



IMPIANTI LIQUEFAZIONE E PRODUZIONE GAS TECNICI

**21 years of Excellence**

*(Certified ISO 9001:2000 Company and CE)*

**Universal Industrial Plant Mfg. Co. (P) Ltd.**



## ***LIQUID OXYGEN GENERATORS***

***ING.L&A BOSCHI ITALY***



FLOW SCHEMATIC DIAGRAM

BOSCHI ITALY BRAND LIQUID OXYGEN GENERATORS

***1.LATEST TECHNOLOGY***

***2.COMPACT DESIGN***

***3.EASY TO OPERATE***

***4.PRACTICALLY ZERO MAINTENANCE.***

***5.LOW POWER COSUMPTION***

***6.AIR SEPARATION LIQUID TECHNOLOGY.***

***7. SKID MOUNTED.***

***8.HIGH PURITY OF OXYGEN >99,6%.SUITABLE FOR MEDICAL/HOSPITAL AND INDUSTRIAL USES.***



**9. LIQUID OXYGEN PUMP (OPTIONAL) CAN BE ADDED FOR DIRECT COMPRESSION OF OXYGEN IN CYLINDERS.**

**10. SINGLE ELECTRIC PANEL.**

**12. CYLINDER FILLING STATION (OPTIONAL)**

**13. HEAVY DUTY COMPRESSOR FOR 24 HOUR OPERATION.**

**14. VERY LONG LIFE AND HIGH QUALITY OXYGEN AS COMPARED TO STERLING AND OTHER OLD TYPE DESIGNS.**



We manufacture **oxygen plants and nitrogen plants** as per the latest technology & design of the Company **ING. L. & A., BOSCHI, ITALY**. This technology has been proven all over the world for its working efficiency & trouble free operation. The AIR SEPARATION COLUMN of BOSCHI has state of the art distillation trays, SPECIAL HIGH EFFICIENCY exchangers condenser to get a high yield of Oxygen by separation of Liquid Air, which results in very low pressure & low power consumption.

#### Salient Features

- ▣ Quick start for fast cooling
- ▣ **Very simple to operate**
- ▣ **No raw material is required**
- ▣ **Trouble free operation for years (German design)**

- ▣ Stainless Steel Air Separation Column (optional)
- ▣ Skid Mounted Version available
- ▣ Oversize Molecular Sieve Dryer





**LIQUID OXYGEN GENERATORS FOR FILLING 100% HIGH QUALITY LIQUID OXYGEN IN TANKS**



**CRYOGENIC STORAGE TANKS**

Cryogenic Vessels are designed for storage and transport of liquid gases at sub-zero temperatures. Manufacturing of such cryogenic tanks requires special technical know how and sophisticated fabrication techniques. Universal has developed the necessary technology and has been manufacturing these cryogenic equipment like cryogenic vessels since last seven years. THE LIQUID OXYGEN FROM THE LIQUID OXYGEN GENERATOR CAN BE STORED IN CRYOGENIC LIQUID OXYGEN TANKS.

TECHNICAL SPECIFICATIONS						
S. NO	MODEL	UBL 10	UBL 20	UBL 30	UBL 40	UBL 50
1	CAPACITY (Product Options)  A. OXYGEN LIQUID 100%	liquid-gas/ltrs-hrs.  10	liquid-gas/ltrs-hrs.  20	liquid-gas/ltrs-hrs.  30	liquid-gas/ltrs-hrs.  40	liquid-gas/ltrs-hrs.  50
2	PURITY	99.6 %	99.6 %	99.6 %	99.6 %	99.6 %
3	POWER CONNECTED	50KW	60 KW	65KW	85 KW	100 KW
4	POWER SUPPLY	380-440Volts	380-440 Volts	380-440Volts	380-440 Volts	380-440Volts
9	STARTING TIME ( AFTER DEFROST /WARM CONDITIONS)	7 Hours.	6 Hours.	6 Hours.	5 Hours.	5 Hours.
10	STARTING TIME (AFTER TRIPPING)	40 Mts.	20 Mts.	20 Mts.	20 Mts.	20 Mts.



11	AREAS REQUIRED (A x B)	8MX12M	14MX15M	14MX15M	14MX15M	14MX15M
12	ASSEMBLY HEIGHT	6 M	6.5 M	7.5 M	7.5 M	8 M
13	WEIGHT (ABOUT)	7TONS	8 TONS	12TONS	14TONS	15TONS
14	AIR SEPARATION COLUMN	TYPE-BOSCHI	TYPE-BOSCHI	TYPE-BOSCHI	TYPE-BOSCHI	TYPE-BOSCHI

PHOTOS OF OUR LIQUID OXYGEN PLANTS FROM OUR FACTORY



LIQUID OXYGEN CRYOGENIC STORAGE TANK



LIQUID OXYGEN GENERATORS ( FILLING IN DEWARS)



HIGH PURITY LIQUID OXYGEN GENERATOR UBL50



FOR APPROVAL AS SUPPLIER FROM ENGINEERS OF AIR LIQUIDE FRANCE



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**LIQUID GENERATOR OF CAPACITY 30 LITERS PER HOUR APPROVED FOR SHIPMENT APPROVED BY COCA COLA EUROPE**

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