

MAGNATEX® MAXP Series

The MAXP Series of pumps has been designed to conform to ANSI B73.3 dimensional standards. The pumps are extremely rugged which makes them ideal for rigorous duty in the chemical and petrochemical industries.

Magnetex MAXP pumps have the following design features:

- Straddle mounted inner magnet system with bearings on both sides of the magnet, this design reduces shaft and bearing loads when compared to our competitors' overhung, cantilevered, inner magnet designs
- Slip fit construction which allows easy on-site maintenance with no special tools or fixtures required
- Large internal flow paths which means the pumps can easily handle 1% solids @ 500μ and up to 8% solids @ 100μ. Optional baffle-plated rear casing enables enhanced solids handling capability. Optional proprietary self cleaning strainer technology enables us to handle even higher solids percentages if necessary
- No expensive mechanical seals; eliminates costly shut downs and repairs which helps eliminate "Reportable Release" issues
- Safely handles toxic, noxious, corrosive or high temperature liquids with increased safety to personnel and the environment
- Special high temperature construction is available to handle up to 800°F
- Several dual containment systems are available which virtually eliminates any leakage to the environment when handling extremely hazardous chemicals

MAGNATEX® MAXP Series Specifications

Maximum Flow.....	2000 GPM
Maximum Head.....	470 FT
Liquid Temp.....	-150°F – 800°F
Maximum Power.....	up to 200 HP
Connections.....	150lb RF std. or optional 300lb RF ANSI Flanges
Bearings.....	SiC, SiC-X optional for upset or Dry-run Conditions
Maximum Working Pressure (standard)	285 psig
Impeller.....	Enclosed
Speeds.....	up to 3550 rpm
Magnets.....	Neodymium or Samarium Cobalt for High Temp
Motor.....	NEMA or IEC Frame
Secondary Containment	Optional
Steam Jackets.....	Optional
External Flush, Re-circulated Flush & Vent.....	Optional
Vortex Breakers.....	Optional for Improved Solids Handling
Centerline mounted.....	Optional

Materials of Construction:

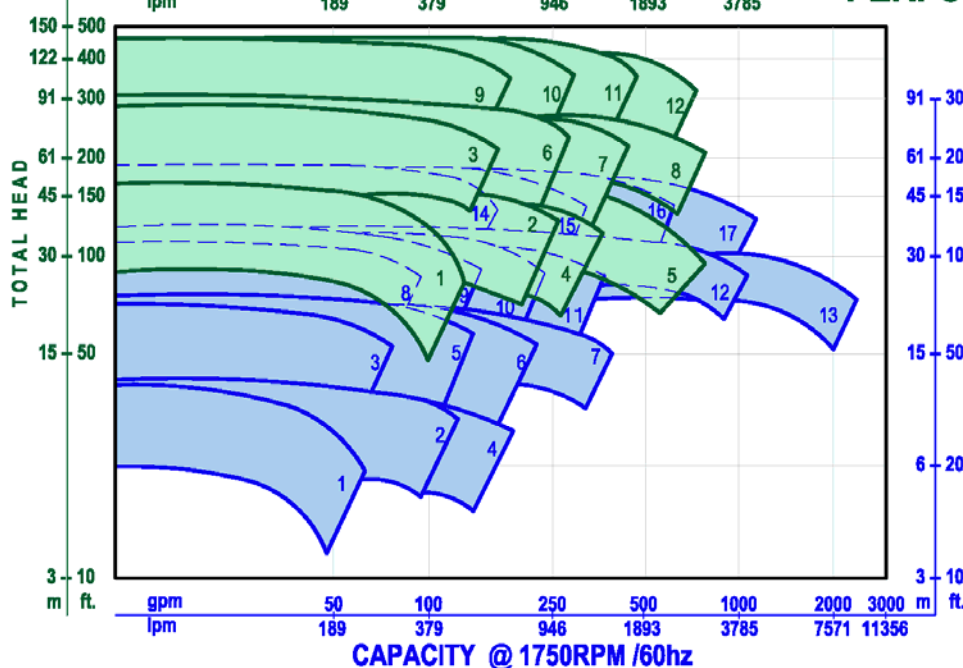
- | | | |
|---------|---------------|------------|
| • 316SS | • Alloy 20 | • Monel |
| • 304SS | • Alloy B & C | • Titanium |

