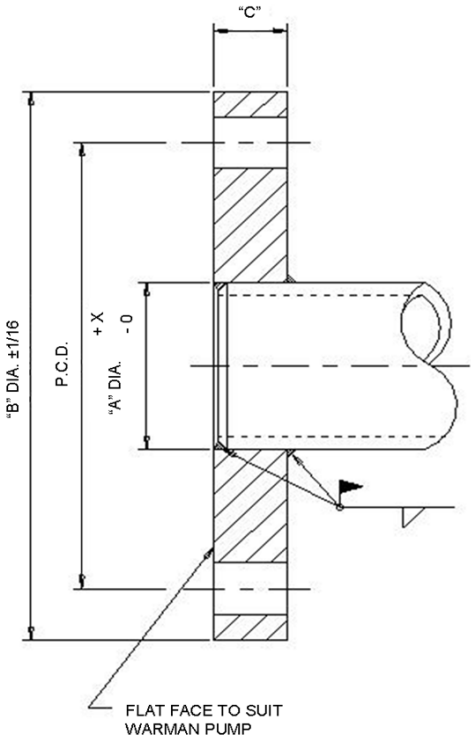


FLANGE DATA										BOLT DATA			PIPE	FLANGE WT.		PUMP DATA
PUMP SIZE	"A"	"B"	"C"	HOLES		P.C.D.	RAW MATERIAL	WARMAN PART NO.	BOLT SIZE	WARMAN PART NO.	QTY.	NOM. SIZE	FAB.	FINISH	PRESSURE	
				NO.	SIZE											
1.5/1 AH	1.38	6.50	0.63	4	0.625	5.00	WPL62	ZDF10MS	M12 x 60 mm LG.	M12H1-60VQ	4	1.00	7 LBS.	5 LBS.	300 PSI	
1.5/1 HH	1.38	6.00	0.75	4	0.625	4.50	WPL75	ZDF11MS	M12 x 65 mm LG.	M12H1-65VQ	4	1.00	8 LBS.	5 LBS.	500 PSI	
2/1.5 AH	1.96	6.50	0.75	4	0.750	5.00	WPL75	ZDF20MS	M16 x 70 mm LG.	M16H1-70VQ	4	1.50	9 LBS.	6 LBS.	300 PSI	
20 L	1.12	4.00	0.50	4	0.563	2.88	WPL50	ZDF21MS	M12 x 50 mm LG.	M12H1-50VQ	4	1.00	2 LBS.	1 LBS.	150 PSI	
38 HRM	1.96	8.06	1.00	8	0.750	6.50	WPL1.00	ZDF38MS	M16 x 85 mm LG.	M16H1-85VQ	8	1.50	18 LBS.	13 LBS.	750 PSI	
3/2 AH, 2 AHF	2.44	7.25	0.75	4	0.750	5.75	WPL75	ZDF30MS	M16 x 75 mm LG.	M16H1-75VQ	4	2.00	11 LBS.	7 LBS.	300 PSI	
3/2 HH	2.44	8.00	1.00	4	0.750	6.50	WPL1.00	ZDF31MS	M16 x 85 mm LG.	M16H1-85VQ	4	2.00	18 LBS.	12 LBS.	500 PSI	
50 L	1.96	6.50	0.75	4	0.750	5.00	WPL75	ZDF25MS	M16 x 75 mm LG.	M16H1-75VQ	4	2.00	9 LBS.	6 LBS.	150 PSI	
50 WBH	2.44	8.50	0.63	4	0.719	7.00	WPL62	ZDF26MS	M16 x 80 mm LG.	M16H1-80VQ	4	2.00	13 LBS.	9 LBS.	300 PSI	
4/3 AH, 3 AHF	3.56	9.00	1.00	4	0.875	7.50	WPL1.00	ZDF40MS	M20 x 90 mm LG.	M20H1-90VQ	4	3.00	23 LBS.	15 LBS.	300 PSI	
4/3 HH	3.56	10.00	1.13	8	0.750	8.25	WPL1.125	ZDF41MS	M16 x 90 mm LG.	M16H1-90VQ	8	3.00	32 LBS.	21 LBS.	500 PSI	
4/3 HHP	3.56	10.00	1.13	8	0.750	8.25	WPL1.125	ZDF41MS	M16 x 90 mm LG.	M16H1-90VQ	8	3.00	32 LBS.	21 LBS.	600 PSI	
4/3 HHPX	3.56	10.00	1.13	8	0.750	8.25	WPL1.125	ZDF41MS	M16 x 90 mm LG.	M16H1-90VQ	8	3.00	32 LBS.	21 LBS.	750 PSI	
4/3 SH	3.56	8.00	1.00	8	0.750	5.50	WPL1.00	ZDF42MS	M16 x 85 mm LG.	M16H1-85VQ	8	3.00	18 LBS.	10 LBS.	300 PSI	
