. The ME33-150 models are designed for Effluent dosing, Septic Tank Effluent Pumping (S.T.E.P.) or normal sump and general dewatering applications where higher pressure is required. These units are designed to handle 3/4" spherical solids. The MWH50-MW200 models are designed for raw sewage applications and can pass 2" spherical solids. These units can also be used for sump and general dewatering applications where larger solids capabilities are required.

When used in Effluent dosing or S.T.E.P. applications, the pump must be installed in a separate tank or compartment at the discharge side of the septic tank. **NEVER INSTALL PUMP IN MAIN TANK WHERE SLUDGE COLLECTS.**

These pumps are available in single phase and three phase, and either in single seal or double seal with seal leak detector. All three phase units, all double seal units and all duplex installations must be used with a control box. All power cords and seal leak detector cords are 20 feet long.

The ME model impellers are enclosed two vane type to handle 3/4" spherical solids and are available made of engineered thermoplastic or cast brass. All pumps have a 2" NPT discharge tapping.

The MW model impellers are enclosed two vane non-clog style, designed to handle 2" spherical solids. The MW pumps are available with standard cast iron or optional cast brass impellers.

These pumps are NOT for use in swimming pools or fountains.

AIR LOCKING

A sump pump is said to be air locked if water traps air in the pump and it cannot get out, thus preventing the pump from operating.

In installation of this type a 1/8" hole should be drilled in the discharge pipe below the check valve. The check valve should be 12 to 18 inches above pump discharge. Do not put check valve directly into pump discharge opening.

PACKAGING

Each pump is packaged separately in a carton marked with a catalog number and Myers engineering number.

LEVEL CONTROLS

All pumps must use sealed level control switches for automatic operation. MLC and MFLC controls have sealed switches that are 1 HP rated at 230 volts. ALC and AWS-1 controls have sealed mechanical switches that are rated 2 HP at 230 volts.

Simplex single phase pumps can be made automatic by attaching MFLC or MLC controls to the pump. These switches have a fixed draw off level of 8 to 10 inches and can be used up to 1 HP. For higher horsepower ratings two mercury switches (or SMNO) controls with a magnetic starter can be used. Simplex systems may also use on/off pilot mercury control switches with control box and magnetic starter. The ALC and AWS-1 controls can be used for simplex single phase pumps with ratings up to 2 HP. All duplex systems must use pilot mercury control switches with control box and magnetic starters.

Plug-in cords can be used on all the single phase pumps with a single seal (does not have a seal leak detector). This cord has a GROUND pin that plugs into a grounded receptacle. The grounded receptacle cannot be used in the wet sump or basin due to DANGER of current leakage. Sealed junction boxes must be used in wet sumps or basins to make connections to motor cord. The AWS-1 control also acts as a sealed junction box for connecting power cord to pump cord.

DOUBLE SEAL PUMPS

All pumps in this series "ME--D" or "MW--D" have two seals with an oil chamber between the seals so that the seal faces of both the lower and upper seals are oil lubricated for longer life and greater protection against water leaking into the motor windings. These double seal units are all made with a seal leak detector.

The leak detector in the oil seal chamber detects any water leakage into the chamber and turns on a red signal light in the control panel. Pumps should be removed from the sump and seals replaced after the seal light shows in the panel. Control panels must be used for pumps having the seal leak detectors, and seal leak detectors **must** be wired as illustrated in these instructions.

DESIGN OF PRESSURE SEWER SYSTEMS

MYERS has available complete computer SOFTWARE for designing PRESSURE SEWER SYSTEMS. This gives pipe sizes to use and gives exact flow from any pump or group of pumps in the system when operating simultaneously.

This design DISK for IBM® or COMPATIBLE computers is available to engineers on request.

MOTOR TYPE

Motors are 3/4 frame, 1/3 - 2 HP single or three phase, 60 Hertz, 3450 R.P.M. with class B insulation. All single phase motors are permanent split-capacitor (PSC) type with built-in on-winding overload protection and do not require a start switch or start relay. The three phase pump motors require a magnetic starter with 3 leg overload protection. All motors have upper and lower ball bearings and all are oil-cooled and lubricated.

SAFETY WARNINGS

WARNING: Risk of electric shock. Pumps with a single seal are supplied with a grounding conductor and grounding-type attachment plug on the power cord. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle. DO NOT cut off ground pin or use an adapter fitting. DO NOT use an extension cord with this pump. Entire plug may be cut off if a control panel is used. All double seal pumps, all duplex installations and all three phase pumps require a control box.

When wiring this pump follow all local electrical and safety codes and ordinances as well as the most recent National Electric Code (NEC-ANSI/NFPA 70).

All pumps have a GROUND WIRE that is connected to a screw in the metal motor housing. This wire goes to the receptacle or control box which must be connected to a good outside GROUND such as a metal water pipe or GROUND STAKE driven at least 8 feet into the ground.

UL AND CSA APPROVAL

All pumps have UL and CSA approval pending. Myers is a SSPMA certified pump member.

INSTALLATION

WARNING: Basin or tank must be vented in accordance with local plumbing codes. These pumps are not designed for and CANNOT be installed in locations classified as hazardous in accordance with the National Electric Code ANSI/NFPA 70.

CAUTION: Never enter pump chamber after sewage or effluent has been in basin. Sewage water can give off methane, hydrogen sulfide and other gasses which are highly poisonous.

For this reason, Myers recommends installing the ME series effluent pumps with a quick removal system. The quick removal system may be a union or Cam-lok coupling if the pipe or discharge hose is within reach from the surface, or a rail system type quick disconnect on deeper installations. See installation drawings for suggested installation.

The dosing tank or pumping chamber must be constructed of corrosion resistant materials and must be capable of withstanding all anticipated internal and external loads. It also must not allow infiltration or exfiltration. The tank must have provisions for anti-buoyancy. Access holes or covers must be of adequate size and be accessible from the surface to allow for installation and maintenance of the system. Access covers must be lockable or heavy enough to prevent easy access by unauthorized personnel. The pumping chamber holding capacity should be selected to allow for emergency conditions.

