

PROPRIETARY
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TERMINAL COVER ITEM 10 OMITTED FROM THIS VIEW

TO LIFT ELECTROMAGNET
1. REMOVE POLE CLAMP SCREWS [ITEM 4] ON DWG: 11907-0030-0.
2. INSTALL LIFTING EYEBOLT AND WASHER ITEM 39 & ITEM 41.
3. AFTER LIFTING OPERATIONS ARE COMPLETE REINSTALL POLE CLAMP SCREWS.

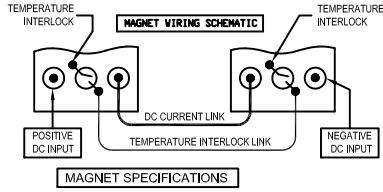
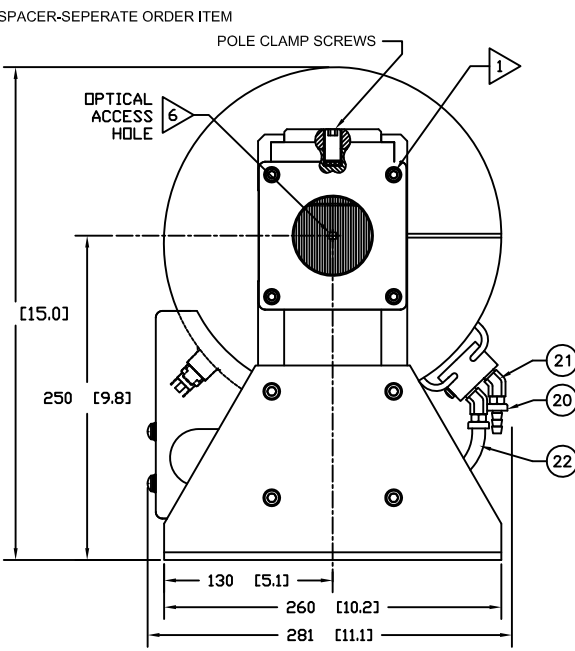
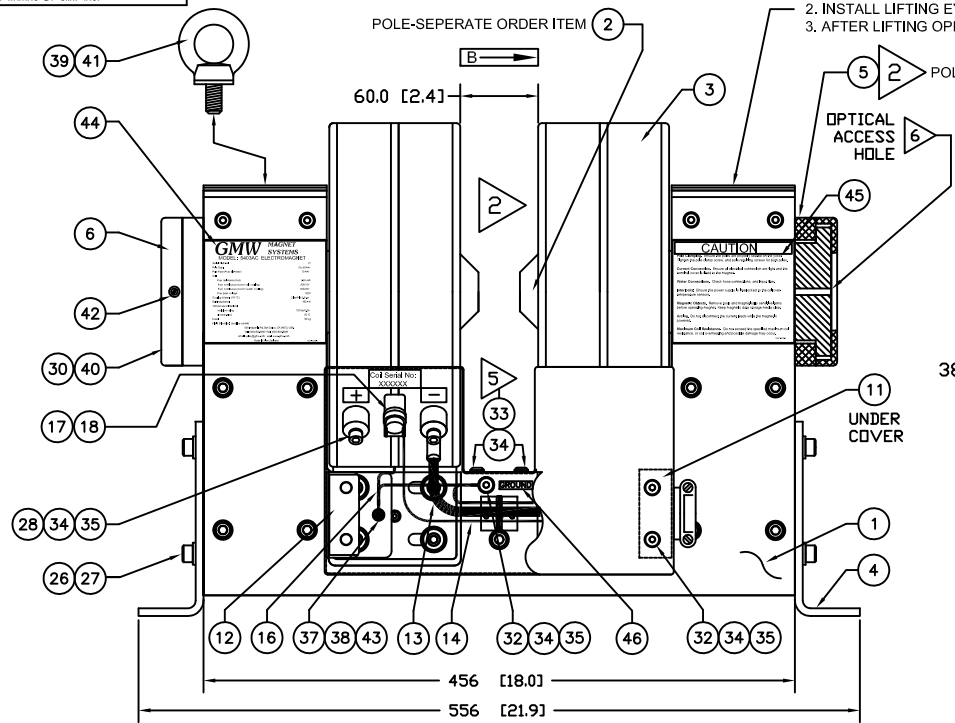
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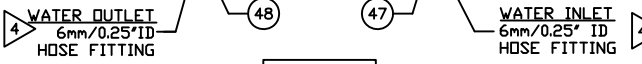
POLE GAP: 0-60mm [0-2.5"]
POLE FACE: TAPERED Ø60 mm [2.4"], TAPERED Ø30 mm [1.2"], Ø10 mm [0.4"]

COILS [series connected]
MAX RESISTANCE 0.55 Ohm
MAX CONTINUOUS POWER [air] 20A / 10V / 0.2kW
MAX CONTINUOUS POWER [water] 50A / 25V / 1.25kW
PEAK POWER [air] 40A/20V [0.8 kW] [4 minute max on 30% duty cycle]
PEAK POWER [water] 75A/40V [3.0 kW] [10 minute max on 50% duty cycle]
MAX PEAK VOLTAGE 500V
THERMAL INTERLOCK (safe) CLOSED CIRCUIT, BELOW 65° C [149° F]
SELF INDUCTANCE: 120Vac/0.5A RESISTIVE 220 mH

COOLING WATER (18° C): 2 l/min [0.6 GPM] @ 1 BAR [15 PSID]
MAX ABSOLUTE PRESSURE: 10 BAR [150 PSI]
MASS: 125 kg [275 lbs]

NOTE: DO NOT EXCEED THE MAXIMUM SPECIFIED COIL RESISTANCE OR COIL OVERHEATING AND POSSIBLE DAMAGE MAY OCCUR.

