

List of SC Valve Manufacturers

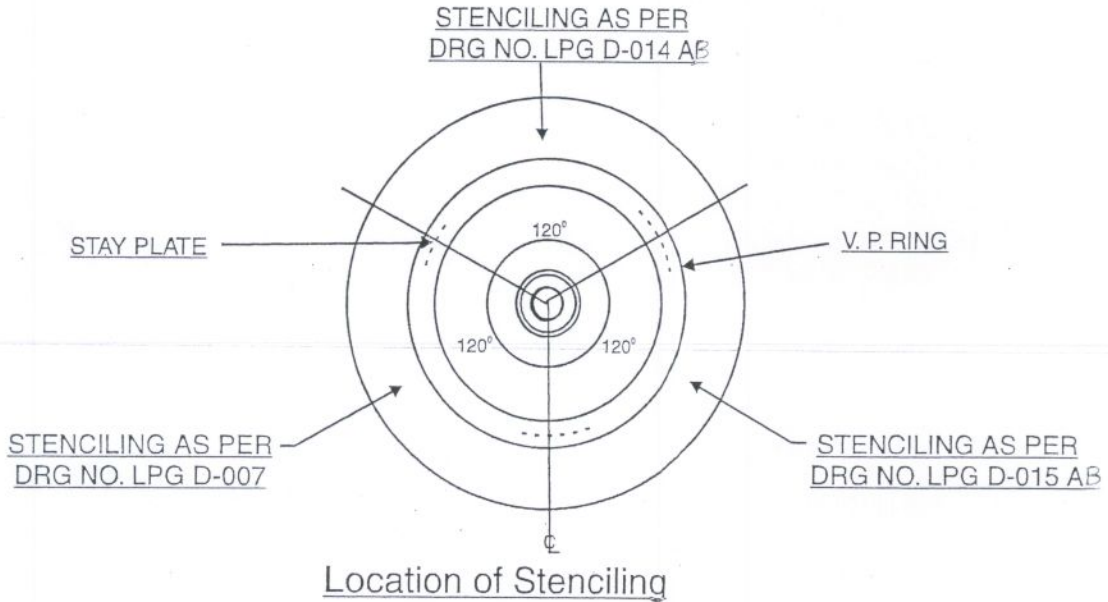
Sr. No	Name Of Party	Address			
1	A.K.M.N. Cylinders Pvt. Ltd.	S.F.No.13/1,13/2 Door No.48	Melachandapalayam,	Musiri – 621 211, Trichy Dis	Tamilnadu
2	Batra Associates Ltd.	Plot No.77, Sector 27-A	15/1, Mathura Road,	Faridabad,	Haryana – 121003.
3	Bhiwadi Cylinders Pvt Ltd	E 925, 1201	Industrial Area	Bhiwadi, Alwar	Rajasthan
4	Carbac Holding	Bhasa Village, Bagi.	P. O. Bisnapur	Dist. 24 Parganas (South)	West Bengal
5	Cylinvalve Industries	A-148, MIDC,	Chincholi,	Solapur (North) – 413006	
6	Delhi LPG Industries	Asaoti Raiwlay Rd	Deeg	Ballabgarh, Faridabad	Haryana
7	Elite Valves	S no 135/ 2B, 2C Rawat rd	AG Pudur, Irugur Vill	Palladam Tal, Coimbatore	
8	Gopal Cylinders	Near Export Zone, Jharmajri,	Hill Top Indus Estate	Baddi, Solan	Himachal Pradesh
9	Him Valves & Regulators Pvt.	102 & 103 Industrial Area,	Mehatpur,	Dist. Una (H.P.)	Himachal Pradesh
10	Indofab Engineers	S.Y. No. 112,	Dommerpochampally,	Medchal, R. R. Dist.	
11	Intel Gas Gadgets (P) Ltd	25,HSIDC Industrial Est.	Ambala Cantt.		Haryana
12	Jagadamba Engineering Pvt.	B-165 & 166, I.D.A.	Jeemidetla,	Hyderabad – 500 855	Andhra Pradesh
13	K.S. Technosafe Pvt. Ltd.	D-4/B, Industrial Estate	Site-T, Panki,	Kanpur – 208 022	
14	Konark Cylinders & Containe	Plot No. 199 & 200,	Section-A, Zone – B,	Indl. Est,	Bhubaseshwar
15	Koodalingam Valves Pvt. Ltd.	B-17/A, Industrial Devl. A.	Chitoor Dist.	Renigunta – 517 520, A.P.	Andhra Pradesh
16	Krishna Cylinders	Village Nasirpur,	Hissar Road,	Ambala City, Ambala	Haryana
17	Krishna Die Casting	336, Indl. Area,	Phase II	Panchkula – 134 113	Haryana
18	Krishan Valves & Regulators	10 M.W. Industrial Area,	Phase I,	Chandigarh	
19	Mauria Udyog Limited	Sector – 25,	N.R.Gouchi Octroi PO	Sohna Road,	Faridabad – 121004
20	Max Valves & Regulators Pvt	457, 458 Industrial Area,	Phase 1,	Panchkula (Haryana)	Haryana
21	Mega Metrics	155, HPSIDC Industrial Area,	Baddi	Solan	Himachal Pradesh
22	Neco Schubert & Salzer Ltd.	Plot no T45, MIDC Indus Area,	Hingna Road,	Nagpur – 440 016	
23	Orson Holdings Co. Ltd.	48, 'X'road, Off Banaras Road	Belgachia,	Howrah – 711 108	West Bengal
24	Pankaj Gas Cylinders Ltd	Plot no 5, 6 & 7	Sector 4	IIE Pant Nagar, US Nagar	Rudrapur
25	Power Fabricators	B-147 & 148,	MIDC, Wai	Dist. Satara – 412 803	
26	Prabha Electronics Ltd	209, Industrial Area,	Phase I,	Chandigarh – 160 002	
27	Primevalv Industrial Pvt. Ltd.	344, Avanashi Road,	Peelamedu	Coimbatore – 641 004	
28	R.P.Gas Equipments	D-4/B, Industrial Area,	Site 1, Panki,	Kanpur – 208 022	
29	Radha Valves	10 M.W. Industrial Area	Phase 1,	Chandigarh	
30	Rajasthan Cylinders & Contai	SP-825, Road No. 14,	Vishwakarama Ind.	Jaipur – 302 013	Rajasthan
31	Salico Trading Corporation	Plot No. 40 Ind. Area	Sector-1	Parwanoo (H.P.), Solan	Himachal Pradesh
32	Southern Metals & Alloys Pvt	Plot No. 73, (Survey 168)	Dabhel Indl. Co-Op. Soc	Dabhel,	Daman – 396 210 (U.T.)
33	Transvalves India Pvt. Ltd.	15-B, S.V.Co-Op.Indl. Estate	I.D.A. Phase I,	Jeedimetla	Hyderabad-500 055

BPCL RESERVES THE RIGHT TO AMEND THE LIST OF VALVE SUPPLIERS.

L.P.G. D - 015 AB

LETTERING COLOUR: - BLACK, SHADE - 521 AS PER IS: 5: 2004

डिलिवरी लेते समय
सील की जांच करें
CHECK SEAL
ON DELIVERY



* LETTER DIMENSIONS REVISED



भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
BHARAT PETROLEUM CORPORATION LTD.