The discharge pipe must be the same size as the pump discharge (2 inches) or larger. In order to insure sufficient fluid velocity to prevent any residual solids from collecting in the discharge pipe, it is recommended that a minimum flow of 2 feet per second be maintained. (21 GPM through 2" pipe and 46 GPM through 3" pipe). It is recommended that PVC or equal pipe is used for corrosion resistance. A full flow (ball or gate) shut off valve must be installed to prevent back flow of effluent if the pump must be removed for service. A check valve must be installed on pressure sewer systems and on other systems where conditions allow to prevent backflow and to reduce wear on the pump system.

A high water alarm must be installed on a separate circuit from the pump circuit. The alarm should have the ability to be tested for proper operation.

SPECIAL INSTRUCTIONS FOR THREE PHASE PUMPS

- (1) F. E. Myers recommends three phase pumps to be installed by qualified personnel. **CAUTION: Risk of electric shock. Do not remove cord and strain relief. Do not connect conduit to pump.**
- (2) Three phase pumps are always installed with control boxes having magnetic starters with 3 leg overload protection. **DO NOT TRY TO RUN THREE PHASE PUMPS DIRECTLY ACROSS THE LINE.**
- (3) **To Connect Pump:** Run wire from pump to the bottom of control box or appropriate junction box suitable for enclosing splice connections. A hole must be cut into the control box for the wires. With power to control box off, connect green (ground) line to ground lug. Connect black (power) wires to power lead terminals. Note: for a typical CE style control box, these terminals are marked M1, M2 and M3. Make sure that all wires are inside control box and not in a position to be pinched or shorted

when the door is closed.

- (4) All three phase motors can run either direction. **ROTATION** can be changed by interchanging any two line leads at magnetic starter. **BE SURE CIRCUIT BREAKER IS OFF BEFORE MAKING THIS CHANGE.** To find if rotation is correct operate pumps and check delivery operation. If flow and head is low (refer to pump curves shown in this manual) the rotation is wrong. With duplex pumps check operation of both pumps.
- (5) All pump impellers either single or three phase must turn counterclockwise when looking into pump inlet. If uncertain of rotation, **TURN OFF POWER** and lift pump from basin with cord connected and lay pump on side so impeller can be seen. Turn on power and start pump using hand position of H-O-A switch. Turn on and off fast so that coast of impeller can be seen. **NEVER PUT HAND OR FINGERS ON THE IMPELLER.** Interchange any two line leads at the magnetic starter to change rotation.

POINTS TO CHECK IF PUMP DOES NOT RUN OR DOES NOT RUN PROPERLY

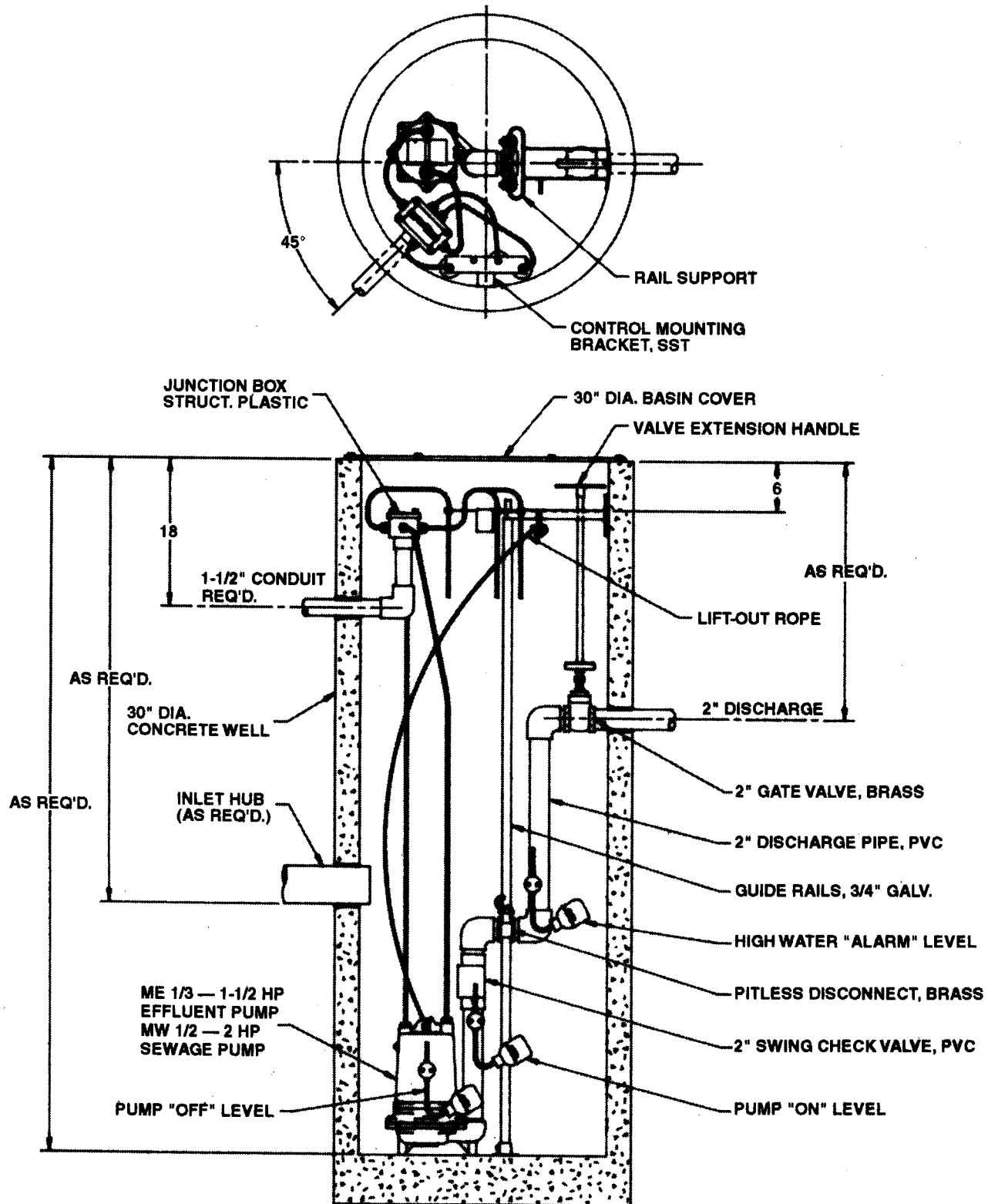
- (1) **Pump does not run or start when water is up in tank.**
 - (a) Check for blown fuse or tripped circuit breaker.
 - (b) Check for defective level switch.
 - (c) Where control panel is used be sure H-O-A switch is in the AUTO position. If it does not run, turn switch to the HAND position and if the pump runs then the trouble is in the automatic electrical system. Have an **ELECTRICIAN** make electrical checks.
 - (d) Check for burned out motor. Occasionally lightning can damage a motor even with lightning protection.
 - (e) Where plug-in cords are used be sure contact blades are clean and making good contact. **DO NOT USE PLUG-IN CORDS INSIDE A SUMP OR WET WELL.**
 - (f) Level control ball or weight may be stuck on side of basin. Be sure it floats freely.
- (2) **Pump runs but does not deliver flow.**
 - (a) Check air lock. Start and stop pump several times, if this does not help it may be necessary to loosen a union in the discharge line to relieve air lock.
 - (b) Check valve may be installed backwards. Check flow arrow on valve body. Check shut-off valve. It may be closed.
 - (c) Check vertical elevation. It may be higher than pump can develop. (See pump curve).
 - (d) Pump inlet may be plugged. Remove pump to check.

