



CRYOFUSION & MANDRESSI ITALIA

FABBRICANTE IMPIANTI DI SEPARAZIONE PER L'OSSIGENO, AZOTO E ARGON

SOCIÉTÉ GÉNÉRALE DE SURVEILLANCE ISO 9001:2000 - CE CERTIFIED & 100% EXPORT UNIT

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TECHNICAL SPECIFICATION SHEET OF ACETYLENE PLANTS

S.NO.	DESCRIPTION	BDM-A 15	BDM-A 25	BDM-A 50	BDM-A 100
1.	CAPACITY (Acetylene with high purity as per IS-30B)	15 m ³ /Hour (16.5 kg /H)	25 m ³ /Hour (28 kg /H)	50 m ³ /Hour (56 kg /H)	100 m ³ /Hour (111 kg /H)
2.	RAW MATERIAL REQUIRED				
a.	PROCESS WATER (Liter per Kg of Calcium Carbide Processed)	8-10 Liter	8-10 Liter	8-10 Liter	8-10 Liter
b.	CALCIUM CARBIDE (required per Nm ³ of gas produced)	3.5 Kg	3.5 Kg	3.5 Kg	3.5 Kg
c.	CALCIUM CHLORIDE (gms of calcium chloride reqd. per Nm ³ of acetylene) - One charge supplied with the plant.	50 grams	50 grams	50 grams	50 grams
d.	ACETONE (required per cylinder of Acetylene gas produced – varies as per the tier weight of the cylinder)	3 - 4 Kg	3 - 4 Kg	3 - 4 Kg	3 - 4 Kg
3.	CYLINDER FILLING (No. of cylinders filled per Batch, TOTAL 3 BATCHES in 24 HOURS)	20 Cylinders	32 Cylinders	65 Cylinders	132 Cylinders
4.	CARBIDE SIZE (Maximum 15% Dust allowed)	4 to 50 mm	4 to 50 mm	4 to 50 mm	4 to 50 mm
5.	HOPPER CAPACITY (Each Hopper)	100 Kg	150 Kg	300 Kg	500 Kg
6.	POWER REQUIREMENTS 380V – 415V, 50 Hz. (60 Hz optional)	10 KW	12 KW	15 KW	28 KW
7.	START UP TIME (No extra preparation required)	10 - 15 Min	10 - 15 Min	10 - 15 Min	10 - 15 Min
8.	AREA REQUIRED				
a.	PLANT INSTALLATION AREA	50 Sq. Mtr	70 Sq. Mtr	110 Sq. Mtr	150 Sq. Mtr
b.	CALCIUM CARBIDE STORAGE AREA	60 Sq. Mtr	80 Sq. Mtr	120 Sq. Mtr	180 Sq. Mtr
c.	CYLINDER FILLING AREA	30 Sq. Mtr	40 Sq. Mtr	60 Sq. Mtr	100 Sq. Mtr
d.	FREE AREA AROUND THE PLANT	15 Meter	18 Meter	18 Meter	20 Meter