SUBJECT:

DETAILS OF STENCILING OF SAFETY
SLOGAN ON LPG CYLINDER

SCALE N.T.S.
DATE 1-12-93

DRAWN
DATE

[Signature]

CHECKED

[Signature]

2.5.94 LPG D-015 AB

DATE DRAWING NO.
NUMBERS CROSSED OUT
ARE SUPERSEDED
DRAWINGS

DRAWING NO.
LPG D-015 AB

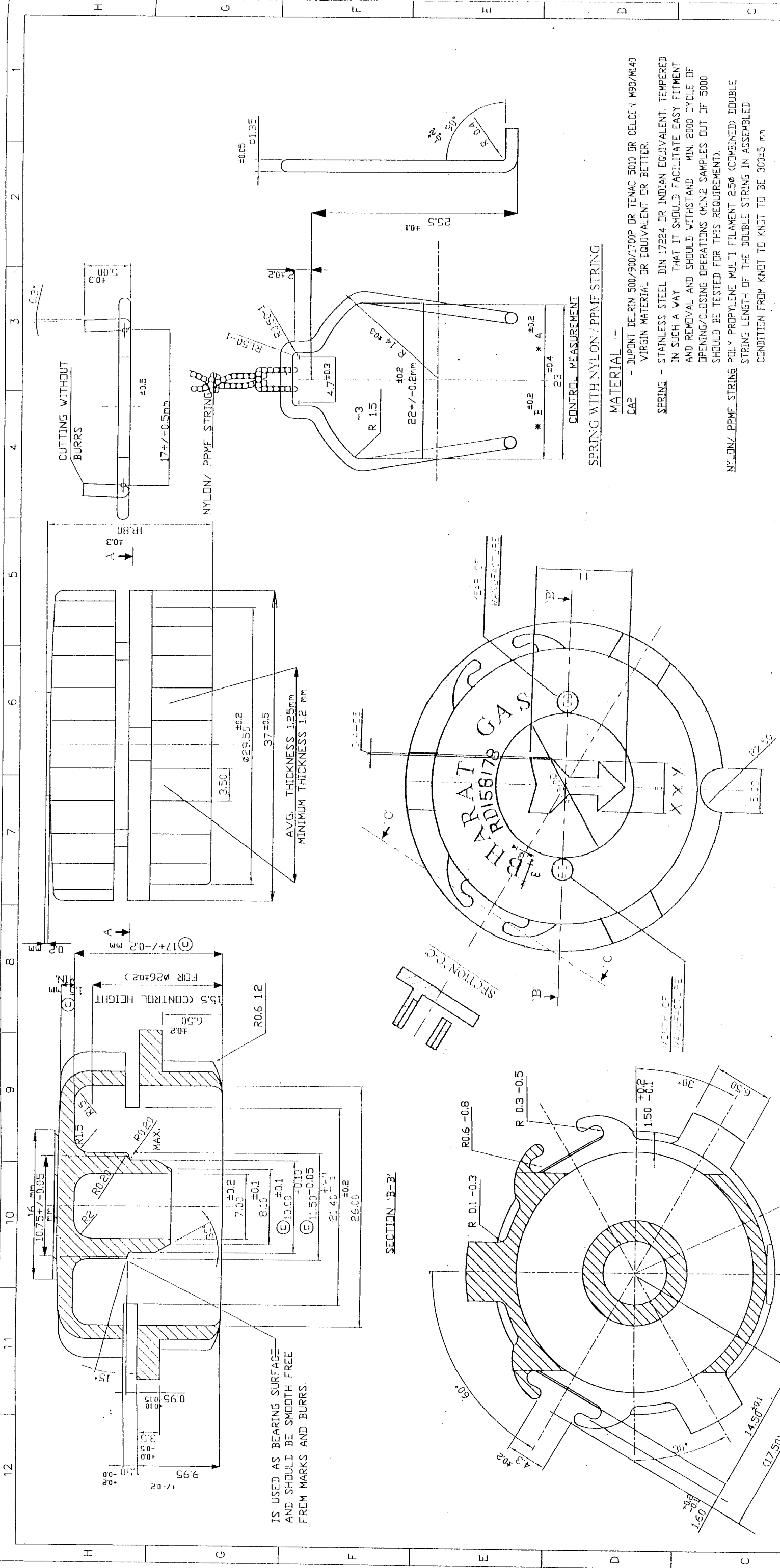
L.P.G. D - 014 AB


उपयोग न होने पर
रेगुलेटर बन्द कर दें
SWITCH OFF
REGULATOR
WHEN NOT IN USE

LETTERING COLOUR: - BLACK, SHADE - 521 AS PER IS: 5: 2004

* LETTER DIMENSIONS REVISED

		भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड BHARAT PETROLEUM CORPORATION LTD.	
SUBJECT:		2.5.94 LPG D-014AB	
DETAILS OF STENCILING OF SAFETY SLOGAN ON LPG CYLINDER		DATE	DRAWING NO.
SCALE N. T. S.	DRAWN <i>[Signature]</i>		
DATE 1-12-93	CLEM <i>[Signature]</i>	NUMBERS CROSSED OUT ARE SUPERSEDED DRAWINGS	
		DRAWING NO.	LPG D-014AB