CAUTION: ALWAYS UNPLUG POWER CORDS OR TURN OFF ALL MAIN AND BRANCH CIRCUIT BREAKERS BEFORE DOING ANY WORK ON THE PUMP. If control panel is remote from pump, disconnect lead wires to motor so that no one can turn the circuit breaker back on. If motor is three phase mark the leads so they can be replaced in the same order.

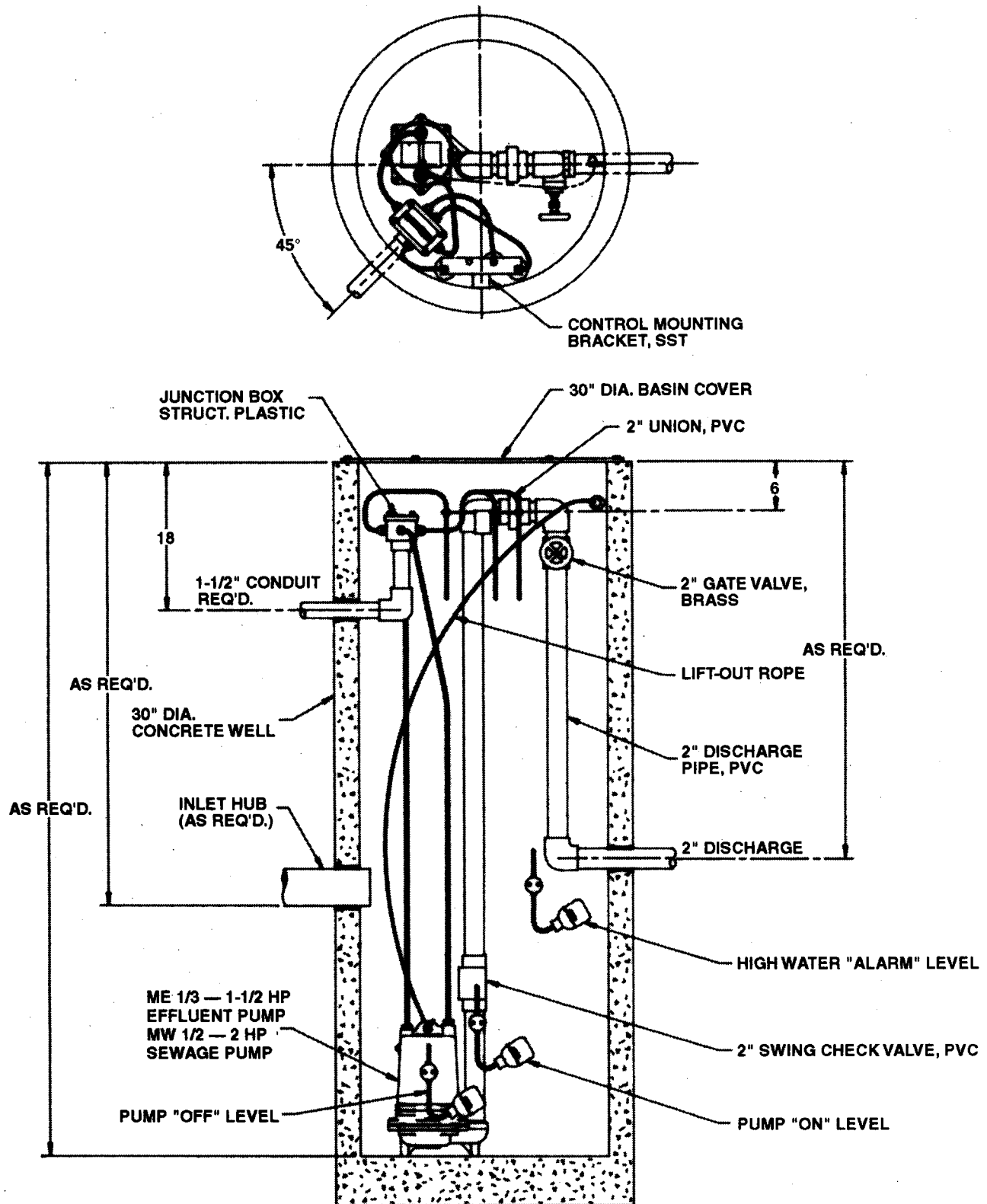
BEFORE DISMANTLING PUMP FOR REPLACEMENT OF PARTS

Clean pump thoroughly. Knock off all scale and deposits. Use sandblast if possible. Submerge complete unit in Clorox solution for one hour before taking apart.