75 L	3.56	8.00	1.00	4	0.750	6.50	WPL1.00	ZDF43MS	M16 x 80 mm LG.	M16H1-80VQ	4	3.00	18 LBS.	11 LBS.	150 PSI	
75 HRM	3.56	11.00	1.50	8	0.906	9.06	WPL1.50	ZDF75MS	M20 x 110 mm LG.	M20H1-110ZN	8	-	51 LBS.	34 LBS.	750 PSI	
75 WBH	3.56	11.00	0.75	8	0.719	9.25	WPL75	ZDF45MS	M16 x 80 mm LG.	M16H1-80VQ	8	3.00	26 LBS.	17 LBS.	300 PSI	
100C-GP ANSI 150	4.56	9.00	1.00	8	0.688	7.52	WPL1.00	ZDF63MSA	5/8 UNC x 3.00" LG.	U10H1-12VH	8	4.00	23 LBS.	13 LBS.	200 PSI	
100C-GP AS2129	4.56	9.00	1.00	8	0.688	7.01	WPL1.00	ZDF63MSB	M16 x 80 mm LG.	M16H1-80VH	8	4.00	23 LBS.	13 LBS.	200 PSI	
100C-GP DIN 2655	4.56	9.00	1.00	8	0.688	7.09	WPL1.00	ZDF63MSD	M16 x 80 mm LG.	M16H1-80VH	8	4.00	23 LBS.	13 LBS.	200 PSI	
100 L	4.56	9.00	1.00	4	0.875	7.50	WPL1.00	ZDF65MS	M20 x 90 mm LG.	M20H1-90VQ	4	4.00	23 LBS.	13 LBS.	150 PSI	
100 HRM	4.56	12.50	1.50	8	1.125	10.25	WPL1.50	ZDF44MS	M24 x 120 mm LG.	M24H1-120VQ	8	4.00	66 LBS.	42 LBS.	750 PSI	
100 WBH	4.56	12.00	0.88	4	0.906	10.25	WPL87	ZDF70MS	M20 x 90 mm LG.	M20H1-90VQ	4	4.00	36 LBS.	23 LBS.	300 PSI	
6/4 AH, 4 AHF	4.56	11.00	1.00	4	0.875	9.25	WPL1.00	ZDF60MS	M20 x 90 mm LG.	M20H1-90VQ	4	4.00	34 LBS.	22 LBS.	300 PSI	
6/4 HH	4.56	12.00	1.25	8	0.875	10.25	WPL1.25	ZDF61MS	M20 x 110 mm LG.	M20H1-110VQ	8	4.00	51 LBS.	33 LBS.	500 PSI	
6/4 SH	4.56	9.00	1.00	8	0.750	7.50	WPL1.00	ZDF62MS	M16 x 90 mm LG.	M16H1-90VQ	8	4.00	23 LBS.	12 LBS.	300 PSI	
6/4 AHP	4.56	14.50	1.50	12	1.000	12.75	WPL1.50	ZDF64MS	M20 x 110 mm LG.	M20H1-110VQ	12	4.00	89 LBS.	59 LBS.	500 PSI	
6/4 AHPP	4.56	14.50	2.00	12	1.000	12.75	WPL2.00	ZDF64MSPP	M20 x 130 mm LG.	M20H1-130VQ	12	4.00	119 LBS.	79 LBS.	1,000 PSI	
6 HP	6.69	17.00	1.50	12	1.063	15.00	WPL1.50	ZDF66MS	M24 x 130 mm LG.	M24H1-130VQ	12	6.00	123 LBS.	77 LBS.	500 PSI	