CAPACITY @ 3550RPM / 60hz

MAXP SERIES COMPOSITE PERFORMANCE CURVES

@ 3550RPM 60hz

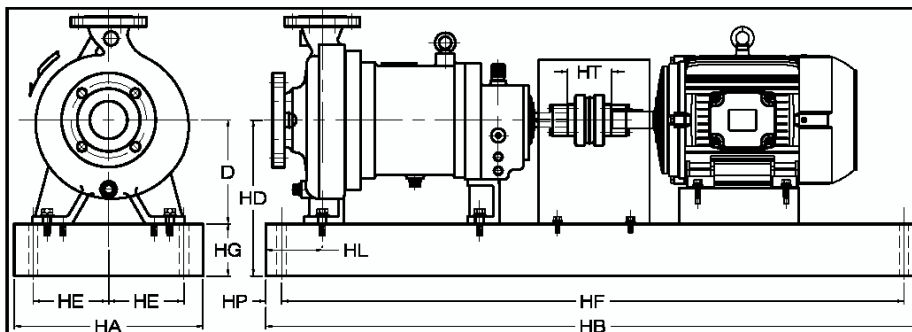
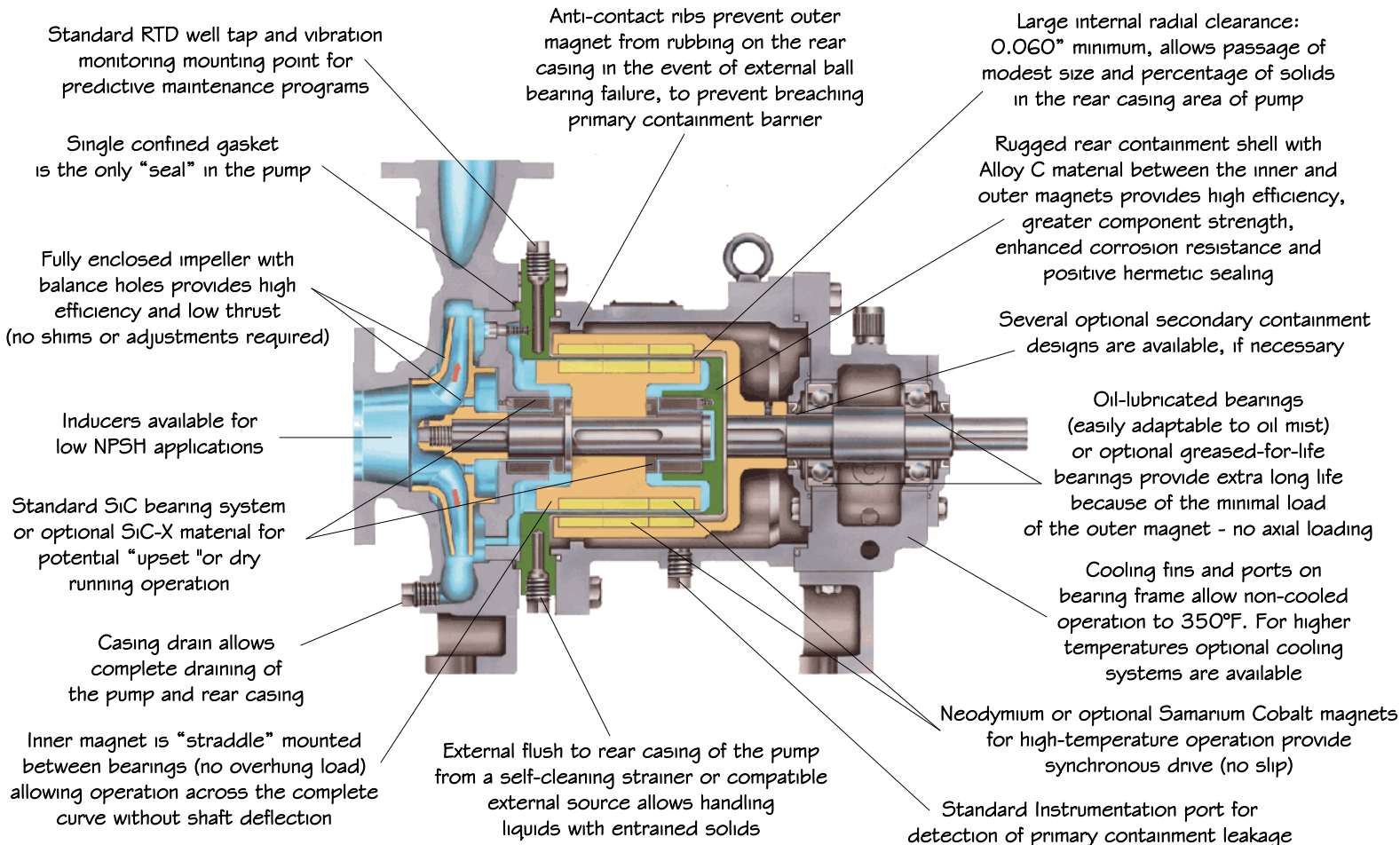
- | | | |
|----|--------|----------|
| 1 | AA6 | 1x1.5-6 |
| 2 | AB6 | 1.5x3-6 |
| 3 | AA8 | 1x1.5-8 |
| 4 | A10-6 | 2x3-6 |
| 5 | A70-6 | 3x4-6 |
| 6 | A50-8 | 1.5x3-8 |
| 7 | A60-8 | 2x3-8 |
| 8 | A70-8 | 3x4-8 |
| 9 | A05-10 | 1x2-10 |
| 10 | A50-10 | 1.5x3-10 |
| 11 | A60-10 | 2x3-10 |
| 12 | A70-10 | 3x4-10 |