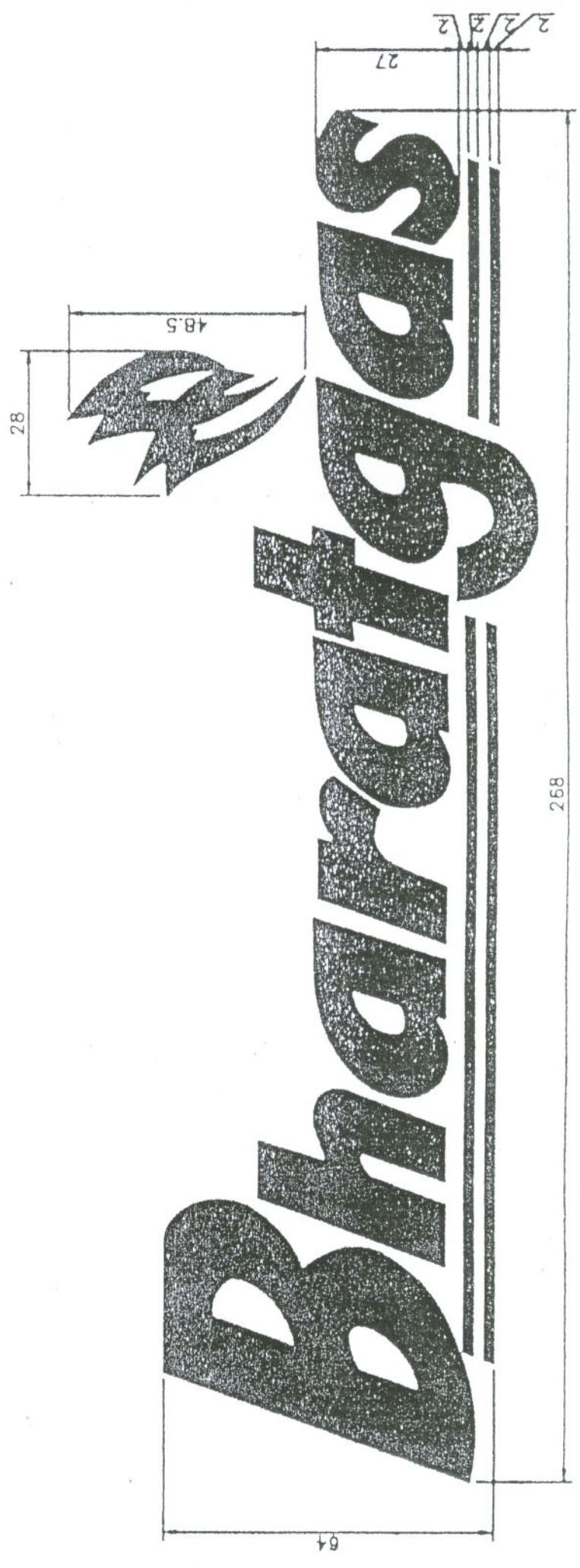
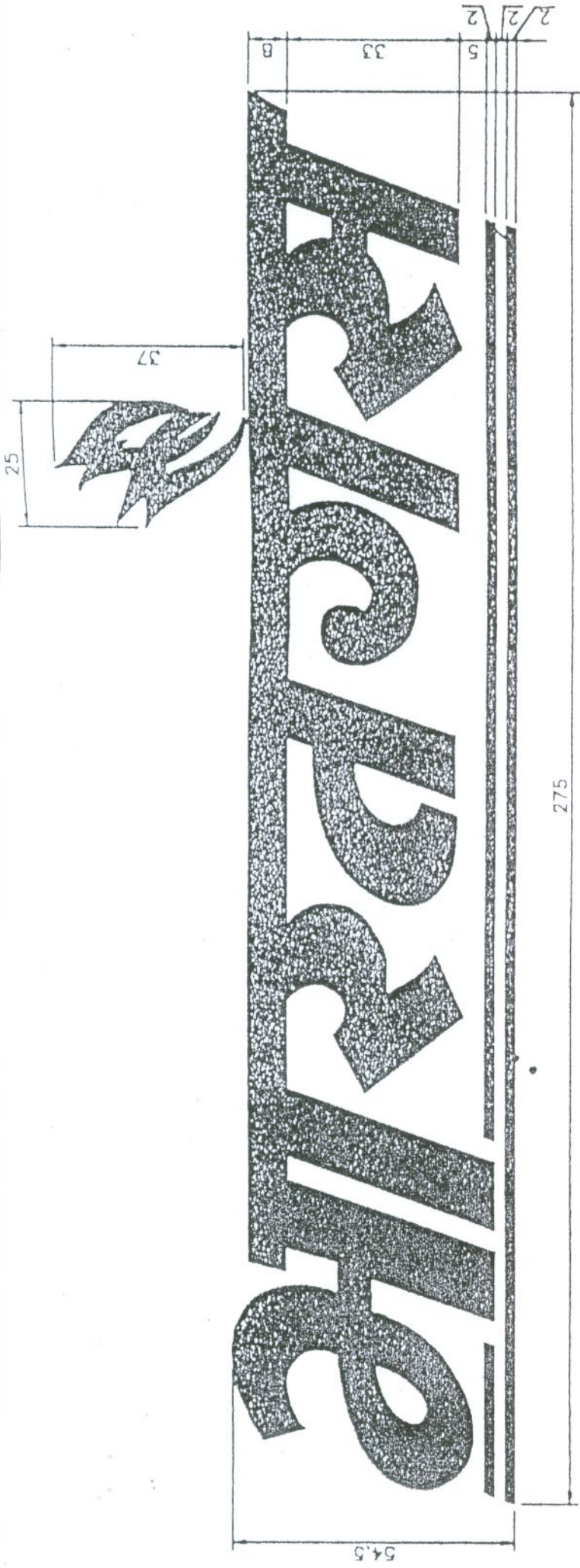


 भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड BHARAT PETROLEUM CORP.LTD.	
SUBJECT	
SAFETY CAP FOR S.G. VALVE (O.D. 25.6mm)	
SCALE-5:1, 2:1	CHECKED: SANJAY PHULLI
DATE: 14.06.07	APPROVED BY: I. T. GEORGE
14.06.07	DATE
MINIMUM THICKNESS OF TOP AND SHELLY TOLERANCE DOUBLE KNOT FOR STRING, NOTES REVISION	DRAWING No.
1	REV. 0

NOTES:- 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED. 2. PIECES SHALL BE FREE FROM BURRS AND SHARP EDGES. 3. THIS IS A REGISTERED BPCL DESIGN NO. 156178 IT. 30-3-87 EACH PIECE TO BE MARKED WITH R158178 ON THE TOP FACE. 4. MANUFACTURER'S IDENTIFICATION MARK TO BE PUT ON THE TOP FACE XXX IS A TYPICAL IDENTIFICATION. 5. EACH CAP SHOULD CLEARLY INDICATE CAVITY No. TO FACILITATE IDENTIFICATION. 6. SAFETY CAP SHALL WITHSTAND PNEUMATIC PRESSURE OF 17kg/cm ² 7. THE WEIGHT OF CAP SHOULD BE 7.6 gm WITHOUT SPRING, AND NYLON / PPMF STRING. (Minimum)	
SECTION A-A 9. SS SPRING HOUSING GROOVE SHOULD BE CONTINUOUS TILL BOTTOM TO MAINTAIN FLAT SURFACE FOR SPRING OPERATION. 10. ARROW MARK ON THE TOP SHALL BE VISIBLE SHALLOW PROJECTION. 11. STRING KNOT AT 'Y' IS FUSED OR DOUBLE KNOT SHALL BE PROVIDED ENSURING THAT THEY DO NOT OPEN IN ANY CIRCUMSTANCES 12. THE 'C' MARK INDICATE THE CRITICAL DIMENSIONS WHICH DECIDES THE ACCEPTANCE/REJECTION OF THE SAMPLE.	

CONTROL MEASUREMENT
 SPRING WITH NYLON / PPMF STRING


MATERIAL:-
 CAP - DUPONT DELRIN 500/900/1700P OR TENAC 5010 OR CELCON M30/M40 VIRGIN MATERIAL OR EQUIVALENT OR BETTER.
 SPRING - STAINLESS STEEL DIN 17224 OR INDIAN EQUIVALENT, TEMPERED IN SUCH A WAY THAT IT SHOULD FACILITATE EASY FITMENT AND REMOVAL AND SHOULD WITHSTAND MIN. 2000 CYCLE OF OPENING/CLOSING OPERATIONS (MIN 2 SAMPLES OUT OF 5000 SHOULD BE TESTED FOR THIS REQUIREMENT).
 NYLON/ PPMF STRING POLY PROPYLENE MULTI FILAMENT 2.5φ (COMBINED) DOUBLE STRING LENGTH OF THE DOUBLE STRING IN ASSEMBLED CONDITION FROM KNOT TO KNOT TO BE 300±5 mm



