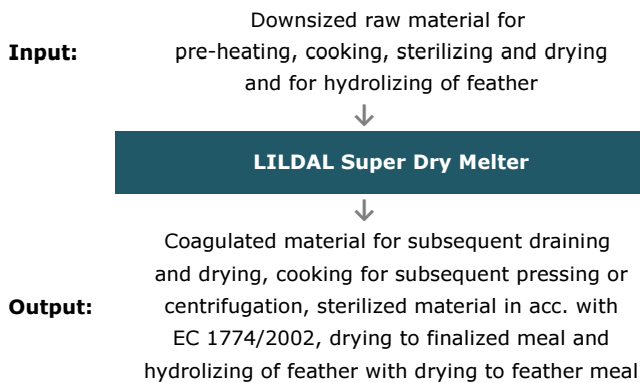




# Super Dry Melter



## Process



## Design

The Lildal Super Dry Melter is the most versatile and wear resistant process machine on the marked. It is able to pre-heat, cook, sterilize and dry almost all sorts of raw material and to hydrolize feather. All possible in one machine.

The Lildal Super Dry Melter comes in 5 sizes that covers a large range of capacities single or in combination. And if more Lildal Super Dry Melters are put into operation will they work as a continuous line even though they are filled batchwise.

The Lildal Dry Melter is a heavy build machine with a high wear allowance both on the process chamber shell and on the agitator securing many years of steady operation. The working principle of the Dry Melter is that all parts of the raw material comes in effective contact with the whole heating surface by agitation. Another advantage of the agitation is that the raw material particles will be downsized further securing correct core temperature in the material in shorter time.

The standard Lildal Super Dry Melter comes as a manual operated machine. But we can as an option supply a valve and instrumentation package for fully automated control of both the process and steam side. Another option is our Moisture Index Meter securing safe process control by drying.

Design Features	Customer Benefits
Designed to cook, sterilize, dry and hydrolize	Able to run several processes in one machine
Heavy duty construction with large wear allowance	Long lifetime on both inner shell and agitator
Steam on both agitator and shell	Optimized heat transfer and short heating time
Manual, semi-automatic or automatic operated	Always possible to meet individual requirements
Drive line with centrifugal clutch and V-belt drive	Smooth start-up and quiet operation
Clutch with shear pins between melter and gear	Lildals own clutch design protects the gear against shock
Simple packing cord box with two tighten points	Fast adjusting and tightening of the packing box
Optional Moisture Endpoint Control	Easy process control by drying
By-pass valve on process vapour outlet	Prevents blocking of condensation system and production stops

Distributor/ Agent



## Productinfo

### Super Dry Melter, continued

#### Technical specifications

Size		5.000	8.500	10.000	16.000	28.000
Capacity, poultry	kg	2.500	4.300	5.000	7.400	15.000
Capacity, red meat + bone	kg	2.800	4.800	5.600	8.200	16.500
App. steam consumption norm.	kg/hr.	1.000	1.700	2.000	2.900	5.500
App. steam consumption peak	kg/hr.	2.000	3.400	4.000	5.000	9.500
Motor size	kW	37	55	75	110	150
Length	mm	5.900	7.800	9.000	9.500	11.100
Width	mm	1.550	1.715	1.715	2.100	2.540
Height without dome	mm	2.015	2.250	2.250	2.700	3.200
Operating weight	kg	15.500	22.000	28.000	51.000	80.000
Shipping weight	kg	12.700	17.200	22.000	43.800	63.800

#### Configuration

Standard
Manual operated inlet dome for filling
Manual discharge door with impact wheel
Manually operated steam and vapour system
Easy readable analog instrumentation set showing pressure and temperature
Lildal safety coupling with shear pins
In-line main bearing housings with integrated packing cord box with 2-point tightening
Heavy duty gear with V-belt drive and Centrifugal clutch
Wear sleeves on both axle ends for prolonged lifetime
45 mm insulation with stainless steel cladding
Options
Automatic Knife gate inlet valve for filling by conveyor through the inlet dome
Automatic Knife gate inlet valve for filling by Raw material pump
Valve and instrumentation package for semi or fully automated operation
Load cell system or as an alternative ammeter on the motor to show relative load
Moisture Index Meter
Free standing Roller bearing housings as an alternative to the In-line solution
Fluid coupling on the motor/gear drive line
Operation platform
Recommended optional machinery
Filling conveyor
Raw material pump (Lamella or Piston type)
Distribution conveyor or pipe distribution system by pump filling if more Dry Melters are in operation
Percolating tank

#### Certification

The Dry Melter is approved in accordance with the European Pressure Equipment Directive PED 97/23/EC
In general does the equipment from Lildal comply with applicable European standards




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