# 6/4 S-HH	6.69	12.00	1.25	8	0.875	10.25	WPL1.25	ZDF67MS	M20 x 110 mm LG.	M20H1-110VQ	8	4.00	51 LBS.	26 LBS.	500 PSI	
6 H	6.69	16.50	1.50	8	1.125	14.19	WPL1.50	ZDF68MS	M24 x 120 mm LG.	M24H1-120VQ	8	6.00	116 LBS.	72 LBS.	250 PSI	
6 HPP	6.69	17.00	2.25	12	1.063	15.00	WPL2.25	ZDF69MS	M24 x 150 mm LG.	M24H1-150VQ	12	6.00	184 LBS.	115 LBS.	1,000 PSI	
125 MCR	6.69	13.50	1.25	8	0.875	11.75	WPL1.25	ZDF128MS	M20 x 95 mm LG.	M20H1-95VQ	8	6.00	64 LBS.	36 LBS.	130 PSI	
125 MCU	6.69	13.50	1.25	8	0.875	11.75	WPL1.25	ZDF128MS	M20 x 95 mm LG.	M20H1-95VQ	8	6.00	64 LBS.	36 LBS.	130 PSI	
8/6 AH, 6 AHF	6.69	14.50	1.13	8	0.875	12.75	WPL1.125	ZDF80MS	M20 x 110 mm LG.	M20H1-110VQ	8	6.00	67 LBS.	40 LBS.	300 PSI	
8/6 HH	6.69	17.00	1.50	8	1.125	14.75	WPL1.50	ZDF81MS	M24 x 140 mm LG.	M24H1-140VQ	8	6.00	123 LBS.	78 LBS.	500 PSI	
8/6 SH	6.69	12.00	1.25	12	0.875	10.25	WPL1.25	ZDF82MS	M20 x 110 mm LG.	M20H1-110VQ	12	6.00	51 LBS.	25 LBS.	300 PSI	
8/6 AHP	6.69	19.50	1.75	12	1.250	17.25	WPL1.75	ZDF84MS	M24 x 140 mm LG.	M24H1-140VQ	12	6.00	188 LBS.	123 LBS.	500 PSI	
8/6 AHPP	6.75	19.29	2.75	12	1.063	17.25	WPL2.75	ZDF84MSPP	M24 x 160 mm LG.	M24H1-160VQ	12	6.00	290 LBS.	191 LBS.	1,000 PSI	
8/6 R-AH	6.69	17.00	1.25	8	1.000	14.75	WPL1.25	ZDF85MS	M20 x 110 mm LG.	M20H1-110VQ	8	6.00	102 LBS.	66 LBS.	300 PSI	
8/6 XU	6.69	14.50	1.13	8	0.875	12.75	WPL1.125	ZDF88MS	M20 x 110 mm LG.	M20H1-110VQ	8	6.00	67 LBS.	40 LBS.	150 PSI	
150 L	6.69	12.00	1.25	8	0.750	10.25	WPL1.25	ZDF83MS	M16 x 90 mm LG.	M16H1-90VQ	8	6.00	51 LBS.	26 LBS.	150 PSI	
150 WBH	6.69	15.31	1.25	8	0.906	13.38	WPL1.25	ZDF86MS	M20 x 110 mm LG.	M20H1-110VQ	8	6.00	83 LBS.	51 LBS.	300 PSI	
150 MCR	8.75	16.00	1.25	12	1.000	14.25	WPL1.25	ZDF150MS	M20 x 80 mm LG (Qty 4) / M20 x 100 mm LG (Qty 8)	M20H1-80VV (Qty 4) / M20H1-100VQ (Qty 8)	-	8.00	91 LBS.	47 LBS.	130 PSI	