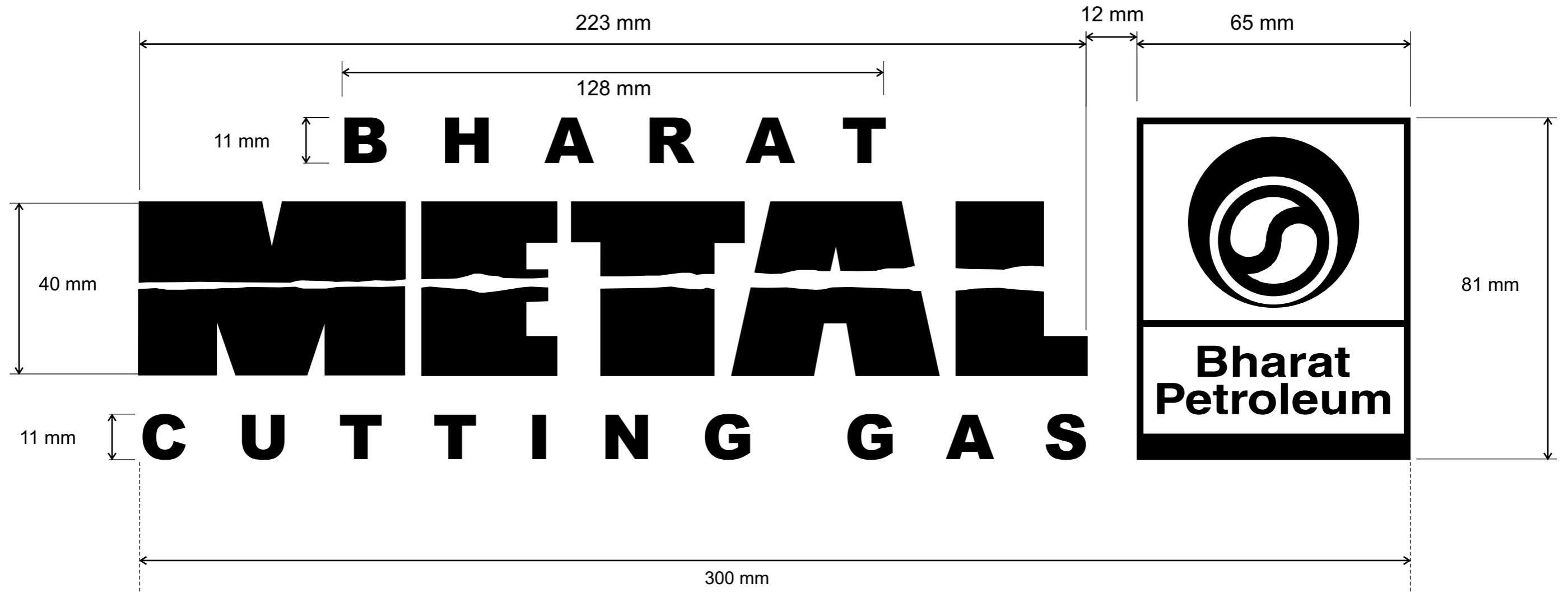
NOTE :-

- 1) FOR LOGO DRAWING ALL CYLINDER DESPATCHES TO THE STATES OF KARNATAKA, ANDHRA PRADESH, TAMIL NADU & KERALA SHOULD BE WITH LOGO IN ENGLISH ON TWO OPP. SIDES. DESPATCHES TO ALL OTHER STATES SHOULD BE WITH LOGO IN HINDI ON ONE SIDE AND IN ENGLISH ON THE OTHER SIDE.
- 2) ALL DIMENSIONS ARE IN mm.

Colour: No.: 356 Golden Yellow - As Per IS 5 : 1994


 Bharat Petroleum Corp. Ltd.				
		BHARAT GAS LOGO		
CHIEF LPG EQPT. MANAGER		DATE	DRG. NO.	
Checked	APPR.	1 1 1		
Approved	10/11			

ACTUAL SIZE LOGO OF 'Bharat metal cutting gas' to be painted on 19 kg cylinders.

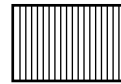
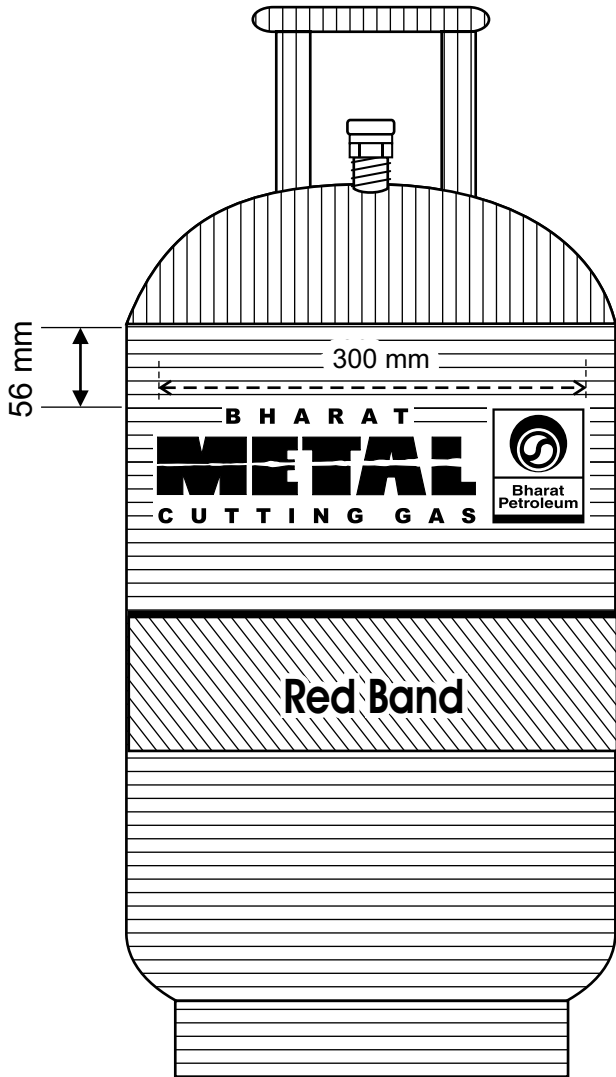


Overall Height : 81 mm • Overall length : 300 mm

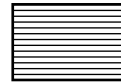
COLOUR : GOLDEN YELLOW

		Bharat Petroleum Corporation Ltd.			
Subject					
(Bharat cutting gas LOGO on 19 kg Cylinder)					
SCALE - 1:1	DRAWN	TRACED	CHECKED	DRAWING NO.	
DATE	LPG EQPT. DEPT.			LPG : EQ : CYL : LOGO - B REV 1	

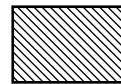
19 kg




Golden yellow (Shade No. : 356)
As per IS5:2004

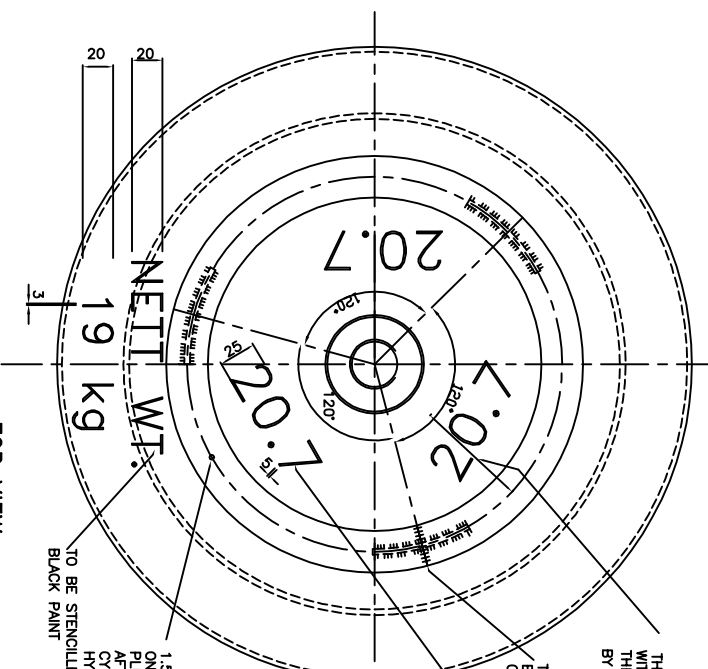


Bus Green (Shade No. : 299)
As per IS5:2004



Signal Red (Shade No. : 537)
As per IS5:2004

		Bharat Petroleum Corporation Ltd.			
Subject					
(Bharat cutting gas LOGO on 19 kg Cylinder)					
SCALE - 1:1	DRAWN	TRACED	CHECKED	DRAWING NO. LPG : EQ : D190.1 REV 1	
DATE	LPG EQPT. DEPT.				

