



Acetylene plants

WE ARE MANUFACTURING LATEST CE QUALITY EUROPEAN BOSCHI ITALY BRAND ACETYLENE PLANTS in technical collaboration with **ING L&A BOSCHI**

ING. L. A. BOSCHI



TECHNICAL SPECIFICATIONS OF ACETYLENE PLANT

S.No	Description	UA-15	UA-25	UA-50	UA-100	UA-200	
1	Capacity Cubic Meter per hour	16	27.5	55	110	220	
2	Raw Material Required						
	Raw material	Calcium carbide (kg/m ³ of gas) Main raw material -cac2- carbide quality 5mm to 25 mm specify	3.3	3.3	3.3	3.3	3.3
	Power	Power (average requirement)	10kw	12kw	15kw	28kw	40kw
	Water	Cooling water make-up (liters/N.cubic meter of gas)	10	10	10	10	10
3	CHEMICAL & CONSUMABLES IN SMALLER QUANTITIES FOR PURIFYING PROCESS						
		Calcium chloride (gms/N.cubic meter of gas) (one charge supplied inside LP drier)	50	50	50	50	50
		Purifying mass (gas plus acid absorption mix per cum of gas)	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms
	CYLINDER FILLING						
		Acetone in cylinders pumped through acetone pump	As required	As required	As required	As required	As required
4		Space Required (approx.)	As required	As required	As required	As required	As required
		Process Area	50 Sq.M.	70 Sq.M.	110 Sq.M.	150 Sq.M.	200 Sq.M.
		Carbide Area	60 Sq.M.	75 Sq.M.	112 Sq.M.	175 Sq.M.	250 Sq.M.
		Cylinder Filling Area	30 Sq.M.	40 Sq.M.	60 Sq.M.	100 Sq.M.	150 Sq.M.
		Cylinder storage area (depending upon cylinder inventory)	80 Sq.M.	100 Sq.M.	160 Sq.M.	200 Sq.M.	400 Sq.M.
		Lime slurry disposal area	80 Sq.M.	100 Sq.M.	180 Sq.M.	250 Sq.M.	300 Sq.M.
		Free space around the plant (on all sides)	15M	16 M	18.5M	20 M	20 M
		Acetone Godown	10 Sq.M.	12 Sq.M.	20 Sq.M.	30 Sq.M.	40 Sq.M.