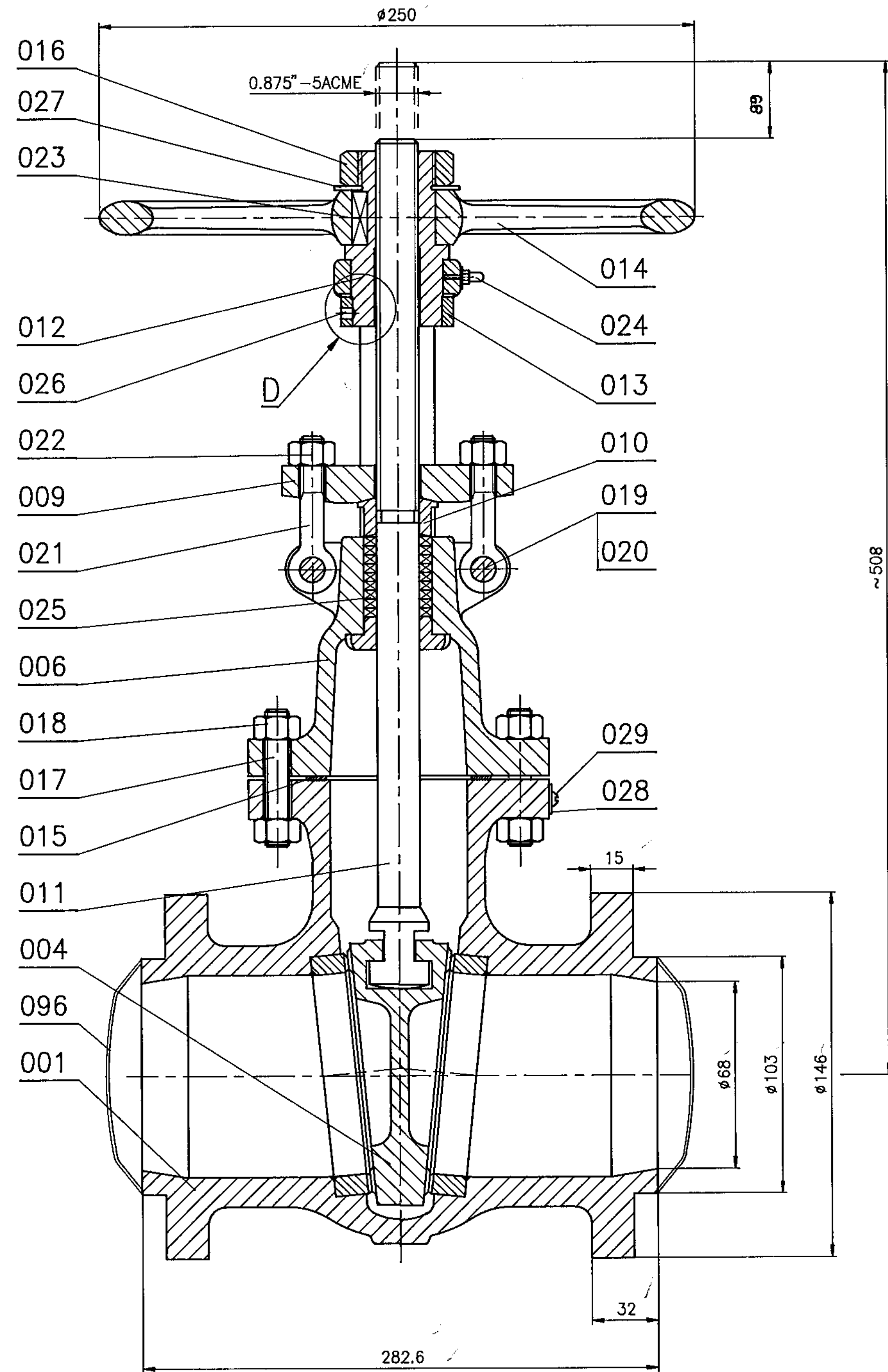
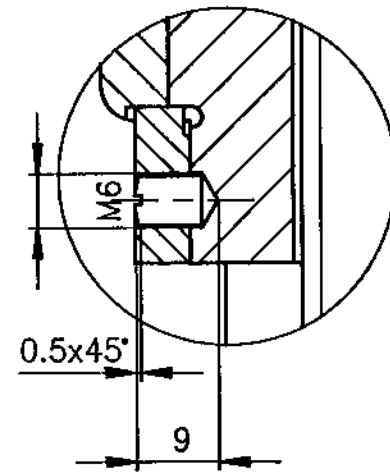


10/12090-0000-V-Z
DRAWING NO.
ON DIMYD

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP

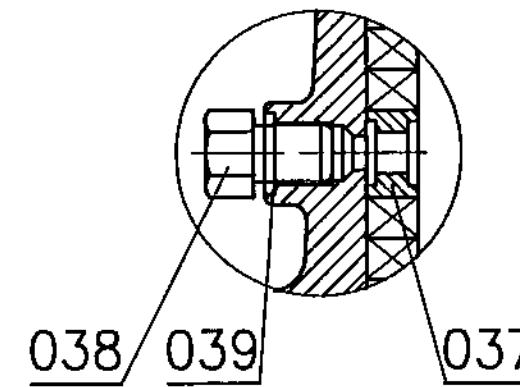


DETAIL-D



SEALED GLAND ARRANGEMENT

(APPLICABLE FOR TYPE Nos: N357, N389, N390 & N391)