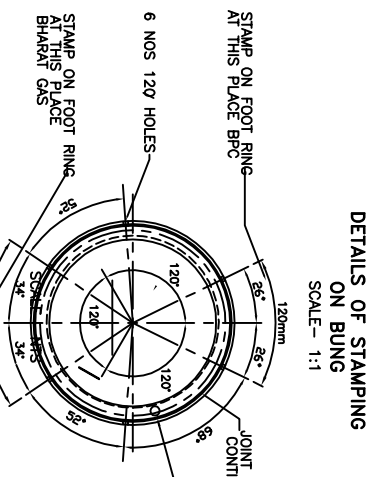


TOP VIEW
SCALE - 1:2

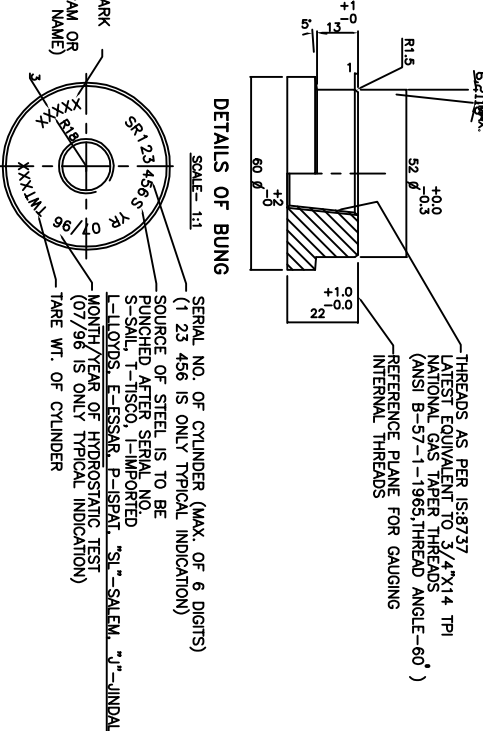
THIS AREA WITHIN THE SHOULD SHALL BE PAINTED WITH YELLOW ENAMEL (SHADE NO. 355) AFTER THE BODY IS PAINTED IN COLOUR AS DECIDED BY THE COMPETENT AUTHORITY.

THE V.P. RING JOINT WELD SHOULD BE POSITIONED AT APPROXIMATE CENTRE OF ONE OF THE STAY PLATES

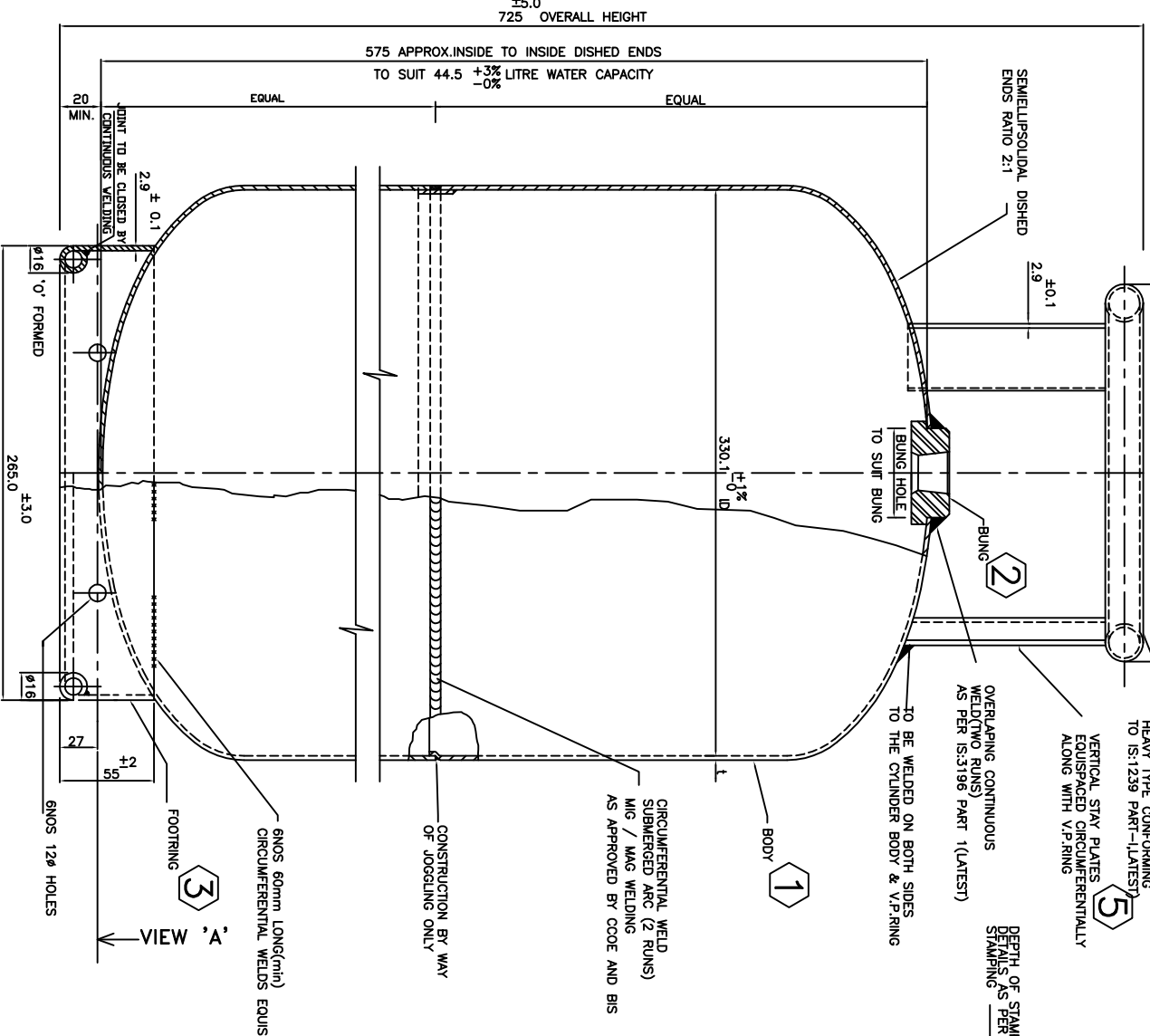
TARE WEIGHT TO BE STENCILED IN BLACK PAINT ON THREE EQUISPACED LOCATIONS (20.7 IS ONLY A TYPICAL INDICATION)