150 MCU	8.75	16.00	1.25	12	1.000	14.25	WPL1.25	ZDF150MS	M20 x 100 mm LG.	M20H1-100VQ	12	8.00	91 LBS.	47 LBS.	130 PSI	
10/8 AH, 8 AHF	8.69	17.00	1.38	8	1.125	14.75	WPL1.37	ZDF100MS	M24 x 130 mm LG.	M24H1-130VQ	8	8.00	112 LBS.	62 LBS.	300 PSI	
8 STYFC-AHPF	8.69	22.88	2.25	12	1.313	20.00	WPL2.25	ZDF87MS	M30 x 220 mm LG.	M30H1-220VQ	12	8.00	333 LBS.	214 LBS.	750 PSI	
10/8 G	8.69	14.50	1.25	8	0.750	12.75	WPL1.25	ZDF101MS	M16 x 110 mm LG.	M16H1-110VQ	8	8.00	74 LBS.	36 LBS.	73 PSI	
10/8 AHPP	8.69	22.88	2.75	12	1.313	20.00	WPL2.75	ZDF102MS	M30 x 180 mm LG.	M30H1-180VQ	12	8.00	407 LBS.	261 LBS.	1,000 PSI	
10/8 M, 8 MF, 200 MF	8.69	17.00	1.25	8	1.125	14.75	WPL1.25	ZDF103MS	M24 x 120 mm LG.	M24H1-120VQ	8	8.00	102 LBS.	57 LBS.	250 PSI	
10/8 XU, 200 L, 200 M, 200 EMSM	8.69	17.00	1.50	8	1.125	14.75	WPL1.50	ZDF105MS	M24 x 120 mm LG.	M24H1-120VQ	8	8.00	123 LBS.	68 LBS.	150 PSI	
# 200 E-MF	10.88	17.00	1.50	8	1.125	14.75	WPL1.50	ZDF82098	M24 x 120 mm LG.	M24H1-120VQ	8	10.00	123 LBS.	54 LBS.	250 PSI	
200 WBH	8.69	19.25	1.63	8	1.063	17.31	WPL1.62	ZDF106MS	M24 x 120 mm LG.	M24H1-120VQ	8	8.00	170 LBS.	103 LBS.	300 PSI	
200 MCR	11.00	19.00	1.25	12	1.000	17.00	WPL1.25	ZDF203MS	M20 x 80 mm LG (Qty 4) / M20 x 100 mm LG (Qty 8)	M20H1-80VV (Qty 4) / M20H1-100VQ (Qty 8)	-	10.00	128 LBS.	63 LBS.	130 PSI	



- 1.) PARTS TO BE MADE FROM ASTM-A-36 OR EQUAL UNLESS OTHERWISE NOTED.
- 2.) FLAME CUT DIA. "S" "A" & "B".
- 3.) REMOVE ALL BURRS & SHARP EDGES.
- 4.) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
- 5.) STAMP PART NO. ON SIDE OF FLANGE USING 5/16 HIGH NUMERALS.
- 6.) # FLANGE IS CUSTOMIZED PER CUSTOMER REQUIREMENTS.
- 7.) BOLTING GRADE 5 ASTM A193.
- 8.) FLANGES WITH NOM. PIPE SIZE LARGER THAN OR EQUAL TO 14", X = 3/16". FLANGES WITH NOM. PIPE SIZE SMALLER THAN 14", X = 1/8".