NOTES:

1. THE BUTT WELD END EDGE PREPARATION AS PER PLANT STD. AND MAY VARY TO SUIT CUSTOMER'S REQUIREMENT.
2. DIMENSIONALLY IDENTICAL SEAT RING MAY BE EITHER SCREWED OR SCREWED AND SEAL WELD.
3. END COVER SHALL BE TACK WELD AT 3 EQUAL DISTANCED PLACES AFTER EDGE PREPARATION
4. HYDRAULIC TEST PROCEDURE SHALL BE AS PER LATEST APPLICABLE QUALITY PROCEDURE.

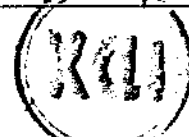
DRILL & TAP DURING ASSEMBLY

SL. No.	TYPE No.	ASSY. DRG No.	MATL. SPECN.	VALVE SPECN.	HYD. TEST PR. IN Kg/cm ²		PRESSURE/TEMPERATURE RATINGS								
					SHELL	SEAT	TEMP. IN °C		PRESSURE IN Kg/cm ²						
01	N289	2-V-N289-06021/01	A216 WCB	3"-150C WCB BW GV HW	30	20	TEMP. IN °C		38	200	300	400	425	-	-
							PRESSURE IN Kg/cm ²						20	14	10
02	N290	2-V-N290-06021/01	A216 WCC	3"-150C WCC BW GV HW	30	20	TEMP. IN °C		38	200	300	400	425	-	-
							PRESSURE IN Kg/cm ²						20	14	10
03	N291	2-V-N291-06021/01	A217 WC6	3"-150C WC6 BW GV HW	30	20	TEMP. IN °C		38	200	300	400	-	500	550
							PRESSURE IN Kg/cm ²						20	14	10
04	N292	2-V-N292-06021/01	A217 WC9	3"-150C WC9 BW GV HW	30	20	TEMP. IN °C		38	200	300	400	-	500	550
							PRESSURE IN Kg/cm ²						20	14	10
05	N357	2-V-N357-06021/01	A216 WCB	3"-150C WCB BW GV HW SG	30	20	TEMP. IN °C		38	200	300	400	425	-	-
							PRESSURE IN Kg/cm ²						20	14	10
06	N389	2-V-N389-06021/01	A216 WCC	3"-150C WCC BW GV HW SG	30	20	TEMP. IN °C		38	200	300	400	425	-	-
							PRESSURE IN Kg/cm ²						20	14	10
07	N390	2-V-N390-06021/01	A217 WC6	3"-150C WC6 BW GV HW SG	30	20	TEMP. IN °C		38	200	300	400	-	500	550
							PRESSURE IN Kg/cm ²						20	14	10
08	N391	2-V-N391-06021/01	A217 WC9	3"-150C WC9 BW GV HW SG	30	20	TEMP. IN °C		38	200	300	400	-	500	550
							PRESSURE IN Kg/cm ²						20	14	10

NO. OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No.	ITEM No.															
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT																								
<table border="1"> <tr> <td>DRN</td> <td>K.P. LEON</td> <td>SIGN</td> <td>DATE</td> <td>NO. OF VAR.</td> </tr> <tr> <td>CHD</td> <td>N.DHANAPAL</td> <td></td> <td>22.11.95</td> <td></td> </tr> <tr> <td>APPD</td> <td>A.VISWANATHAN</td> <td></td> <td>5-2-95</td> <td></td> </tr> </table>										DRN	K.P. LEON	SIGN	DATE	NO. OF VAR.	CHD	N.DHANAPAL		22.11.95		APPD	A.VISWANATHAN		5-2-95	
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CHD	N.DHANAPAL		22.11.95																					
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<table border="1"> <tr> <td>DEPT</td> <td>VL</td> <td>SCALE</td> <td>WEIGHT (KG)</td> <td>REFERENCE INFORMATION</td> </tr> <tr> <td>CODE</td> <td>320</td> <td>NTS.</td> <td>29.0</td> <td>CAD:C208021</td> </tr> </table>										DEPT	VL	SCALE	WEIGHT (KG)	REFERENCE INFORMATION	CODE	320	NTS.	29.0	CAD:C208021					
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<table border="1"> <tr> <td>TITLE</td> <td>CARD CODE</td> <td>DRAWING NO.</td> <td>REV</td> </tr> <tr> <td>GATE VALVE ASSY. (3"-150C)</td> <td>U 01</td> <td>2-V-0000-06021</td> <td>01</td> </tr> </table>										TITLE	CARD CODE	DRAWING NO.	REV	GATE VALVE ASSY. (3"-150C)	U 01	2-V-0000-06021	01							
TITLE	CARD CODE	DRAWING NO.	REV																					
GATE VALVE ASSY. (3"-150C)	U 01	2-V-0000-06021	01																					

REV 01 DATE 21.1.97 ALTERED T.C. CHD & APPD
NOTES UPDATED
REFER DCN.CS:0653

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NO. OF VAR. 01