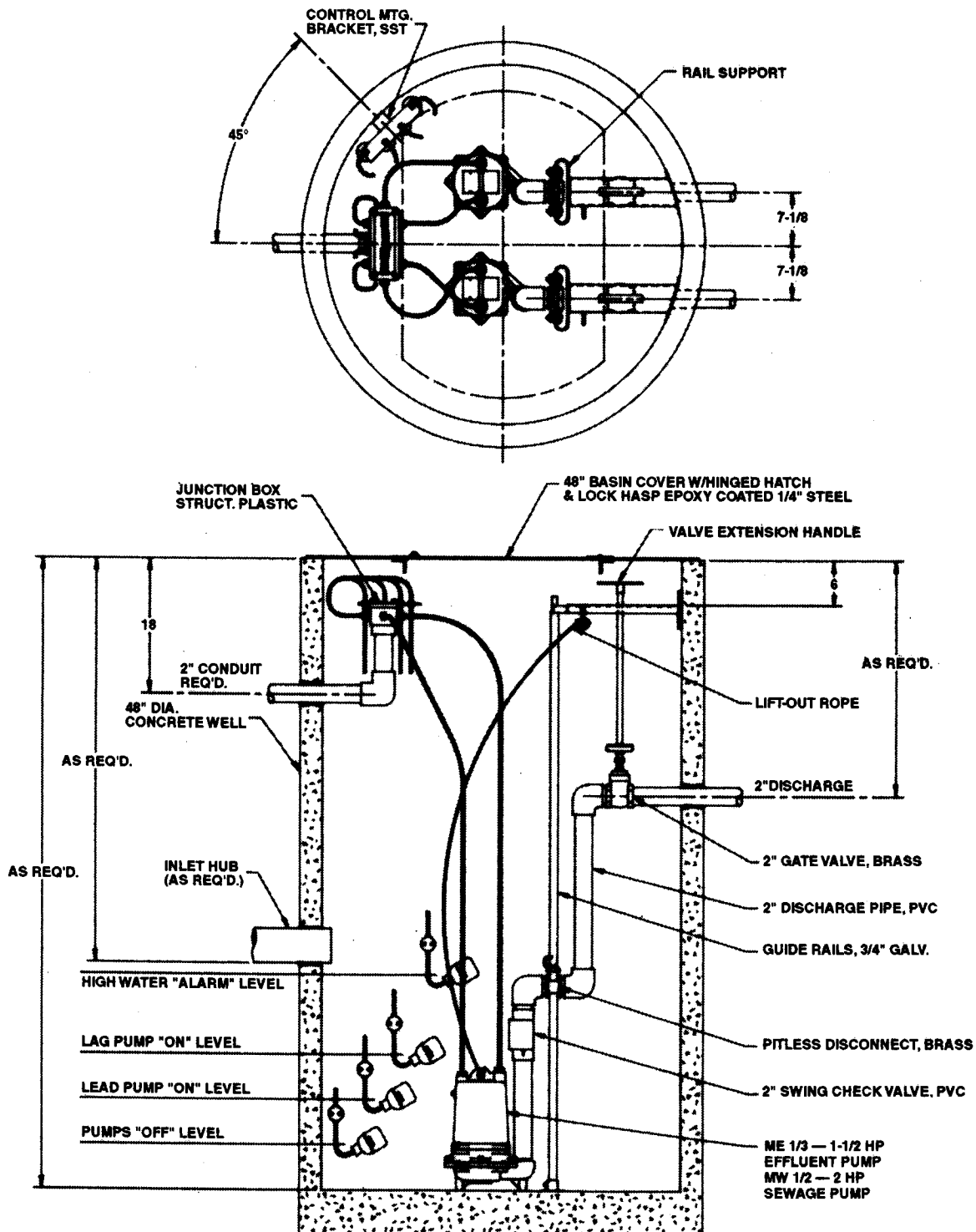
30" DIAMETER SIMPLEX ME/MW 1/3 - 2 HP



30" DIAMETER SIMPLEX UNION SYSTEM ME/MW 1/3 - 2 HP



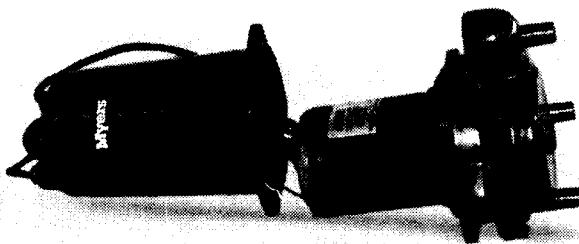
48" DIAMETER DUPLEX ME/MW 1/3 - 2 HP



TO REPLACE CAPACITORS ONLY

All of the single phase motors are of the permanent split capacitor type and have no relays or starting switch. They have only a starting capacitor that is in the circuit for both starting and running conditions.

- (1) Remove oil fill plug near the top of the motor and pour the oil out.
- (2) Loosen the plug nuts around the cords until they are loose enough to push the cords down inside of the motor housing.
- (3) Remove the four bolts from the motor housing and bump the housing with a plastic hammer to loosen. Lay the pump on its side.
- (4) Remove the housing carefully to be sure that enough cord is pushed into the housing to create no tension on the cords.
- (5) Slide motor housing up far enough to expose the capacitor and to be able to lay the housing down.



- (6) Disconnect wiring from capacitor and loosen capacitor clamp and slide out capacitor. Replace with new capacitor, tighten and re-connect. Wiring diagram is given in these instructions.
- (7) Check all wiring connectors to be sure they are secure.
- (8) Be sure tetraseal gasket is in place.
- (9) Slide motor housing back onto pump while pulling the cords out slowly. Assemble the motor housing with the four bolts.
- (10) Re-assemble cord nuts. Be sure washers are seated and cords are pulled up to stop against the washers. Tighten nuts securely.
- (11) Put pump upright and refill motor with Myers submersible motor oil. DO NOT OVER FILL WITH OIL. With pump upright fill oil to bottom of oil fill tapping. Replace oil fill plug.
- (12) Be sure pump turns freely before connecting to power. Turn pump on side and turn impeller, using screwdriver in slotted shaft. Plug pump into receptacle to test operation. Pump must run quiet and free of vibration.