FOR LIMITS OF UNTOLERANCED DIMENSIONS
REFER TO DRG. A4-15895



































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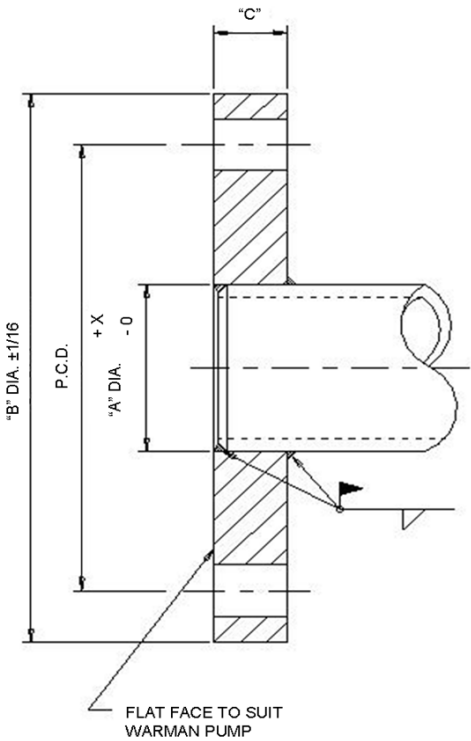
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55	ZDF128MS WAS ZDF125MS FOR 125 MCR AND 125 MCU	JCV	21 APR, 2016	GMG
53	REVISED FASTENER LENGTHS, ADDED 4/3 HHP, 4/3 HHPX, 125 MCR AND 125 MCU	GMG	MAR. 14, 2016	JCV
52	REVISED NOMINAL PIPE SIZES, ADDED 75 HRM	PO	JUNE 05, 2013	LFB
####	#REF!	#REF!	#REF!	#REF!
51	HOLE SIZE COLUMN WAS 2 DECIMAL PLACES, NOW 3	LFB	MAR. 06, 2013	AGS
NO.	DESCRIPTION	BY	DATE	CHK
REVISIONS				

APP.	
CHECK	RT
DRN.	JCV
DATE	MAY 22, 2000
SCALE	

PRODUCT:		TITLE:	
WARMAN PUMP		DISCHARGE SLIP-ON FLANGE DETAIL	
	WEIR MINERALS NORTH AMERICA	DRAWING NO.	REV.
	DESIGN CENTRE OF ORIGIN MADISON	A2-110-0-62414 SHEET 1 OF 2	55

FLANGE DATA										BOLT DATA			PIPE	FLANGE WT.		PUMP DATA	
PUMP SIZE		"A"	"B"	"C"	HOLES		P.C.D.	RAW MATERIAL	WARMAN PART NO.	BOLT SIZE	WARMAN PART NO.	QTY.	NOM. SIZE	FAB.	FINISH	PRESSURE	
					NO.	SIZE											
	200 MCU		11.00	19.00	1.25	12	1.000				M20 x 120 mm LG.	M20H1-120VQ	12	10.00	128 LBS.	63 LBS.	130 PSI
	12/10 AH, 10 AHF		10.88	20.75	1.75	12	1.000				M20 x 130 mm LG.	M20H1-130VQ	12	10.00	213 LBS.	117 LBS.	300 PSI
#	12/10 ST-AH		12.88	20.75	1.75	12	1.000				M20 x 140 mm LG.	M20H1-140VQ	12	10.00	213 LBS.	98 LBS.	300 PSI
	12/10 AHPP		10.88	26.00	3.25	12	1.500				M30 x 200 mm LG.	M30H1-200VQ	12	10.00	622 LBS.	383 LBS.	1,000 PSI
	12/10 AHP		10.88	26.00	2.25	12	1.500				M30 x 170 mm LG.	M30H1-170VQ	12	10.00	430 LBS.	265 LBS.	500 PSI
	12/10 G		10.88	18.00	1.25	8	0.875				M20 x 120 mm LG.	M20H1-120VQ	8	10.00	115 LBS.	55 LBS.	73 PSI
	12/10 XU, 250 L		10.88	19.00	1.50	8	1.250				M24 x 120 mm LG.	M24H1-120VQ	8	10.00	153 LBS.	77 LBS.	150 PSI
	10 MF		10.88	19.00	1.50	8	1.250				M24 x 130 mm LG.	M24H1-130VQ	8	10.00	153 LBS.	77 LBS.	200 PSI
	250 WBH		10.88	21.63	2.00	12	0.906				M20 x 140 mm LG.	M20H1-140VQ	12	10.00	265 LBS.	151 LBS.	300 PSI
