



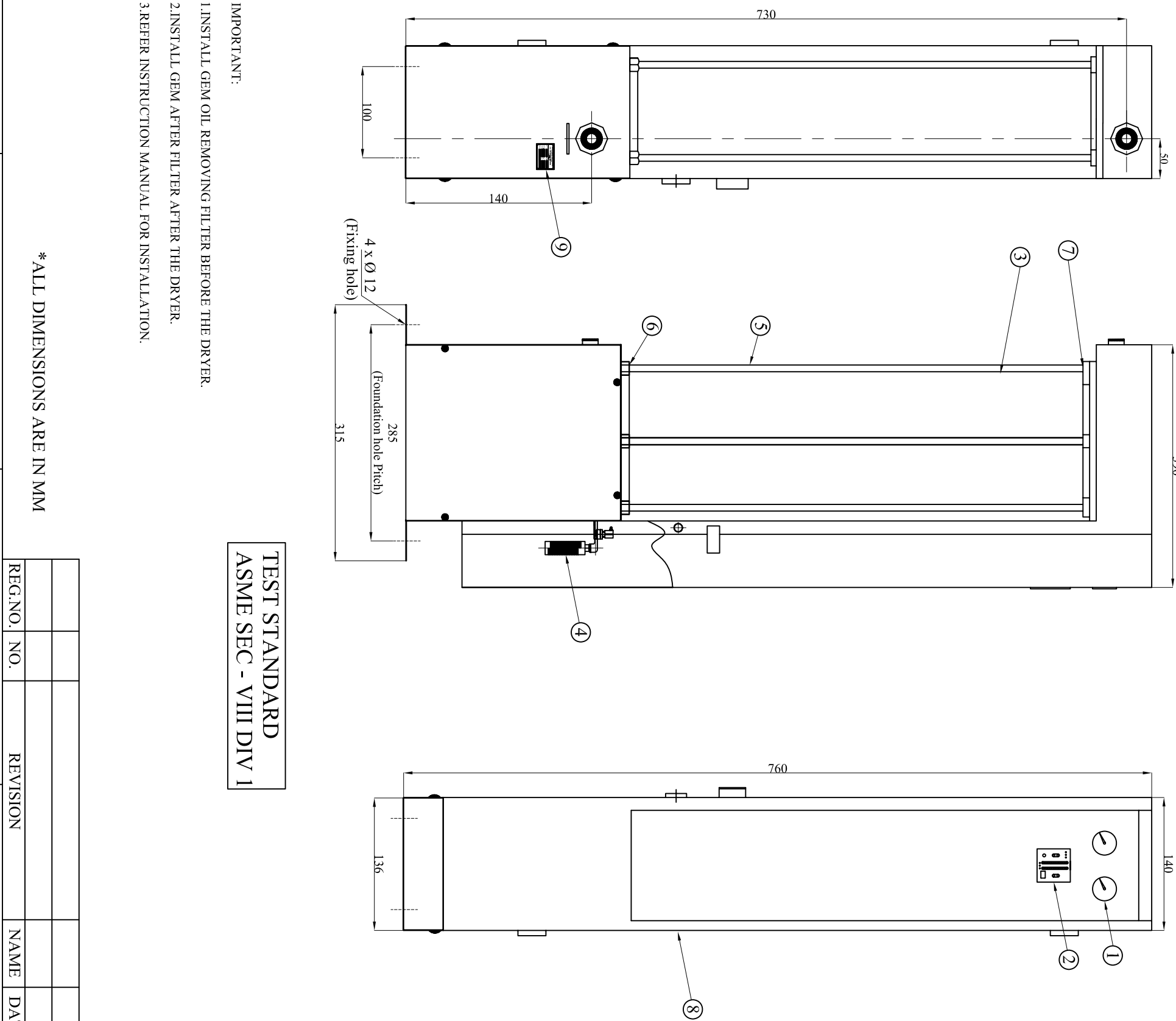


DIMIN	OVER	-	6	30	120	315	1000	2000	>4000	ROUGHNESS SYMBOL												
	UP TO & INCL	6	30	120	315	1000	2000	4000		ROUGHNESS VALUE Ra μm	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
	TOLERANCE	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2			± 3	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25

F/DSN/002



TEST STANDARD  
ASME SEC - VIII DIV 1

- IMPORTANT:
1. INSTALL GEM OIL REMOVING FILTER BEFORE THE DRYER.
  2. INSTALL GEM AFTER FILTER AFTER THE DRYER.
  3. REFER INSTRUCTION MANUAL FOR INSTALLATION.

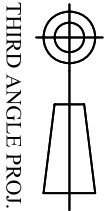
\* ALL DIMENSIONS ARE IN MM

REG. NO.	NO.	REVISION	NAME	DATE

### SPECIFICATION

- |                       |                           |
|-----------------------|---------------------------|
| 1. FLUID              | : AIR                     |
| 2. INLET CONDITION    |                           |
| FLOW RATE             | : 15 cfm                  |
| TEMPERATURE           | : 45°C                    |
| PRESSURE              | : 7-12.5 kg/cm²(g)        |
| RELATIVE HUMIDITY     | : 100 %                   |
| 3. OUTLET CONDITION   |                           |
| FLOW RATE             | : 13.5 cfm                |
| TEMPERATURE           | : 45°C                    |
| PRESSURE DROP         | : 0.2 kg/cm²(g)           |
| DEW POINT             | : -40°C Activated alumina |
|                       | : -60°C molecular sieves  |
| 4. DESIGN PRESSURE    | : 14 kg/cm²(g)            |
| 5. MAX INLET PRESSURE | : 12.5 kg/cm²(g)          |
| 6. DESIGN TEMPERATURE | : 50°C                    |
| 7. JOINT EFFICIENCY   | : 70% (panel box)         |
| 8. TEST DATA          |                           |
| HYD TEST PRESSURE     | : 21 kg/cm²(g)            |
| MEDIUM                | : WATER                   |
| TEMPERATURE           | : AMBIENT(25°C)           |
| DURATION IN MIN       | : 30                      |
| AXIS                  | : VERTICAL                |
| 9. ELECTRICAL         | : 230v, 1Ph, 50Hz         |
| 10. MODEL VARIENT     | : A - Activated alumina   |
|                       | : B - Molecular sieves    |

9.	NAME PLATE	1	750306	0	
8.	PANEL BOX	1	6744 02	0	ASME SA1008
7.	OUTLET FLANGE	1	6744 20	0	ASME SB 221 / A6063
6.	INLET FLANGE	1	6744 19	0	ASME SB 221 / A6063
5.	TIE ROD	6	6931 12	1	ASME SA479
4.	SILENCER	1	6943 03	0	ASME SB211 / A2024
3.	TOWER	2	6744 21	0	ASME SB 221 / A6063
2.	TIMER	1		0	EN 61010-1 : 2001 / EN 61326-1 : 1997
1.	PRESSURE GAUGE	2		0	IS 3624 : 1997
S.NO	DESCRIPTION	QTY	DRG NO	REV NO	MOC



THIRD ANGLE PROJ.

**GEM EQUIPMENTS LTD**  
**COIMBATORE-641 407**

DRAWN  
SAKTHI

CHECKED

APPROVED

DATE  
10.10.10

TITLE

GA DRAWING AIR DRYER  
SPD 15

SIZE DWG. NO.  
A3 6935 02

SCALE : NTS SHEET 1 OF 1

REV  
0

1

2

3

4

5

FILE:D:\SPD\DRAWINGS\6935 02

1

2

3

4

5

6

PED 97 / 23 / EC .CATAGORY : IV