

## 2. DATA TABLES

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### 2.1. General Data

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CUSTOMER: ~~CONIX CORPORATION~~

PLANT LOCATION: ~~Conix Corporation~~  
~~8800 Birminghams Road~~  
~~Phenix Lake, Alabama 36880~~

EQUIPMENT NUMBER: 740 060/2

PURCHASE ORDER: 90-00002

MANUFACTURER: *KRAUSS MAFFEI* MUNICH, GERMANY  
*KRAUSS MAFFEI* FLORENCE, KENTUCKY

EQUIPMENT: One (1) Model MT 4/300  
Conical Blender/Dryer

SERIAL NUMBER: 4148/2640

YEAR OF MANUFACTURE: 1991

SUPPLIER: *KRAUSS MAFFEI* Corporation,  
Florence, Kentucky

CONTRACT NUMBER: MT 4148/2640

### 2.2. Designation

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DRYER MODEL CODE DESIGNATION: MT 4/300

MT Blender/Dryer

4 Volume of Vessel (m<sup>3</sup>)

300 Diameter of Screw (mm)

## 2.3. Technical Data

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Assembly Drawing No:	MTD-4148-0001
Working volume, vessel:	4,000 liters
Rated volume, vessel:	5,270 liters
Volume, half pipe coils:	113 liters
Design pressure, vessel:	-1.0 bar g
Design pressure, half pipe coils:	3.0 bar g
Test pressure, vessel:	-.93 bar g
Test pressure, half pipe coils:	6.8 bar g
Operating temperature:	160°C
Design code, coils:	ASME Section 8
Stamp, coils:	"U"
Design code, vessel:	None
Screw, nominal diameter:	300 mm
Filter, volume:	625 liters
Minimum transport temperature:	-5° C
Dimensions:	
Diameter	1900 mm
Width	2300 mm
Height	6300 mm
Weights:	
Weight of mixer dryer (= shipping weight)	3600 kg
Operating weight (= shipping weight + max load)	12,000 kg
Catastrophic weight (= shipping weight + filter + total load of water)	12,350 kg
Weight of mixing assembly (including lower vessel section and screw)	1600 kg
Weight of discharge valve	99 kg

## **2.4. Materials of Construction**

Vessel, filter housing:	SS 304
Mixing screw:	SS 316 Ti
Discharge section:	SS 316 Ti
Half-pipe coils:	SS 304
Vessel gaskets and o-rings:	
Dished head seals:	Viton
Lower vessel seals:	FEP Encapsulated Viton
Screw seals:	Lip seals - Gylon
Carriage seals:	Lip seal - Gylon
Discharge valve seals:	Turcon/FEP Encapsulated

## **2.5. Surface Finishes**

Interior finish:	Ground and polished to 25 micro inch RA
Exterior finish:	Pickled and passivated

## **2.6. Drive Information**

Carriage drive: range:	1.5 Hp .06 - .036 rpm
Screw drive: range:	15 Hp 16 - 96 rpm