	250 MCR		13.00	21.00	1.38	12	1.125			M24 x 80 mm LG (Qty 4) / M24 x 110 mm LG (Qty 8)	M24H1-80VW (Qty 4) / M24H1-110VQ (Qty 8)	-	12.00	172 LBS.	78 LBS.	130 PSI	
	250 MCU		13.00	21.00	1.38	12	1.125				M24 x 120 mm LG.	M24H1-120VQ	12	12.00	172 LBS.	78 LBS.	130 PSI
	14/12 AH, 12 AHF		12.88	21.75	1.75	12	1.000				M20 x 120 mm LG.	M20H1-120VQ	12	12.00	234 LBS.	115 LBS.	300 PSI
	14/12 AHP		12.88	26.38	2.50	12	1.625				M36 x 200 mm LG.	M36H1-200VQ	12	12.00	492 LBS.	277 LBS.	500 PSI
	14/12 AHPP		12.88	26.38	3.75	12	1.625				M36 x 230 mm LG.	M36H1-230VQ	12	0.00	738 LBS.	415 LBS.	0 PSI
	14 AHFP, 16/14 AHP		14.13	30.88	3.00	12	1.625				M36 x 210 mm LG.	M36H1-210VQ	12	14.00	809 LBS.	481 LBS.	500 PSI
	14/12 XU		12.88	19.00	1.25	12	1.000				M20 x 120 mm LG.	M20H1-120VQ	12	12.00	128 LBS.	51 LBS.	150 PSI
	300 L, 300 LF		12.88	20.88	1.38	12	1.000				M20 x 110 mm LG.	M20H1-110VQ	12	12.00	170 LBS.	79 LBS.	150 PSI
	300 LFP		12.88	25.63	2.25	12	1.313				M30 x 160 mm LG.	M30H1-160VQ	12	12.00	418 LBS.	235 LBS.	400 PSI
	300 WBH		12.88	26.00	2.00	12	1.313				M30 x 160 mm LG.	M30H1-160VQ	12	12.00	383 LBS.	218 LBS.	300 PSI
	300 MCR		14.25	25.00	1.75	16	1.250			M30 x 100 mm LG (Qty 4) / M30 x 140 mm LG (Qty 12)	M30H1-100VW (Qty 4) / M30H1-140VQ (Qty 12)	-	14.00	310 LBS.	154 LBS.	130 PSI	
	300 MCU		14.25	25.00	1.75	16	1.250				M30 x 140 mm LG.	M30H1-140VQ	16	14.00	310 LBS.	154 LBS.	130 PSI
	16/14 AH, 14 AHF		14.13	26.50	2.25	12	1.125				M24 x 150 mm LG.	M24H1-150VQ	12	14.00	447 LBS.	244 LBS.	300 PSI
#	16/14 TU-AHPP		15.79	30.91	4.00	12	1.650				M36 x 240 mm LG.	M36H1-240VQ	12	14.00	1,081 LBS.	599 LBS.	1,000 PSI
	350 L, 350 LF		14.13	23.25	1.50	12	1.000				M20 x 110 mm LG.	M20H1-110VQ	12	14.00	229 LBS.	110 LBS.	150 PSI
	350 MCR		16.25	27.50	1.75	20	1.250			M30 x 100 mm LG (Qty 4) / M30 x 140 mm LG (Qty 16)	M30H1-100VW (Qty 4) / M30H1-140VQ (Qty 16)	-	16.00	375 LBS.	179 LBS.	130 PSI	
	350 MCU		16.25	27.50	1.75	20	1.250				M30 x 160 mm LG.	M30H1-160VQ	20	16.00	375 LBS.	179 LBS.	130 PSI
	18/16 HGH		16.13	25.25	1.75	12	1.000				M20 x 150 mm LG.	M20H1-150VQ	12	16.00	316 LBS.	142 LBS.	73 PSI