@1750RPM 60hz

- | | | |
|----|--------|----------|
| 1 | AA6 | 1x1.5-6 |
| 2 | AB6 | 1.5x3-6 |
| 3 | AA8 | 1x1.5-8 |
| 4 | A10-8 | 2x3-8 |
| 5 | A50-8 | 1.5x3-8 |
| 6 | A60-8 | 2x3-8 |
| 7 | A70-8 | 3x4-8 |
| 8 | A05-10 | 1x2-10 |
| 9 | A50-10 | 1.5x3-10 |
| 10 | A60-10 | 2x3-10 |
| 11 | A70-10 | 3x4-10 |
| 12 | A75-10 | 4x6-10 |
| 13 | A85-10 | 6x8-10 |
| 14 | A20-13 | 1.5x3-13 |
| 15 | A30-13 | 2x3-13 |
| 16 | A40-13 | 3x4-13 |
| 17 | A80-13 | 4x6-13 |

Anatomy of the Ultimate Magnetic Drive Pump



CONDUIT BOX SHOWN FOR ILLUSTRATION ONLY
REQUIRED LOCATION MUST BE SPECIFIED

MAGNATEX[®]
Pumps, Inc.

DIMENSIONAL DRAWING
MAXP SERIES ANSI PUMP

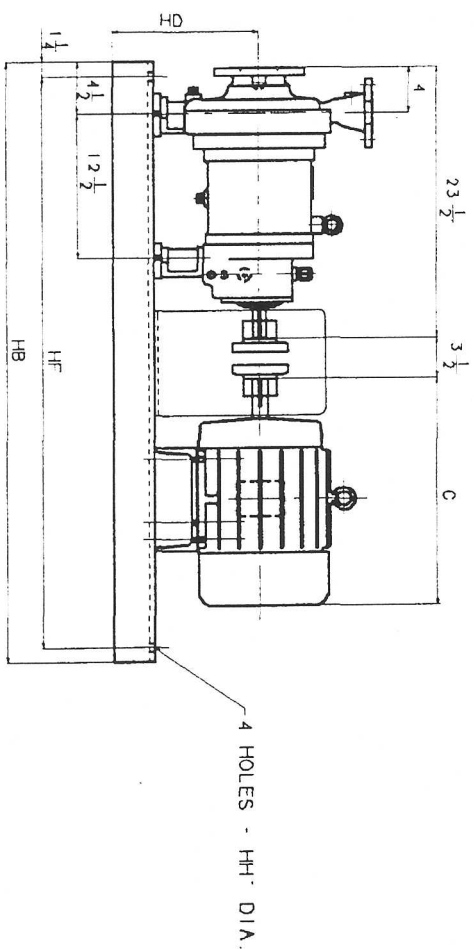
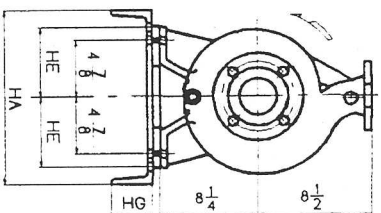
DRAWN BY: **B VALENTIN** DATE: **08/06/10** SCALE: **NTS** PAGE: **1 OF 1**

DD-MAXP SERIES

NOT FOR CONSTRUCTION

MAGNATEX MAXP SERIES ANSI BASEPLATE DIMENSIONS

NEMA Frame	Baseplate No.	HA MAX.	HB	HT	HD MAX.				HE	HF	HG MAX.	HH	HL	HP
					D=5.25 [133]	D=8.25 [210]	D=10 [254]	D=14.5 [368]						
184T	139	15 [381]	39 [991]	3.5 [89]	9 [229]	....	....	....	4.5 [114]	36.5 [927]	3.75 [95]	0.75 [19]	4.5 [114]	1.25 [32]
256T	148	18 [457]	48 [1219]	3.5 [89]	10.5 [267]	....	....	....	6 [152]	45.5 [1156]	4.13 [105]	0.75 [19]	4.5 [114]	1.25 [32]