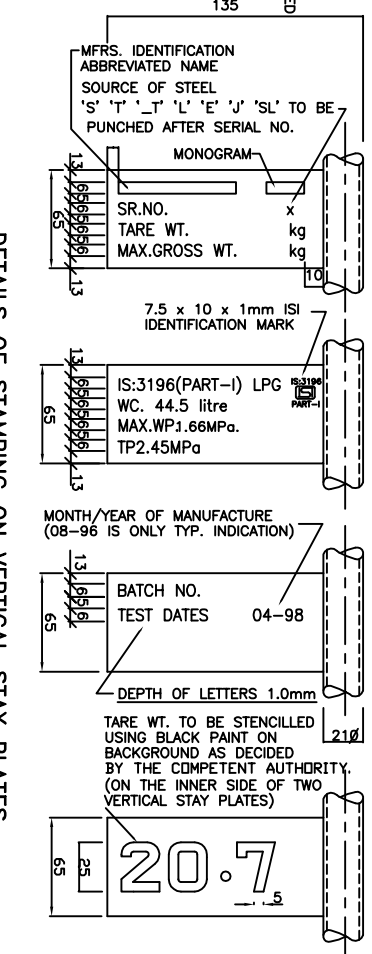
DETAILS OF STAMPING ON BUNG
SCALE - 1:1



LOCATION OF 120 HOLES AND STAMPING ON FOOT RING
VIEW - A

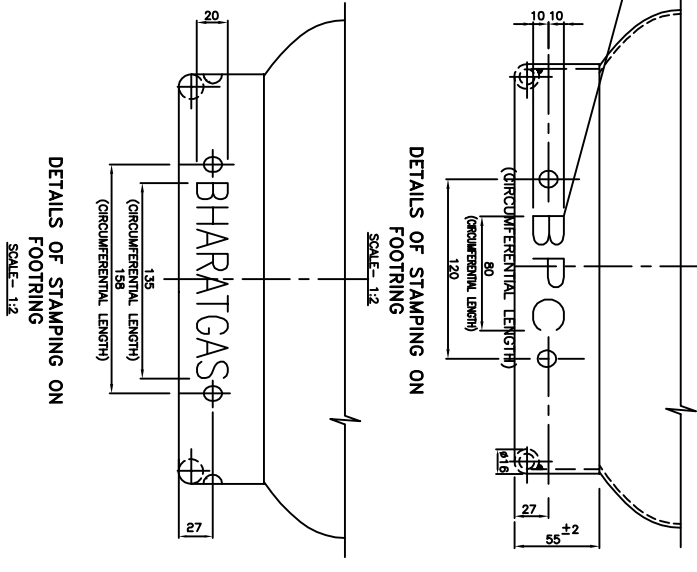


HALF SECTIONAL VIEW (SCALE 1:2)



DETAILS OF STAMPING ON VERTICAL STAY PLATES

DETAILS OF STAMPING ON FOOTRING
SCALE - 1:2



GENERAL NOTES :-

1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE SPECIFIED.
2. CYLINDER TO BE DESIGNED/MANUFACTURED & TESTED AS PER IS-3196(PART-1) LATEST REVISION.
3. V.P. REPRESENTS MINIMUM FINISHED WALL THICKNESS. THE THICKNESS OF STEEL SHEET FOR MANUFACTURE OF BODY SHALL BE 2.9 +/- 0.1 mm
4. 44.5 LITRE WATER CAPACITY OF THE CYLINDER CORRESPONDS TO A MAXIMUM FILL OF 19 KG OF LPG WITH VAPOUR PRESSURE OF 1.66MPa AT 65°C.
5. THE WELD SURFACE SHALL HAVE A SMOOTH FINISH AND BE FREE FROM UNDERCUTS.
6. ALL SYNTHETIC ENAMEL PAINTS USED SHALL BE IN CONFORMANCE WITH IS:2932-1974.
7. THE ENTIRE SURFACE OF CYLINDER INCLUDING V.P. RING & FOOT RING TO BE GRIT BLASTED AND GIVEN THE FOLLOWING TREATMENTS IN THE SEQUENCE GIVEN BELOW:-
 - a. SPRAYING WITH METALLIC ZINC TO GIVE A ZINC LAYER OF MIN. 40 MICRON THICKNESS. ZINC WIRE USED SHOULD BE CONFIRMING TO IS: 12447.
 - b. ONE COAT OF EPOXY RED OXIDE PAINT AS PER IS:2932-1974 WITH MINIMUM PIGMENT CONTENT OF 25% COLOUR SHALL BE AS APPROVED BY COMPETENT AUTHORITY. COAT THICKNESS OF PAINT SHALL BE MIN 20 MICRONS.
 - c. ALTERNATIVELY CYLINDERS SHALL BE POWDER COATED AS PER IS:3871. THE COAT THICKNESS SHALL BE MINIMUM 30 MICRONS. THE COAT THICKNESS MEASUREMENT SHALL BE DONE IN ACCORDANCE TO THE PROCEDURE AS DESCRIBED UNDER 22.2 OF IS 3196 (part 1); 2006. SUFFICIENT DRYING TIME SHALL BE GIVEN TO ALL THE COATS.
8. MAX. GROSS WT. TO BE PUNCHED ON STAY PLATE TAKING INTO ACCOUNT THE NET WT. OF LPG AS 19.0 kg. VARIOUS TYPE OF STEEL I.e. IS:6240 LATEST.
9. THE MANUFACTURER MUST OBTAIN APPROVAL FROM C.C.O.E.,MANGUR FOR THE CALCULATION FOR V.P. FOR VARIOUS TYPE OF STEEL I.e. IS:6240 LATEST.
10. ALL HAND STAMPING ON STAY PLATES TO BE OF 6mm SIZE AND ON BUNG OF 3mm SIZE.
11. SYNTHETIC ENAMEL NOT TO BE APPLIED ON BUNG.
12. SAFETY SLOGANS AS PER DRAWING NOS. LPG D 014A & LPG D 015A TO BE PROVIDED ON THE SHOULDER OF THE CYLINDER.
13. ECCENTRICITY OF V.P. RING WITH RESPECT TO THE CENTER LINE OF THE BODY OF THE CYLINDER SHALL NOT BE MORE THAN 3MM.
14. IS:1 LOGO ON STAYPLATE NO. 2 SHOULD BE LEGIBLE & ITS SIZE SHOULD NOT BE CHANGED.
15. TOP PORTION OF THE CYLINDER UP TO A HEIGHT OF 210 mm STARTING FROM THE TOP COVERING V.P. RING.
16. STAY PLATES & PART OF THE CYLINDER BODY BE PAINTED WITH YELLOW COLOUR. (SHADE 356 AS PER IS. 3196). THE BLS LUENCE NO IS TO BE EMBOSSED ON THE FOOTING OF THE CYLINDERS. THE SIZE & DEPTH OF THE SHALL BE SAME AS THAT OF THE STAY PLATE MARKINGS & SHALL BE LOCATED BETWEEN ANY TWO VENT HOLE
17. THE FOOTING EXCEPT BETWEEN TWO VENT HOLES WHERE OIL COMPANY MARKING ARE STAMPED.
18. DEPTH OF LETTERS IN ALL STAMPINGS SHALL BE 1 MM.
19. COMMERCIAL CYLINDERS SHALL BE PAINTED AS PER DWG NO. LPG. EQ. D190.1 REV 1 AND LOGO TO BE SCREEN PRINTED AS PER DWG NO. LPG. EQ. D190.1 REV 1.
20. COLOUR CODING OF INSIDE PORTION OF ONE VERTICAL STAYPLATE FOR RETESTING IS AS FOLLOWS:-

BACKGROUND COLOUR	SPEC FOR SHADE	LETTERING COLOUR	YEAR OF MFG.	YEAR OF RETEST
BUS GREEN	299	WHITE	2009	2019
BLACK	521	WHITE	2010	2020
YELLOW	355	BLACK	2011	2021
WHITE	127	BLACK	2012	2022
SEA GREEN	217	BLACK	2013	2023
DOVE GREY	694	BLACK	2014	2024
AIR CRAFT BLUE	108	WHITE	2015	2025
SALMON PINK	443	BLACK	2016	2026
INDIA BROWN	415	WHITE	2017	2027
SATTIN BLUE	177	BLACK	2018	2028

HOWEVER THE SUBSEQUENT RETESTING WILL BE AFTER A PERIOD OF 5 YEARS.