	400 L		16.13	27.00	1.75	12	1.313				M30 x 150 mm LG.	M30H1-150VQ	12	16.00	361 LBS.	174 LBS.	150 PSI
	400 MCR		18.25	32.00	2.50	12	1.375				M30 x 180 mm LG.	M30H1-180VQ	12	18.00	724 LBS.	371 LBS.	180 PSI
	20/18 AH		18.13	35.50	2.75	12	1.625				M36 x 200 mm LG.	M36H1-200VQ	12	18.00	981 LBS.	550 LBS.	200 PSI
	20/18 AHP		18.13	35.50	3.50	12	1.625				M36 x 220 mm LG.	M36H1-220VQ	12	18.00	1,248 LBS.	700 LBS.	500 PSI
	450 L		18.13	29.13	1.75	12	1.313				M30 x 180 mm LG.	M30H1-180VQ	12	18.00	420 LBS.	194 LBS.	150 PSI
	450 MCR		22.38	34.25	2.50	12	1.625				M36 x 200 mm LG.	M36H1-200VQ	12	22.00	830 LBS.	356 LBS.	180 PSI
	450 MCU		22.38	34.25	2.50	12	1.625				M36 x 210 mm LG.	M36H1-210VQ	12	22.00	830 LBS.	356 LBS.	180 PSI
	20/20 D		22.25	30.00	2.50	12	1.188				M24 x 170 mm LG.	M24H1-170VQ	12	20.00	637 LBS.	216 LBS.	44 PSI
	500 L		20.25	33.50	2.00	12	1.500				M36 x 180 mm LG.	M36H1-180VQ	12	20.00	635 LBS.	305 LBS.	150 PSI
	500 HTP		21.75	43.31	4.75	12	1.875				M42 x 270 mm LG.	M42H1-270VQ	12	22.00	2,522 LBS.	1,437 LBS.	580 PSI
	550 L		22.25	35.50	2.00	12	1.500				M36 x 180 mm LG.	M36H1-180VQ	12	22.00	713 LBS.	328 LBS.	150 PSI
	550 SHD		23.12	43.31	3.75	12	1.875				M42 x 240 mm LG.	M42H1-240VQ	12	- 	1,991 LBS.	1,083 LBS.	300 PSI
	550 MCR		26.38	41.75	2.50	16	1.625			M36 x 150 mm LG (Qty 4) / M36 x 200 mm LG (Qty 12)	M36H1-150VW (Qty 4) / M36H1-200VQ (Qty 12)	-	26.00	1,233 LBS.	559 LBS.	130 PSI	
	550 MCU		26.38	41.75	2.50	16	1.625				M36 x 210 mm LG.	M36H1-210VQ	16	26.00	1,233 LBS.	559 LBS.	130 PSI
	600 GSL		24.75	33.50	1.75	12	1.313				M24 x 150 mm LG.	M24H1-150VQ	12	- 	556 LBS.	190 LBS.	82 PSI
	600 HTP		25.75	50.81	5.50	12	2.000				M48 x 320 mm LG.	M48H1-320VQ	12	26.00	4,019 LBS.	2,287 LBS.	580 PSI
	650 L		26.25	41.38	2.75	12	1.750				M36 x 200 mm LG.	M36H1-200VQ	12	26.00	1,332 LBS.	603 LBS.	150 PSI
#	650 LP		27.50	44.13	4.00	12	1.750				M36 x 240 mm LG.	M36H1-240VQ	12	26.00	2,204 LBS.	1,026 LBS.	363 PSI
	650 LP		26.25	44.13	4.00	12	1.750				M42 x 250 mm LG.	M42H1-250VQ	12	26.00	2,204 LBS.	1,086 LBS.	363 PSI