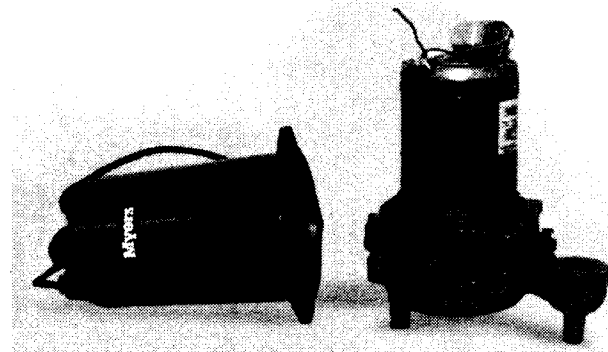
TO REPLACE POWER CORD AND/OR SEAL LEAK DETECTOR CORD

- (1) Remove motor housing as described above. Disconnect the push-together terminals and remove the ground screw from the power cord if being replace.

- (2) Completely unscrew cord bushing to be replaced and remove cord assembly from housing. Be sure remaining terminals are secure on the wires.
- (3) Replace with proper cord with fittings. Push cord into the motor housing far enough to make proper connections. Re-connect ground wire if replacing power cord and securely connect the wires correctly. See wiring diagram in these instructions.
- (4) Assemble cords and motor housing as described in "Capacitor Replacement". Fill with oil as noted and be sure pump turns freely before connecting to power.

TO REPLACE MOTOR STATOR AND SHELL

- (1) Remove motor housing as described above.
- (2) Disconnect all leads from power and seal leak cords and ground wire and set pump upright.
- (3) Loosen the four long screws holding the motor and remove slowly. If unit has seal leak probes be sure to feed the wires through the slots as the motor is being removed.
- (4) Either remove previous capacitor and clamp from old motor and assemble onto new stator and shell or replace with a new capacitor and assemble the two capacitor leads per wiring diagram.
- (5) Position bearing spring washer on top of upper ball bearing. (For 3/4 - 1-1/2 HP.)
- (6) Tighten terminal screws of seal leak probes and feed wires through the motor slots.

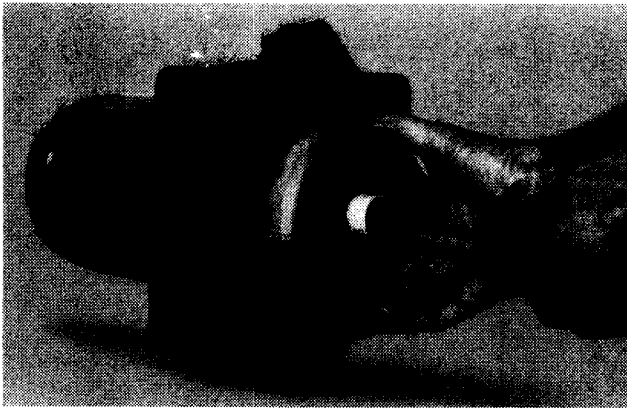


- (7) Position the "stator with shell" into place and line up screws with the bosses and tighten the (4) long screws. Extend probe wires out through the slots. Lay unit down in line with motor housing.
- (8) Be sure pump turns freely with screwdriver in impeller end of shaft.
- (9) Re-connect all terminals securely per wiring diagram.
- (10) Be sure tetraseal gasket is in place.
- (11) Reassemble motor housing and fill with oil as noted above in "capacitor replacement".

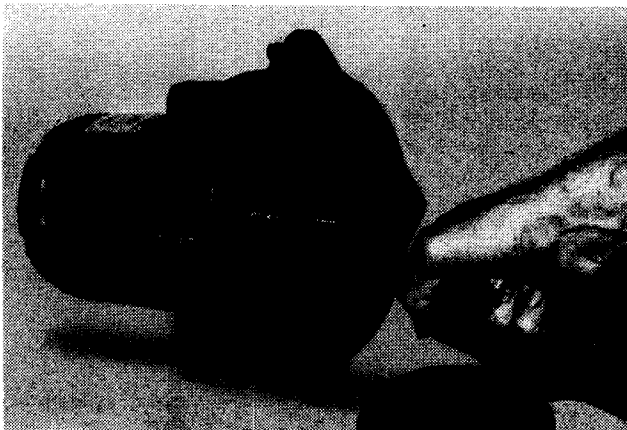
NOTE: On three phase motors always check unit for proper rotation. With pump on its side apply power by turning on, then off, quickly. Impeller must turn counterclockwise when looking into the impeller inlet. If not, interchange any two leads in the control box.

SHAFT SEAL REPLACEMENT

- (1) Remove plugs in motor housing and in seal housing (for double seal units) and drain oil.
- (2) Remove four bolts holding the volute case and bump with a plastic hammer to loosen and remove case.

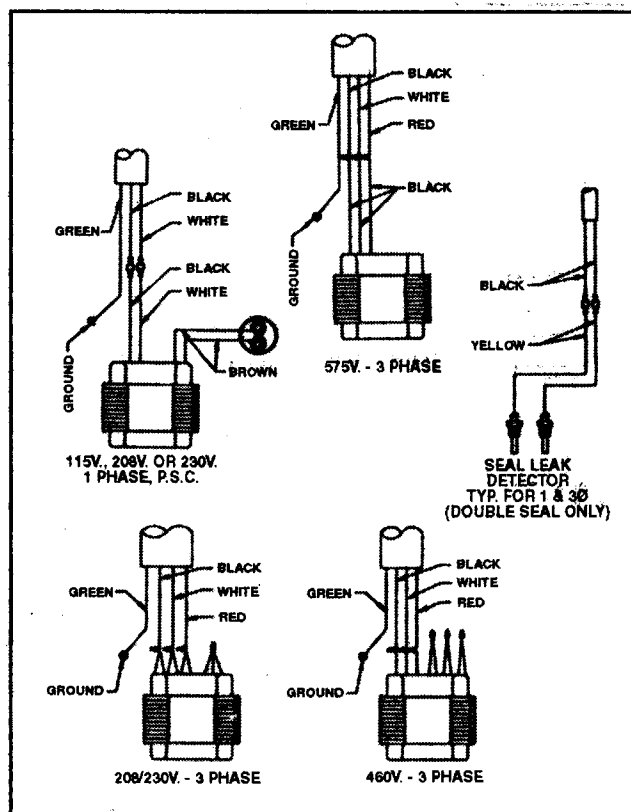


- (3) Hold impeller and unscrew impeller locking screw or jam nut. Turn counterclockwise to loosen.
- (4) Pry off seal bellows and ceramic seat. Break seats if necessary to get out since they must be replaced with new parts.
- (5) **NEVER USE OLD SEAL PARTS. USE ONLY COMPLETELY NEW SEALS.** (Do not use seal spring retainer plate on single seal pump or lower seal of double seal pump.)
- (6) For single seal pumps or if only replacing the lower seal of a double seal pump it is not necessary to disassemble further and on a double seal pump it is not necessary to drain oil out of the motor housing, just the seal housing.
- (7) On a double seal pump to remove the upper seal, remove four bolts holding the bottom plate and remove bottom plate.



