W.C

Andar Holding Ltd.

SCOUR INSTALLATION REQUIREMENTS

SCOUR INSTALLATION DETAILS

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3. SCOUR SERVICES

The following scour services must be supplied by the customer prior to the installation of the scour.

Compressed Air
A permanent compressed air supply of 100Nm^3/hr (minimum) at a delivery pressure of 700kPa is required at the scour line. Note that 100Nm^3 is 100m^3 of air at standard atmospheric pressure and temperature. Refer to the pipe connections drawing for location of the connection to the scour. The quality requirements for the compressed air supplied to the scour line are:

1. Dirt in the form of solid particles above 10 microns in size must be removed from the air. This is preferably done by means of special filters or reducing valves provided with filters.

2. Condensation in the compressed air system takes place at various rates dependent upon the moisture content at the air inlet, the temperature before and after the compressor, or lower temperatures in any cold zones passed by the pipe (outdoor, cellar etc.).

   The air must be dried with regard to the lowest temperature existing after the drying device, so that condensation in instruments is avoided. Note that the air will also be cooled by expansion after passing constrictions and nozzles in the instruments, with condensation as a result. Therefore, at the inlet to an instrument, the dew point of the compressed air should lie at least 10°C below the lowest ambient temperature.

   This is usually obtained by using an absorption dryer of suitable capacity. If the air contains much water, a primary separator before the filter will be necessary.

   Given these air quality requirements, the customer should have an air system that has filters, an absorption dryer and a primary separator.

Air filters should be placed so as to be easily surveyable and accessible in order to facilitate daily condition checks and exchange of filter cartridge.

ANDAR accepts no liability for consequences arising from unsatisfactorily purified compressed air supplied by the customer.

Steam supply for scour
A maximum steam supply of 3000 kg/h @ 6 Bar is required.

Steam Supply for dryer
A maximum steam supply of 1600 kg/h @ 6 Bar is required.

Water Supply
A continuous water supply (pH8) available at 50m^3/hr at 300kPa with a quality of:

- Turbidity free water, solids content < 0.001% of volume
- Max. particle size 50 microns
- Total hardness < 180mg Ca CO_3 per litre
- Chloride content < 100ppm NaCI (equivalent to 60mg C1/I)