- NOTE
- ③ RH SIDE CABLE ENTRY SHOWN. LH ENTRY OPTIONAL.
 - ④ AFTER FINAL TEST BLOW OUT WATER LINES, AND FIT PLASTIC SEALING CAP [ITEM 23] ONTO HOSE FITTINGS.
 - ⑤ ITEM 32 AND ITEM 33 USED FOR POLE MOUNT.
 - ⑥ OPTICAL ACCESS HOLE IS 5x5mm SQUARE. ACCESS PROVIDED THRU TO 15mm OF POLE FACE.



BOTTOM VIEW

REVISIONS				
REV	DESCRIPTION	DRAFT	DATE	APPROVED
A	RELEASE		07/04/06	G.DOUGLAS
B	ADD NOTE 6, CHANGE ITEM 32		12/01/11	G.DOUGLAS
C	REVISE SPECIFICATIONS & NOTES, CHG ITEM 17 & 18		12/18/12	G.DOUGLAS
D	CHG ITEM 21 TO FORGED ELBOW ADD MAX WATER PRESSURE		09/02/14	G.DOUGLAS

NOTE

- ① POLE MOUNTING SCREWS SHOULD BE 20mm LONGER THAN SPACER THICKNESS. FOR 30mm THICK SPACER MOUNTING SCREW SHOULD BE 50mm LONG.
- ② POLE GAP FIXED BY POLE SPACERS [ITEM 5] MIN GAP 0.0mm MAXIMUM GAP 60mm. SUFFIX ON MAGNET DWG NO REFERS TO POLE GAP. 11907-0028-0-50 = 50mm POLE GAP.

ITEM	QTY	PART NUMBER	DESCRIPTION	NOTE
48	1	10900880	LABEL, MANIFOLD [LH Side]	
47	1	10900890	LABEL, MANIFOLD [RH Side]	
46	1	10900720	LABEL, GROUND [Fitted under Cover]	
45	1	10907-0029-0	LABEL, CAUTION [RH Side]	
44	1	10907-0028-0	LABEL, SPECIFICATION [LH side]	
43	2	DIN 934	HEX NUT, M4 S/S	
42	4	SBM8	BALL PLUNGER, M8 VLIER	
41	2	DIN 580	EYEBOLT, M12 [Large Ring ID]	
40	8	DIN 6797	WASHER, M6 EXTERNAL LOCK	
39	2	DIN 125 A	WASHER, M12 FLAT x 2.5 Thick S/S	
38	12	BN 737	WASHER, M4 X 8 X 0.5 FLAT S/S	
37	12	DIN 6797	WASHER, M4 X 0.7 INT LOCK, S/S	
36	10	DIN 7985A	SCREW, M4 X 8 PAN S/S	
35	25	DIN 1780	WASHER, M6 X 1.6 SPRING LOCK, S/S	
34	13	BN 737	WASHER, M6 X 16 X 1.6 FLAT S/S	5
33	4	ISO 7380 10.9	M6 X 25 SHCS BUTTON HD S/S	5
32	5	ISO 7380 10.9	M6 X 12 SHCS BUTTON HD S/S	
31	4	DIN 912	SHCS, M4 X 12 S/S	
30	8	DIN 912	SHCS, M6 X 35 S/S [See note 1 & 2]	
29	16	DIN 912	SHCS, M6 X 30 S/S	
28	4	DIN 912	SHCS, M6 X 12 S/S	
27	8	BN 737	WASHER, M8 X 15 X 1.6 FLAT S/S	
26	8	DIN 912	SHCS, M8 X 20 S/S	
25	2		CABLE TIE 5mm WIDE T & B	
24	2	MB4A	MOUNTING PAD TYTON	
23	2	SC0070	PLASTIC SEALING CAPS, 7.9 ID, KELVINDALE	
22	A/R	PB-4-BK	HOSE, 1/4" ID RUBBER [Black] SWAGelok	
21	4	1/8 CD45-B	ELBOW, FORGED 45°, 1/8" NPT PARKER	
20	4	30182-2-4B	HOSE COUPLING 6.0/HOSE 1/8 NPT PARKER	
19	1	3304	CABLE CLAMP 1" T & B	
18	2	154125-667	WASHER, NEOPRENE METRO GASKET	
17	2	QA-150-ST-G	THERMAL SWITCH, 65° C SELCO	
16	1	16907-0002-0	CABLE [TERMINAL COVER GROUND]	
15	2	16907-0001-0	CABLE [COIL GROUND]	
14	1	16900610	CABLE [INTERLOCK]	
13	1	16900600	CABLE [HIGH CURRENT]	
12	1	17907-0084-2	TERMINAL COVER BRACKET [Without Hole]	
11	1	17907-0084-1	TERMINAL COVER BRACKET [With Hole]	
10	1	11907-0035-0	TERMINAL COVER ASSEMBLY [with label fitted]	
9	16	17907-0082-0	COIL MOUNT WASHER	
8	16	17907-0081-0	COIL INSULATOR BUSH	
7	4	17907-0080-0	COIL INSULATOR PAD	
6	2	17907-0078-0	POLE RETAINER	
5	2	17907-0077-0	POLE SPACER [16mm Spacer Shown]	
4	2	17907-0093-0	ANGLE BRACKET	
3	2	11901110	COIL ASSEMBLY	
2	2	11907-0032-0	POLE ASSEMBLY [Ø30mm Pole Face Shown]	
1	1	11907-0029-0	MAGNET YOKE ASSEMBLY	

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