

E-1 LINE DETAILS

A E-1 Machine

CAM AND FOLLOWER MECHANISM

1 Continuous advancing filament winding line.

Can produce GRP pipes with the following diameters: (mm)

300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100,
1200, 1300, 1400, 1500, 1600, 1700, 1800, 2000, 2100, 2200, 2400

Mandril disc : 22 set

(2 shafts Dia 186mm & 310 mm are available for the whole range of diameters.)

Dia 186 mm for Dia 300 to 600 mm

Dia 360 mm for Dia 700 to 2400 mm

(1 shafts available for the whole range of diameters.)

Return apparatus: 10 sets

DN 300: 1 no

DN 350: 1 no

DN 400: 1 no

DN 450: 1 no

DN 500: 1 no

DN 600 to 700: 1 no

DN 800 to 1000: 1 no

DN 1100 to 1300: 1 no

DN 1400 to 1800: 1 no

DN 1900 to 2400: 1 no

2 Main motor: 20 KW, 1460 RPM, 39 Amp

3 PLC Control system

4 Fire extinguish system (fixed): 1 no Capacity: 250 kg

5 Pipe length can be produced:

Standard length: 6 mtr, 12 mtr

As per customers requirement: 3 to 12 mtr

6 Steel band width size:

A) Dia 300 to 500: 40 mm

B) Dia 600 and above: 60 mm

7 Aluminium beam size:

A) Dia 300 to 500: 40 mm: 44 nos

B) Dia 600 and above: 80 mm: 48 nos

8 Heating Oven system:

Induction heating system: 1no Capacity 12 KW

Infra red heating system: 1 Set: Capacity 10.5 KW

9 Resin dosing section (RESIN + CATALYST)

Resin mixing section: 3 Tank

Blending tank: 3 T Capacity

Day tank: 2 nos 1.5 T Capacity

Resin pump for the fabrication of the inner & External layer: 2 no

Capacity: 5/2.5 LPM

Resin pump for the fabrication of a solid layer: 1no

Capacity: 20/10 LPM

10 Catalyst dosing section

Catalyst pump: 5 nos

Catalyst tank 30 ltr: 2 no

11 Incremental pipe cutting sawing section: 1 no

AC Drive with VFD

12 Pipe supporting Lifting table: 4 no with Hydraulic power pack

Fixed Support(1 Lifting table)

Receiving Unit (2 Lifting Table)

B CHAMFERING AND END CALIBRATION UNIT

Range Dia 300 to 2400 mm

- 1 Lifting table with support wheels and drive unit: 1 no
- 2 Lifting table with support wheels unit: 1 no
- 3 For repairing section Support wheel with drive: 1 no
- 4 For repairing section Support wheel without drive: 1 no

C 1 REKA COUPLING MILLING MACHINE

Dia 300 to 1200 mm

Dia 800 to 3000 mm

2 REKA COUPLING HYDROTESTING FIXTURE:

Various Reka coupling fixtures are available for following diameters (mm)

300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200

1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2800

3 REKA COUPLING FIXING FIXTURE:

Various Reka coupling fixtures are available for following diameters (mm)

300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200

1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2800, 3000

D HYDROTESTING MACHINE

Dia 300 to 2400 mm maximum length: 12 mtr

Hydrotesting Machine Thrust capacity: 350 MT

Various HT plates are available for following diameters (mm)

300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200,

1300, 1400, 1500, 1600, 1700, 1800, 2000, 2100, 2200

300, 1500, 1600 Clear ID can also be test

Hydraulic power pack: 2 nos

Water filling pump: 2 nos

Pressure pump: 1 no

E SAND LOADING & TRANSFER UNIT

Sand Charging to silo unit: 1 no Capacity: 8 T/hr

Sand Silo no 1, 3, 4 sand transfer unit: 3 no: Capacity: 4 T/hr

Sand Silo no 2 sand transfer unit: 1 no: Capacity: 1.5 T/hr

F UPS SYSTEM

APLAB UPS: 100 KV (not working)

G ETP PLANT FOR WATER FILTRATION

Clean water out from filter press: 30 ltr/min