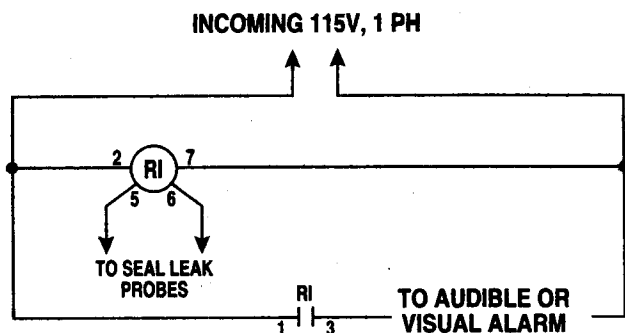
- (8) Remove snap ring with snap ring pliers. Pry off upper seal bellows and ceramic seat.
- (9) If no water has entered motor housing (check winding with ohmmeter or megger) wipe seal chambers thoroughly and replace seals. (Use seal retainer plate on upper seal only, do not use on lower seal.) Clean seal faces and use light oil on face before installing bellows part of seal.
- (10) Check HUVA cup seal in volute case inlet. If worn, replace.
- (11) Be sure tetraseal seal is in position (replace if worn) and reassemble.
- (12) Replace oil in motor housing and seal chamber. Use only Myers submersible oil.
- (13) Be sure pump turns freely before connecting to power. After connecting, check for proper rotation noted under "Stator Replacement".

WIRING DIAGRAM



3 PHASE DUAL VOLTAGE WINDING

VOLTAGE	LEADS			
	BLACK	WHITE	RED	TOGETHER
208 & 230	1 & 7	2 & 8	3 & 9	4 & 5 & 6
460	1	2	3	4 & 7, 5 & 8, 6 & 9



ME SERIES DIMENSIONS

Model Series	Inches (millimeters)			
	A	B	C	F
ME33S & ME50S	16.8 (427)	4.09 (104)	1.03 (26)	12.13 (308)
ME33D & ME50D	18.6 (472)	4.09 (104)	1.03 (26)	12.13 (308)
ME75S, ME100S, ME150S	16.8 (427)	4.0 (102)	1.06 (27)	12.5 (318)
ME75D, ME100D, ME150D	18.6 (472)	4.0 (102)	1.06 (27)	12.5 (318)

MOISTURE SENSOR SEAL PROBE CIRCUIT

Relay - SSAC Inc. #LLC44A5A

Socket - Standard 8-pin plug-in type

If Myers panel is used, see below.

Pumps: ME33D-11,
ME50D-11,
ME75D-11

Required Panel:

CMEP (SL)-11S, -11SW, -11D or -11DW

Pumps: ME33D-01, ME33D-21,
ME50D-01, ME50D-21,
ME75D-01, ME75D-21,
ME100D-01, ME100D-21,
ME150D-01, ME150D-21,
MWH50D-01, MWH50D-21,
MW100D-01, MW100D-21,
MW150D-01, MW150D-21,
MW200D-01, MW200D-21

Required Panel:

CMEP(SL)-21S, -21SW, -21D or -21DW

Pumps: ME33D-03, ME33D-23,
ME50D-03, ME50D-23,
ME75D-03, ME75D-23,
ME100D-03, ME100D-23,
ME150D-03, ME150D-23,
MWH50D-03, MWH50D-23,
MW100D-03, MW100D-23,
MW150D-03, MW150D-23,
MW200D-03, MW200D-23

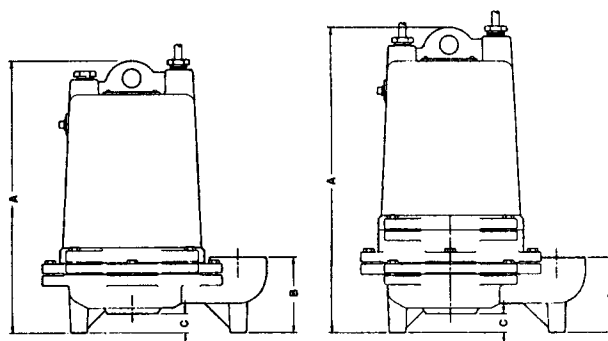
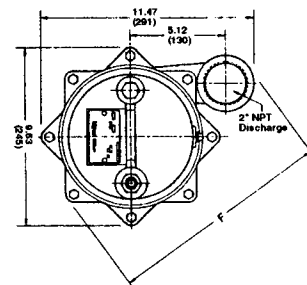
Required Panel:

CMEP(SL)-23S, -23SW, -23D or -23DW

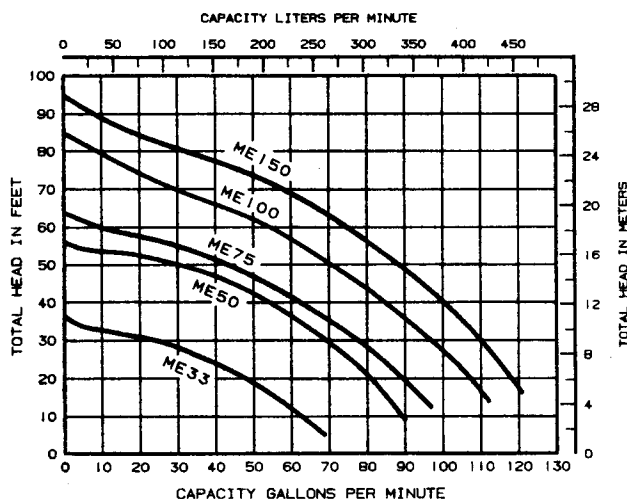
Pumps: ME33D-43,
ME50D-43,
ME75D-43,
ME100D-43,
ME150D-43,
MWH50D-43,
MW100D-43,
MW150D-43,
MW200D-43