JAN-MAR - A APR-JUN - B JUL-SEPT - C OCT-DEC - D

THE QUARTER AND THE YEAR OF NEXT TESTING AFTER 10 YEARS TO BE STENCILED ON PAINTED SURFACE e.g., FOR THE CYLINDER MANUFACTURED IN JAN '09, THE STENCIL MARKING ON THE STAY PLATE WOULD BE A19-DIMENSIONS AS PER

ITEM	DESCRIPTION	QTY	IS CODE	MATERIAL SPEC
1	BODY	1	6240	2.9 +/- 0.1 MM (t=2.50 MM)
2	BUNG (FORGED)	1	3196 (PART 1) or 1875 or 2062	3 +/- 0.25 MM
3	FOOTRING	1	3196 (PART 1) or 1079	---
4	VALVE PROTECTION RING	1	BLACK STEEL TUBE HEAVY TYPE (15 NB) I239 (PART 1)	OD = 21.8 TO 21.0, MIN THICK 3.2 MM MIN WT 830GM / PC
5	VERTICAL STAY PLATE	3	3196 (PART 1)	2.9 +/- 0.1 MM

HEAT TREATMENT PARAMETERS			
TEMPERATURE	GATE OPENING INTERVAL	FURNACE TYPE	FURNACE CAPACITY
+/ - C			

WELDING PARAMETERS			
VOLTAGE	CURRENT	WELDING SPEED	FLUX TYPE (FOR SMAW)

WELDING PARAMETERS			
GAS FLOW RATE	WELDING WIRE MATERIAL	WELDING WIRE SIZE	C - WELDING

BHARAT PETROLEUM CORPORATION LTD.

HIGH RVP LPG CYLINDER

WATER CAPACITY 44.5 LITRE

SCALE : N.T.S

DATE : 10.08.2009

DRAWN : VARUN SINGH

CHECKED : SANJAY PHULLI

APPROVED BY : J VEDAGIRI

DRAWING NO. : LPG EQ D190 B

Rev 1

19 kg



Golden Yellow

(Shade No. 356 As per IS5:2004)



Oxford Blue

(Shade No. 105 As per IS5:2004)



Signal Red

(Shade No. 537 As per IS5:2004)



**BHARAT PETROLEUM
CORPORATION LTD.**

SUBJECT

18.08.06 Revised colour scheme

COLOUR SCHEME 19 kg

DATE DRAWING NO.
NUMBERS CROSSED
ARE SUPERSEDED
DRAWINGS

SCALE M. T. S.

DRAWN BY TRACED CHECKED

DATE 18.08.06

LPG EQUIP. DEPT.

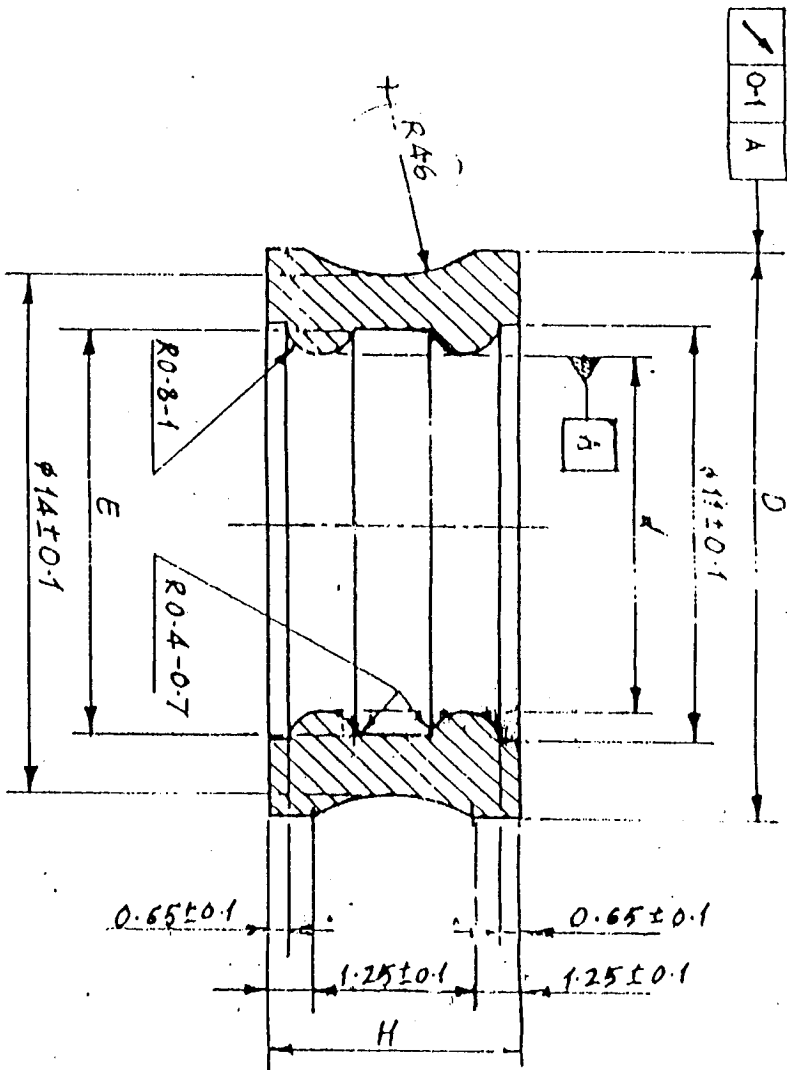
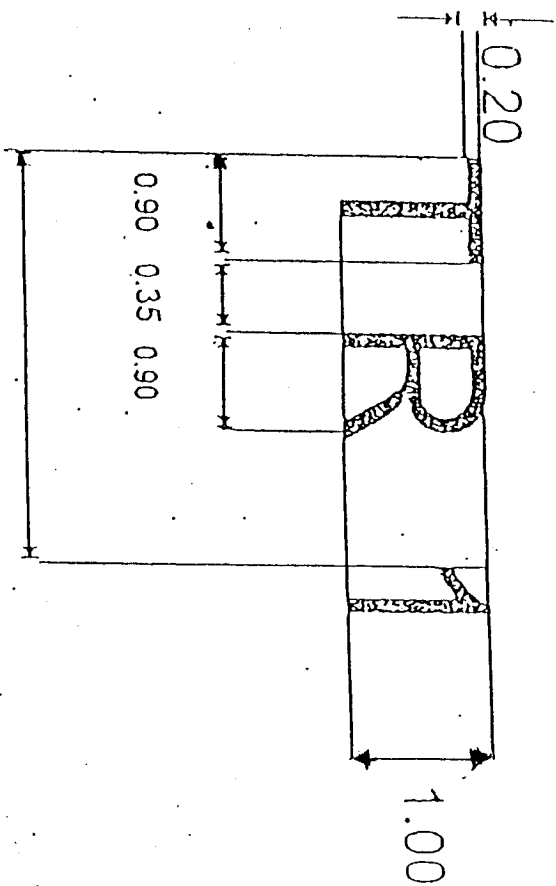
[Signature]

DRAWING NO.

LPG: EQ: D190.2

DETAILS OF MARKING (INNER SIDE OF O-RING)

1. Height of embossing = 0.15 mm.
2. Manufacturer's Logo & manufacturing details to be embossed on the inner groove formed between $\phi 9.35 \pm 0.05 / 0.1$ mm & in the following format :
 ----- / ----- A B / ----- A B
 Logo Pin No Year (A for first six months & B for Second . The pin can be used for two consecutive years, keeping the first year marking legible)
3. The marking dimensions should be as given below:-



DIMENSIONAL CONTROL

	D	d	H	E
IN FREE CONDITION	$\phi 15.3 \pm 0.1$	$\phi 9.35 \pm 0.05$	6.7 ± 0.1	
WHEN MEASURED IN A RING OF $\phi 15.2$ mm		$\phi 9.3 \pm 0.05$		$\phi 10.85 \pm 0.1$