326TS	153	21 [533]	53 [1346]	3.5 [89]	12.88 [327]	....	....	....	7.5 [191]	50.5 [1283]	4.75 [121]	0.75 [19]	4.5 [114]	1.25 [32]
184T	245	15 [381]	45 [1143]	3.5 [89]	....	12 [305]	13.75 [349]	....	4.5 [114]	42.5 [1080]	3.75 [95]	0.75 [19]	4.5 [114]	1.25 [32]
215T	252	18 [457]	52 [1321]	3.5 [89]	....	12.38 [314]	14.13 [359]	....	6 [152]	49.5 [1257]	4.13 [105]	0.75 [19]	4.5 [114]	1.25 [32]
286T	258	21 [533]	58 [1473]	3.5 [89]	....	13 [330]	14.75 [375]	....	7.5 [191]	55.5 [1410]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
365T	264	21 [533]	64 [1626]	3.5 [89]	....	13.88 [353]	14.75 [375]	....	7.5 [191]	61.5 [1562]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
405TS	268	26 [660]	68 [1727]	3.5 [89]	....	14.88 [378]	14.88 [378]	....	9.5 [241]	65.5 [1664]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
449TS	280	26 [660]	80 [2032]	3.5 [89]	....	15.88 [403]	15.88 [403]	....	9.5 [241]	77.5 [1969]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
286T	368	26 [660]	68 [1727]	5 [127]	....	....	....	19.25 [489]	9.5 [241]	65.5 [1664]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
405T	380	26 [660]	80 [2032]	5 [127]	....	....	....	19.25 [489]	9.5 [241]	77.5 [1096]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]
449T	398	26 [660]	98 [2489]	5 [127]	....	....	....	19.25 [489]	9.5 [241]	95.5 [2426]	4.75 [121]	1 [25]	4.5 [114]	1.25 [32]