Required Panel:

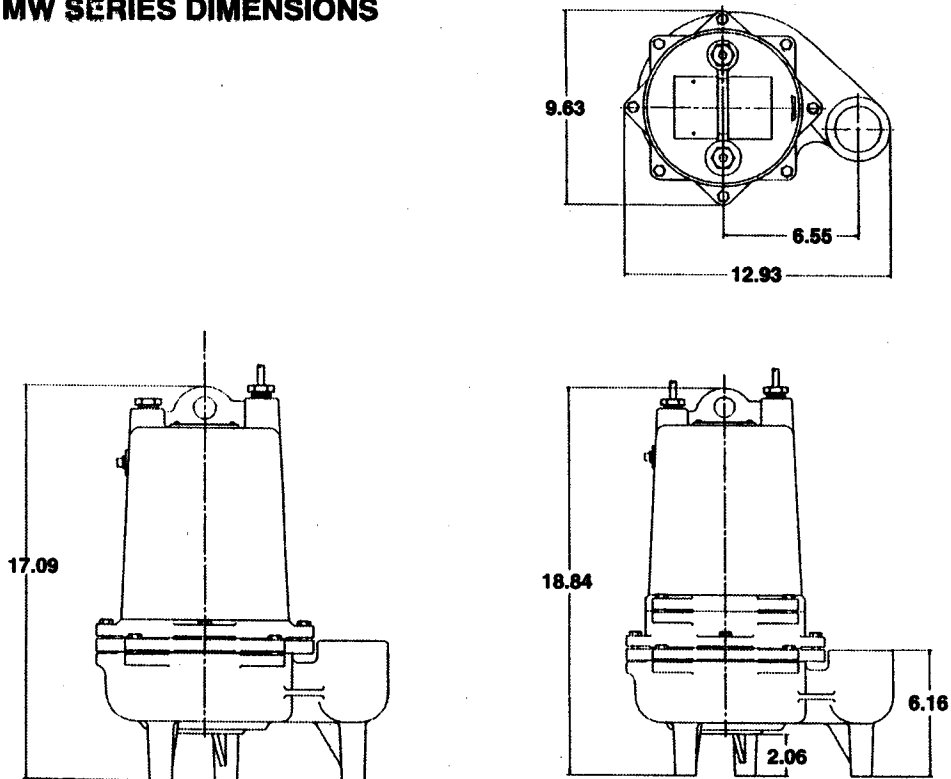
CMEP(SL)-43S, -43SW, -43D or -43DW



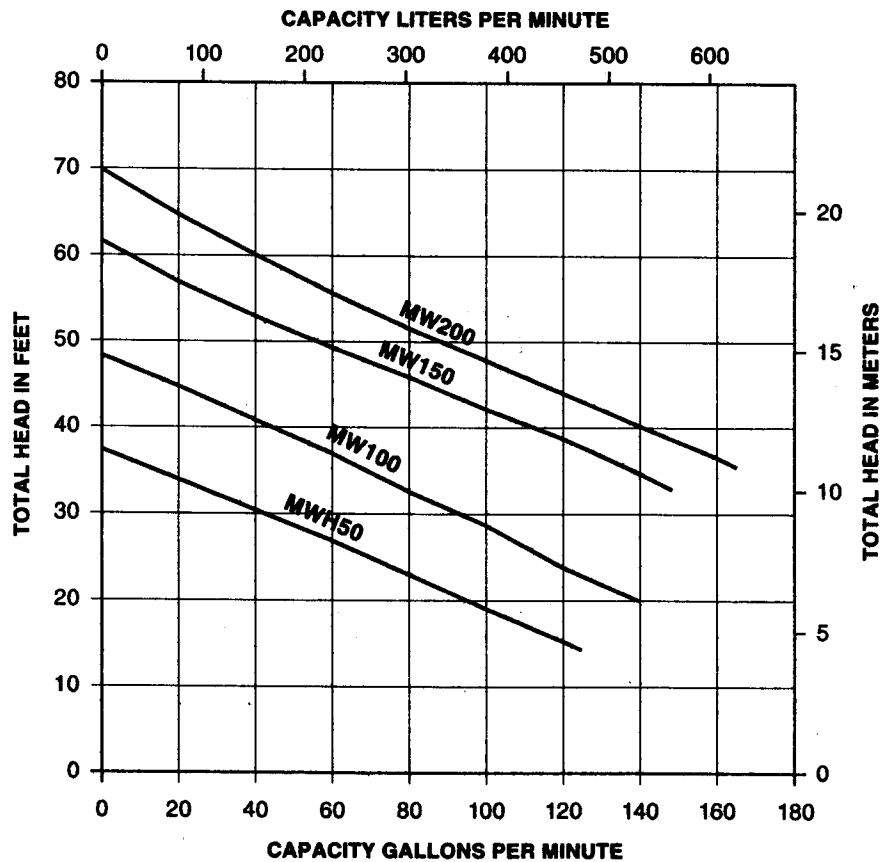
ME PERFORMANCE CURVE



MW SERIES DIMENSIONS



MW PERFORMANCE CURVE



MOTOR DATA CHART

H.P.	SPEED	VOLTS	PHASE	STACK HEIGHT	WINDING RESISTANCE IN OHMS			MAX. AMPS	LOCKED ROTOR AMPS
					MAIN BLACK TO WHITE	START - 1Ø BRN. TO BRN. OR PURPLE	WHITE TO RED		
						BLACK TO RED - 3Ø			
ME SERIES									
1/3	3450	115	1	1-1/4	2.4	20.5	-	8.4	13.5
1/3	3450	208/230	1	1-1/4	11.4	7.0	-	4.7/4.2	6.7
1/3	3450	208/230	3	1-1/4	15.8	15.8	15.8	2.4/2.2	10.8
1/3	3450	460	3	1-1/4	63.2	63.2	63.2	1.1	5.4
1/3	3450	575	3	1-1/4	98.8	98.8	98.8	0.9	4.3
1/2	3450	115	1	1-5/8	9.8	14.7	-	12.1	29.6
1/2	3450	208	1	1-5/8	11.3	11.3	-	6.7	16.5
1/2	3450	230	1	1-5/8	9.8	19.7	-	6.0	15.0
1/2	3450	208/230	3	1-5/8	11.3	11.3	11.3	3.5/3.2	12.8
1/2	3450	460	3	1-5/8	45.4	45.4	45.4	1.6	6.4
1/2	3450	575	3	1-5/8	71.0	71.0	71.0	1.3	5.1
3/4	3450	115	1	2-1/4	4.5	4.9	-	13.8	30.4
3/4	3450	208/230	1	2-1/4	4.5	12.0	-	7.6/6.9	16.2
3/4	3450	208/230	3	2	7.6	7.6	7.6	5.2/4.7	20.2
3/4	3450	460	3	2	30.1	30.1	30.1	2.3	10.1
3/4	3450	575	3	2	47.0	47.0	47.0	1.9	8.1
1	3450	208	1	2-3/4	3.0/2.6	16/14	-	10.3	21.0
1	3450	230	1	2-3/4	5.3	5.3	-	9.3	19.0
1	3450	208/230	3	2-1/2	21.2	21.2	5.3	6.6/6.0	29.0
1	3450	460	3	2-1/2	33.1	33.1	21.2	3.0	14.5
1	3450	575	3	2-1/2	33.1	33.1	33.1	2.4	11.6
1-1/2	3450	208	1	2-3/4	2.4	12.0	-	14.1	23.0
1-1/2	3450	230	1	2-3/4	4.5	4.5	-	12.8	30.0
1-1/2	3450	208/230	3	2-3/4	16.0	16.0	4.5	8.8/8.0	15.0
1-1/2	3450	460	3	2-3/4	25.0	25.0	16.0	4.0	12.0
1-1/2	3450	575	3	2-3/4	25.0	25.0	25.0	3.2	12.0
MW SERIES									
1/2	3450	208	1	2-1/4	4.5	12.0	-	7.6	16.2
1/2	3450	230	1	2-1/4	4.5	12.0	-	6.9	16.2
1/2	3450	208	3	2	7.6	7.6	7.6	5.2	20.2
1/2	3450	230	3	2	7.6	7.6	7.6	4.7	20.2
1/2	3450	460	3	2	30.1	30.1	30.1	2.3	10.1
1/2	3450	575	3	2	47.0	47.0	47.0	1.9	8.1
1	3450	208	1	2-3/4	2.2	11.5	-	10.3	21.0
1	3450	230	1	2-3/4	2.8	15.0	-	9.3	19.0
1	3450	208	3	2-1/2	5.3	5.3	5.3	6.6	29.0
1	3450	230	3	2-1/2	5.3	5.3	5.3	6.0	29.0
1	3450	460	3	2-1/2	21.2	21.2	21.2	3.0	14.5
1	3450	575	3	2-1/2	33.1	33.1	33.1	2.4	11.6
1-1/2	3450	208	1	2-3/4	2.1	9.3	-	14.8	39.9
1-1/2	3450	230	1	2-3/4	1.6	7.4	-	12.8	33.4
1-1/2	3450	208	3	2-3/4	4.5	4.5	4.5	7.7	30.0
1-1/2	3450	230	3	2-3/4	4.5	4.5	4.5	7.0	30.0
1-1/2	3450	460	3	2-3/4	18.0	18.0	18.0	3.5	15.0
1-1/2	3450	575	3	2-3/4	28.0	28.0	28.0	2.8	12.0
2	3450	208	1	2-3/4	2.1	9.3	-	15.3	39.9
2	3450	230	1	2-3/4	1.6	7.4	-	13.1	33.4
2	3450	208	3	2-3/4	4.5	4.5	4.5	8.5	30.0
2	3450	230	3	2-3/4	4.5	4.5	4.5	7.7	30.0
2	3450	460	3	2-3/4	18.0	18.0	18.0	3.9	15.0
2	3450	575	3	2-3/4	28.0	28.0	28.0	3.1	12.0

MYERS LIMITED WARRANTY GRINDERS, NON-CLOG SEWAGE and WASTEWATER PUMPS