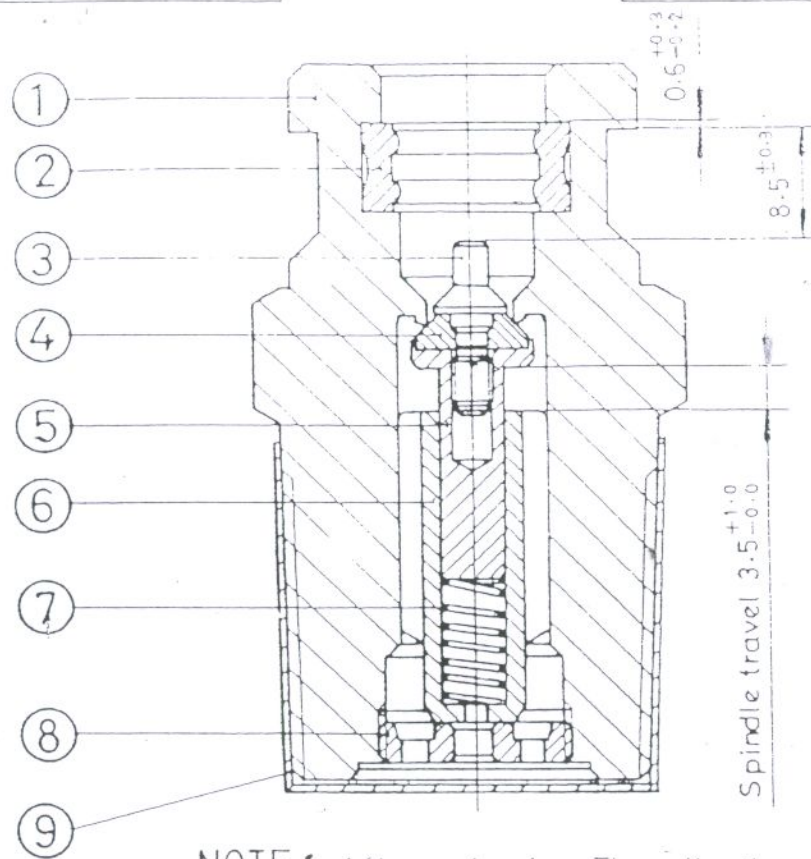
ALL DIMENSIONS ARE IN MM.
 THE WORK-PIECE SHOULD BE FREE FROM CASTING COAT.

- NOTE : 1) MATERIAL : NITRILE RUBBER
 2) THE JOINT PACKING SHOULD BE FREE FROM FINS, MOULDING DEFECTS, POROSITY, PITS AND FOREIGN PARTICLES AND SHALL HAVE A NON-TACKY SURFACE.
 3) THE JOINT PACKING SHALL CONFORM TO ALL THE REQUIREMENTS OF IS : 8737 (PART II) LATEST AND TECHNOLOGY ON TEKNOVA DESIGN S. C. VALVES.

REVISION DRG. NO.	DATE	ZONE OR PART	BRIEF RECORD	INITIALS	SCALE	DRAWN BY	TRACED	CHECKED	DRAWING NO.
REVISIONS									24226-B
SUBJECT									24226-A
JOINT PACKING FOR SELF CLOSING									24226
LPG VALVES									
DATE : 05-01-05									
SRIPS EQUIPMENT MANAGER									
Bharat Petroleum Corporation Ltd.									
Bharat Petroleum Corporation Limited									
DATE : 05-01-05									
SRIPS EQUIPMENT MANAGER									
DRAWING NO. 24226-B									
DATE : 05-01-05									
DRAWING NO. 24226-A									
DATE : 25-4-85									
DRAWING NO. 24226									
NUMBERS CROSSED OUT ARE SUPERSEDED DRAWINGS									

ALL DIMENSIONS ARE IN MM.

Revision No. 2 3 4 5

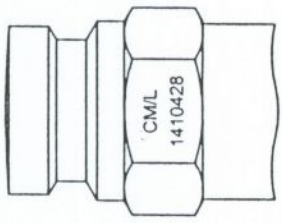


NOTE : After crimping, The adjusting screw should not open to 5 kp cm torque.

9	Protection Cap	L.D.P.E	201-09-4	1
8	Adjusting Screw	Free cutting Brass	201-08-3	1
7	Valve Spring	Stainless Steel	201-07-3	1
6	Spindle Guide	Delrin 500	201-06-3	1
5	Valve Spindle	Free cutting Brass	201-05-4	1
4	Rubber Gasket	Nitrile Rubber	201-04-4	1
3	Over Spindle	Free cutting Brass	201-03-4	1
2	Joint Packing	Nitrile Rubber	201-02-4	1
1	Valve Housing	Forged Brass	201-01-3	1
Sl.No.	Description	Material	Drg.No.	Qty.

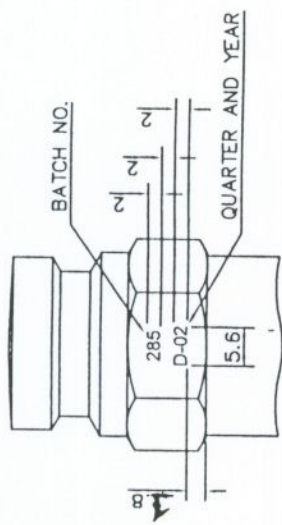
UNCONTROLLED COPY

VALVE ASSY. (Ø 25.6 mm SCV)	SCALE	DRAWN	16-3-96	MATERIAL
	—	CHECKED	16-3-96	
	—	APPR.	16-3-96	



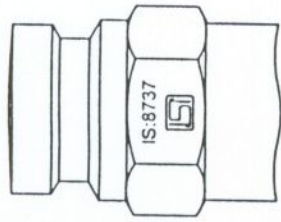
FACE 1.

FLAT1: CM/L 1.6mm } LICENCE NUMBER
 1023724 1.6mm }



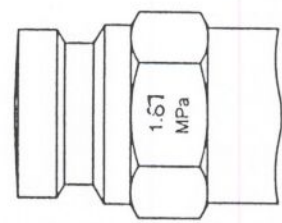
FACE 2.

FLAT2: QUARTER AND YEAR OF MANUFACTURING/BATCH NUMBER: LETTER/NOS HEIGHT WILL BE 2mm WITH A GAP OF 2mm BETWEEN LINE AS PER YOUR NEW DRAWING



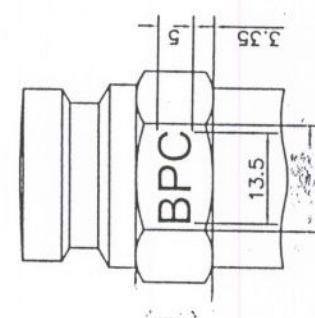
FACE 3.

FLAT3: IS:8737 1.6mm
 ISI MARK AS PER BIS STANDARD (5.0*3.8mm)



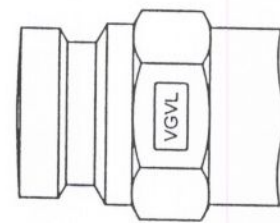
FACE 4.

FLAT4: 1.67Mpa 1.6mm



FACE 5.

FLAT5: IDENTIFICATION MARK OF OIL COMPANY'S EX. BPC LETTER HEIGHT 5mm

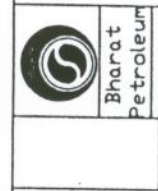


FACE 6.

FLAT6: IDENTIFICATION MARK OF MANUFACTURER

NOTE:-

DIMENSIONS GIVEN ARE FOR HT. OF LETTERS DEPTH OF STAMPING 0.5mm (Min.)



BHARAT PETROLEUM CORPORATION LTD.

SUBJECT

VALVE MARKING
 BHARAT PETROLEUM CORPORATION LTD.

SCALE AS SHOWN DRAWN TRACED CHECKED
 DATE 12.03.2003 LPG EQPT. DEPT.

DATE DRAWING No.
 NUMBERS CROSSED OUT ARE SUPERSEDED DRAWINGS
 DRAWING NO: VALVE A 1