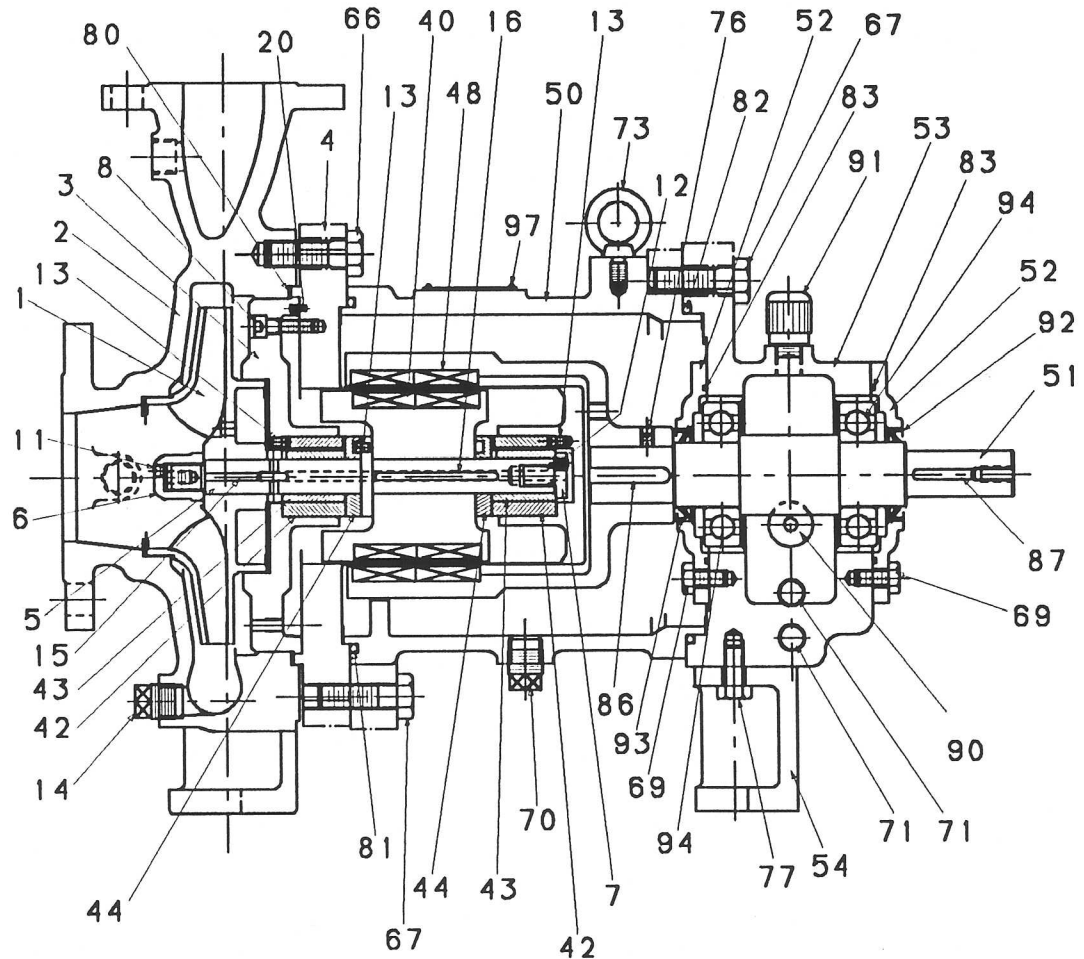


MODEL	SIZE	BASE NO.	NEMA MOTOR FRAMES	C	HB	HF	HA	HE	HD	HG (MAX)	HH	APPROX. WEIGHT PUMP BASE
A50-10-S25	3x1 1/2 x10	245	182T, 184T	16 1/8	45	42 1/2	12	4 1/2	12	3 3/4	3/4	190
A50-10-S40	3x1 1/2 x10	252	213T	19 3/4	52	49 1/2	15	6	12 3/8	4 1/8	3/4	275
A50-10-S65	3x1 1/2 x10	252	215T	19 3/4	52	49 1/2	15	6	12 3/8	4 1/8	3/4	275
A50-10-S65	3x1 1/2 x10	258	254T	24 7/8	58	55 1/2	18	7 1/2	13	4 3/4	1	320
A50-10-S80	3x1 1/2 x10	258	256T	24 7/8	58	55 1/2	18	7 1/2	13	4 3/4	1	320
A50-10-M65	3x1 1/2 x10	258	286TS	26 3/8	58	55 1/2	18	7 1/2	13	4 3/4	1	320
A50-10-M80	3x1 1/2 x10	264	324TS	27 1/4	64	61 1/2	18	7 1/2	13 7/8	4 3/4	1	350
A50-10-M120	3x1 1/2 x10	264	326TS	28 3/4	64	61 1/2	18	7 1/2	13 7/8	4 3/4	1	350
A50-10-M120	3x1 1/2 x10	264	364TS, 365TS	30 3/8	64	61 1/2	18	7 1/2	13 7/8	4 3/4	1	350
A50-10-L80	3x1 1/2 x10	268	405TS	34 1/8	68	65 1/2	22	9 1/2	14 7/8	4 3/4	1	
A50-10-L80	3x1 1/2 x10	280	444TS	37 1/2	80	77 1/2	22	9 1/2	15 7/8	4 3/4	1	