F. E. MYERS warrants that its products are free from defects in material and workmanship for a period of twelve (12) months from the date of purchase or eighteen (18) months from the date of manufacture.

During the warranty period and subject to the conditions hereinafter set forth, **MYERS**, will repair or replace to the original user or consumer parts which prove defective due to defective materials or workmanship of **MYERS**. Contact your nearest authorized **MYERS** distributor or **MYERS** for warranty service. At all times, **MYERS** shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts or components..

Start up reports and electrical system schematics may be required to support warranty claims. Warranty effective only if **MYERS** supplied or authorized control panels are used.

LABOR, ETC. COSTS: **MYERS** shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or reaffixing any **MYERS** product, part or component thereof.

THIS WARRANTY WILL NOT APPLY: (a) to defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; or (e) if the unit is moved from its original installation location and (f) unit is used for purposes other than for what it was designed and manufactured.

RETURN OR REPLACED COMPONENTS: any item to be replaced under this Warranty must be returned to **MYERS** in Ashland, Ohio, or such other place as **MYERS** may designate, freight prepaid.

PRODUCT IMPROVEMENTS: **MYERS** reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such a change or improvement.

WARRANTY EXCLUSIONS: **MYERS** MAKES NO EXPRESS OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. **MYERS** SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

Some states do not permit some or all of the above warranty limitations and, therefore, such limitations may not apply to you. No warranties or representations at any time made by any representatives of Myers shall vary or expand the provision hereof.

LIABILITY LIMITATION: IN NO EVENT SHALL **MYERS** BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY **MYERS** PRODUCT OR PARTS THEREOF. PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY RESULT FROM IMPROPER INSTALLATION. **MYERS** DISCLAIMS ALL LIABILITY, INCLUDING LIABILITY UNDER THIS WARRANTY, FOR IMPROPER INSTALLATION -- **MYERS** RECOMMENDS INSTALLATION BY PROFESSIONALS.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

In the absence of suitable proof of this purchase date, the effective date of this warranty will be based upon the date of manufacture.

Myers

F. E. Myers, 1101 Myers Parkway, Ashland, Ohio 44805-1969
419/289-1144, FAX: 419/289-6658, TLX: 98-7443