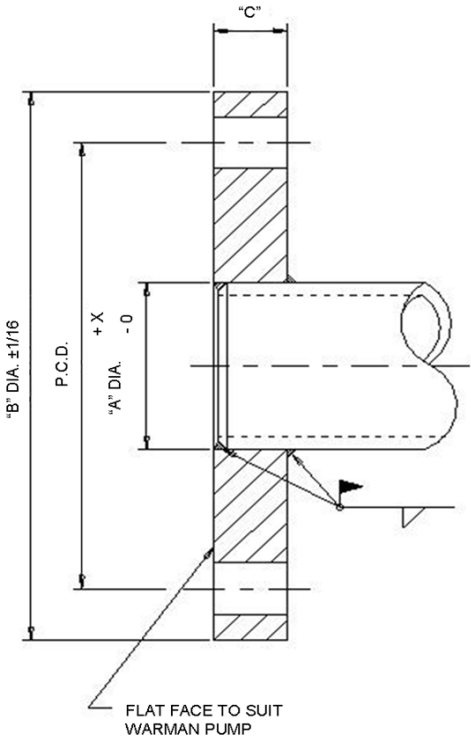


FLANGE DATA										BOLT DATA			PIPE	FLANGE WT.		PUMP DATA
PUMP SIZE		"A"	"B"	"C"	HOLES		P.C.D.	RAW MATERIAL	WARMAN PART NO.	BOLT SIZE	WARMAN PART NO.	QTY.	NOM. SIZE	FAB.	FINISH	PRESSURE
					NO.	SIZE										
	1.5/1 AH	1.38	6.50	0.63	4	0.625	5.00	WPL62	ZDF10MS	M12 x 60 mm LG.	M12H1-60VQ	4	1.00	7 LBS.	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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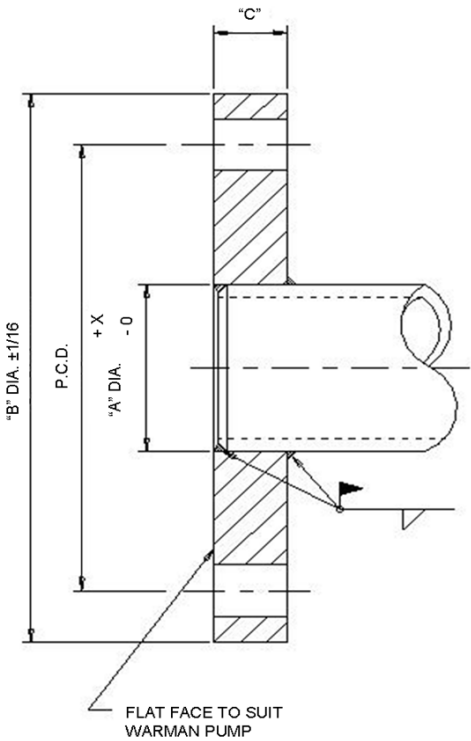
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55	ZDF128MS WAS ZDF125MS FOR 125 MCR AND 125 MCU	JCV	21 APR, 2016	GMG
53	REVISED FASTENER LENGTHS, ADDED 4/3 HHP, 4/3 HHPX, 125 MCR AND 125 MCU	GMG	MAR. 14, 2016	JCV
52	REVISED NOMINAL PIPE SIZES, ADDED 75 HRM	PO	JUNE 05, 2013	LFB
####	#REF!	#REF!	#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
#	200 MCU	11.00	19.00	1.25	12	1.000	17.00	WPL1.25	ZDF203MS	M20 x 120 mm LG.	M20H1-120VQ	12	10.00	128 LBS.	63 LBS.	130 PSI
					NO.	SIZE										
	12/10 AH, 10 AHF	10.88	20.75	1.75	12	1.000	18.50	WPL1.75	ZDF121MS	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	18.50	WPL1.75	ZDF82100	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	22.63	WPL3.25	ZDF122MS	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	22.63	WPL2.25	ZDF123MS	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	16.00	WPL1.25	ZDF124MS	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	16.75	WPL1.50	ZDF125MS	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	16.75	WPL1.50	ZDF126MS	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	19.50	WPL2.00	ZDF127MS	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	18.75	WPL1.37	ZDF250MS	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	18.75	WPL1.37	ZDF250MS	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	19.50	WPL1.75	ZDF140MS	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	22.84	WPL2.50	ZDF141MS	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	22.83	WPL3.75	ZDF146MS	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	26.75	WPL3.00	ZDF143MS	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	17.00	WPL1.25	ZDF144MS	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	18.50	WPL1.37	ZDF300MS	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	22.44	WPL2.25	ZDF300MSFP	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	22.83	WPL2.00	ZDF145MS	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	22.75	WPL1.75	ZDF301MS	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	22.75	WPL1.75	ZDF301MS	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	24.00	WPL2.25	ZDF160MS	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	26.77	ZDF162MS	M36 x 240 mm LG.	M36H1-240VQ	M36H1-240VQ (Qty 12)	12	14.00	1,081 LBS.	599 LBS.	1,000 PSI
	350 L, 350 LF	14.13	23.25	1.50	12	1.000	20.88	WPL1.50	ZDF350MS	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	25.00	WPL1.75	ZDF351MS	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	25.00	WPL1.75	ZDF351MS	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	23.00	WPL1.75	ZDF180MS	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	24.22	WPL1.75	ZDF400MS	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	29.50	WPL2.50	ZDF401MS	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	31.50	WPL2.75	ZDF200MS	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	31.50	WPL3.50	ZDF201MS	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	26.38	WPL1.75	ZDF450MS	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	31.50	WPL2.50	ZDF451MS	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	31.50	WPL2.50	ZDF451MS	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	27.50	WPL2.50	ZDF202MS	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	29.50	WPL2.00	ZDF500MS	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	39.38	WPL4.75	ZDF501MS	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	31.50	WPL2.00	ZDF550MS	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	39.38	WPL3.75	ZDF551MS	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	38.50	WPL2.50	ZDF552MS	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	38.50	WPL2.50	ZDF552MS	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	30.50	WPL1.75	ZDF600MS	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	45.69	WPL5.50	ZDF601MS	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	37.41	WPL2.75	ZDF650MS	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	40.16	WPL4.00	ZDF81493	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	40.16	WPL4.00	ZDF653MS	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	42.72	WPL3.50	ZDF652MS	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	42.72	WPL3.50	ZDF651MS	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	36.44	WPL2.00	ZDF700MS	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	47.63	WPL3.25	ZDF750MS	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	47.63	WPL3.25	ZDF750MS	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	41.16	WPL2.25	ZDF800MS	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	51.18	WPL2.50	ZDF1000MS	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