DIMENSIONS IN INCHES. NOT FOR CONSTRUCTION PURPOSES UNLESS APPROVED.

REVISIONS		MAGNATEX Pumps Inc.™	
NO.	DATE	OUTLINE DIMENSIONAL MAXP SERIES ANSI PUMPS	
1	11/16/81 RM	DRAWN BY: K. WIEDENFELD	
2		DATE: 4-12-91	
3		REV: 1	
4		A50-10	
5		DD-3506	

97	NAME PLATE	1		
95	SPACER	2		
94	BALL BEARING	2	2	No. 6308
93	OIL SEAL	1	1	TC40588
92	OIL SEAL	1	1	VC40586
91	AIR VENT	1		PF 3/8
90	OIL GAUGE	1		#28.5
87	MOTOR KEY	1		1/4x1/4x2.36
86	OUTER MAGNET KEY	1		10x8x51L
83	O-RING	2		G105
82	O-RING	1		G200
81	O-RING	1	1	G210
80	GASKET	1	1	220x235x1.5
78	CASING HEX HEAD BOLT	2		M16x80L
77	HEX HEAD BOLT	2		M12x25L
76	OUTER MAGNET SET SCREW	2		M8x8L
73	EYE BOLT	1		M10
71	BEARING HOUSING PLUG	3		NPT 3/8
70	FRAME ADAPTER PLUG	1		NPT 1/2
69	HEX HEAD BOLT	8		M10x20L
67	HEX HEAD BOLT	8		M16x50L
66	CASING HEX HEAD BOLT	6		M16x50L
54	SUPPORT	1		
53	BEARING HOUSING	1		OIL: 0.2L
52	BEARING COVER	2		
51	SHAFT, OUTER MAGNET w/KEYS	1		
50	FRAME ADAPTER	1		
48	OUTER MAGNET	1		
44	THRUST RING	2	2	443200
43	SLEEVE	2	2	433200
42	BUSHING	2	2	423200
40	INNER MAGNET	1		
20	DOWEL PIN	1		
16	INNER MAGNET KEY	1	1	5x5x77L
15	IMPELLER KEY	1	1	5x5x52L
14	DRAIN / FLUSH PLUG	1		NPT 1/2
13	SET BOLT	3	3	M6x6L
12	SLEEVE BOLT SET SCREW	1	1	M6x8L
11	IMPELLER NUT SET SCREW	1	1	M8x8L
8	HEX SOCKET HEAD BOLT	8	8	M8x30L
7	SLEEVE BOLT	1	1	
6	IMPELLER NUT	1	1	
5	SHAFT, INNER MAGNET w/KEYS	1	1	
4	REAR CASING	1		*H-C SHELL
3	CASING COVER	1		
2	CASING	1		
1	IMPELLER	1		D2+
MARK	NAME OF PART	USE No.	SPARE REQ'D	REMARK



FOR PUMP MODELS WITH 'S' SIZE MAGNETS.

EXAMPLE:

MODEL A10-6-S40

REVISIONS		MAGNATEX Pumps Inc. ™		
NO.	DATE			
1		SECTIONAL DRAWINGS MAXP SERIES ANSI PUMPS		
2				
3		DRAWN BY: K. WIEDENFELD	DATE: 7-14-80	REV:
4		S TYPE SD-3006		
5				