	650 MCR		30.38	47.25	3.50	16	1.688			M36 x 190 mm LG (Qty 4) / M36 x 240 mm LG (Qty 12)	M36H1-190VW (Qty 4) / M36H1-240VQ (Qty 12)	-	30.00	2,211 LBS.	984 LBS.	130 PSI	
	650 MCU		30.38	46.00	3.50	16	1.688				M36 x 280 mm LG.	M36H1-280VQ	16	30.00	2,096 LBS.	893 LBS.	130 PSI
	700 GSL		28.68	40.25	2.00	12	1.563				M36 x 180 mm LG.	M36H1-180VQ	12	- 	917 LBS.	342 LBS.	82 PSI
	750 MCR		30.38	53.13	3.25	12	2.438				M60 x 290 mm LG.	M60H1-290VQ	12	30.00	2,596 LBS.	1,321 LBS.	130 PSI
	750 MCU		30.38	53.13	3.25	12	2.438				M60 x 310 mm LG.	M60H1-310VQ	12	30.00	2,596 LBS.	1,321 LBS.	130 PSI
	800 GSL		32.62	44.88	2.25	12	1.813				M42 x 190 mm LG.	M42H1-190VQ	12	- 	1,282 LBS.	455 LBS.	82 PSI
	1000 GSL		39.38	56.31	2.50	12	2.375				M56 x 230 mm LG.	M56H1-230VQ	12	- 	2,244 LBS.	863 LBS.	82 PSI



- 1.) PARTS TO BE MADE FROM ASTM-A-36 OR EQUAL UNLESS OTHERWISE NOTED.
- 2.) FLAME CUT DIA."S "A" & "B".
- 3.) REMOVE ALL BURRS & SHARP EDGES.
- 4.) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
- 5.) STAMP PART NO. ON SIDE OF FLANGE USING 5/16 HIGH NUMERALS.
- 6.) # FLANGE IS CUSTOMIZED PER CUSTOMER REQUIREMENTS.
- 7.) BOLTING GRADE 5 ASTM A193.
- 8.) FLANGES WITH NOM. PIPE SIZE LARGER THAN OR EQUAL TO 14", X = 3/16". FLANGES WITH NOM. PIPE SIZE SMALLER THAN 14", X = 1/8".


FOR LIMITS OF UNTOLERANCED DIMENSIONS
REFER TO DRG. A4-15895

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55	ZDF128MS WAS ZDF125MS FOR 125 MCR AND 125 MCU	JCV	21 APR, 2016	GMG
53	REVISED FASTENER LENGTHS, ADDED 4/3 HHP, 4/3 HHPX, 125 MCR AND 125 MCU	GMG	MAR. 14, 2016	JCV
52	REVISED NOMINAL PIPE SIZES, ADDED 75 HRM	PO	JUNE 05, 2013	LFB
####	#REF!	#REF!	#REF!	#REF!
51	HOLE SIZE COLUMN WAS 2 DECIMAL PLACES, NOW 3	LFB	MAR. 06, 2013	AGS
NO.	DESCRIPTION	BY	DATE	CHK
REVISIONS				

APP.	
CHECK	RT
DRN.	JCV
DATE	MAY 22, 2000
SCALE	-----

PRODUCT:		TITLE:	
WARMAN PUMP		DISCHARGE SLIP-ON FLANGE DETAIL	
	WEIR MINERALS NORTH AMERICA	DRAWING NO.	REV.
	DESIGN CENTRE OF ORIGIN MADISON	A2-110-0-62414 SHEET 2 OF 2	55