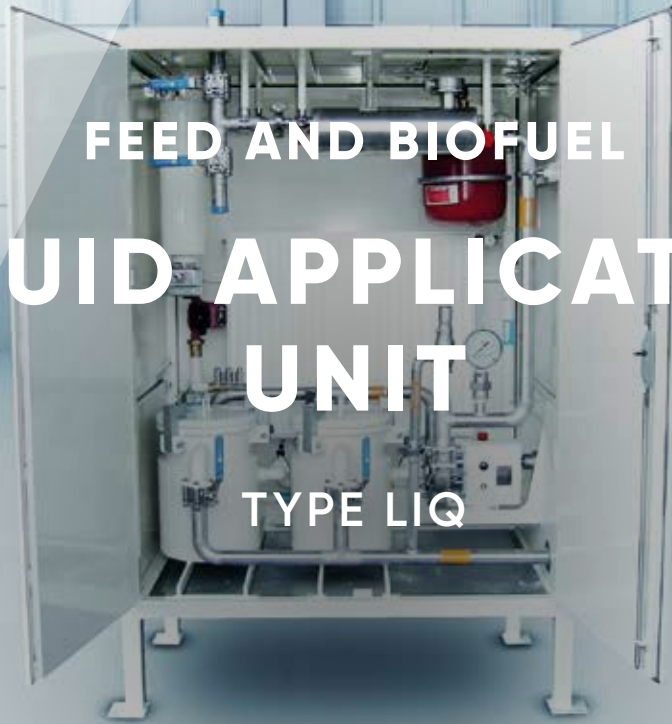




FEED AND BIOFUEL  
**LIQUID APPLICATION  
UNIT**  
TYPE LIQ



The liquid application unit is a complete liquid system for controlled addition of a liquid flow of fat, oil, molasses or other liquids. The liquid addition is controlled by a computer or operates with a fixed amount preset at a control panel. The ANDRITZ liquid application unit is ready for installation in a closed

cabinet with connecting nozzles. The unit is made of steel grades suitable for the liquid media.

**THE LIQUID APPLICATION UNIT  
MAY CONSIST OF:**

- Insulated cabinet with hinged front doors for operation and service. Side, back and top cabinet

covers are bolted onto the frame and are detachable.

- Dosing pump suitable for the liquid medium
- Electronic flow meter, optional.
- Liquid filter for manual cleaning when the unit is idle
- Manual drawing off for control of dial gauge/flow meter

**ANDRITZ**

**ENGINEERED SUCCESS**

- Thermometers, pressure gauges, ball valves, and safety valves
- Hot-water boiler with thermostatically controlled heating coil, pressure expansion tank, circulation pump, and heating surface for internal heating of cabinet or external heating of coater, nozzle pipe, and other pipes where a constant temperature is desired.

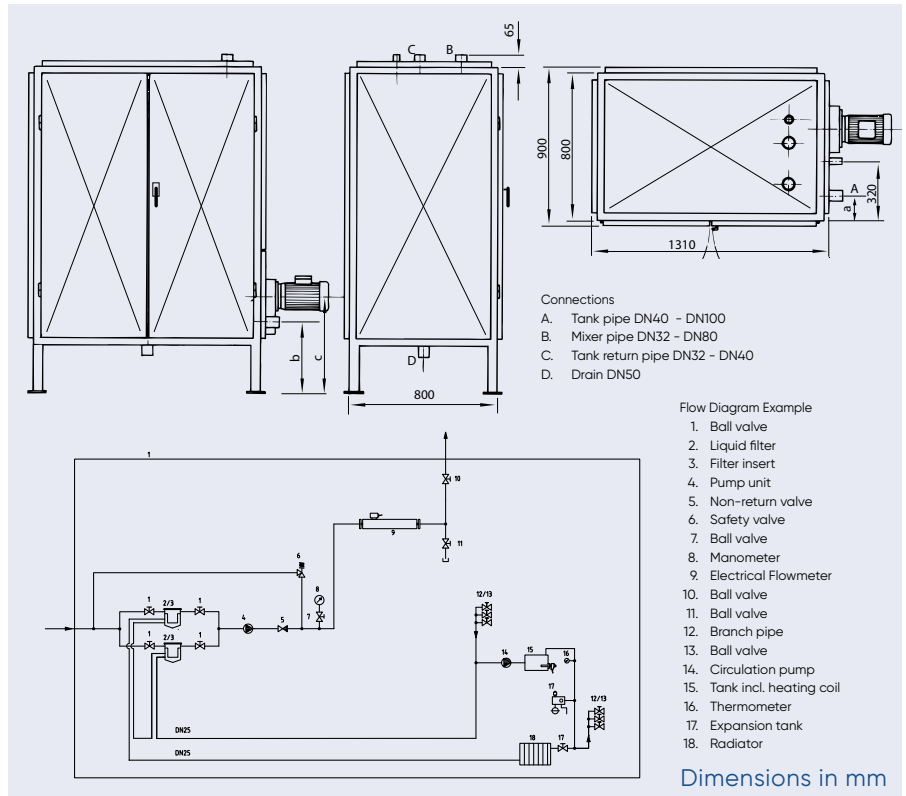
### CONNECTIONS

- Outside connections for pipes from tank to liquid unit
- Outside connection for return pipe to tank
- Drain for cabinet cleaning.
- Outside connection for pipe to point of consumption

### APPLICATION/FUNCTION

The liquid application unit is applied in process lines for e.g.:

- Liquid dosing to batch mixers with formula-controlled liquid amount per batch
- Liquid dosing to coater with variable liquid flow. Continuous regulating in proportion to the material flow measured continuously by a belt weigher, for example.
- Liquid dosing to pre-conditioner for pellet press, feed expander, or extruder either by volume dosing via feeder screw speed or in proportion to the material amount passing through a loss-in-weight system.



## TECHNICAL DATA

### Liquid application unit

<b>Cabinet dimensions</b>	Single cabinet DN32/40/50	1210x800x1800
	Single cabinet DN50/65/80	1500x1200x1800
	Single cabinet > DN125	2000x1500x1800
	Double cabinet DN32/40/50	2400x800x1800
	Double cabinet DN50/65/80	2400x1200x1800
	Triple cabinet	3500x1500x1800
<b>Flow ranges</b>	Fat and oils	50-20000 L/H
	Molasses	50-3000 L/H
<b>Filters</b>	Mesh sizes	0.56 mm / 0.95 mm / 3.30 mm
	Coupling	Single filter
		Double filtration (parallel)
		Double filtration (series)
<b>Weight</b>	Weight depends on specific configuration	Single cabinet DN32/40/50 in general configuration weighs approximately 650 kg

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**ANDRITZ**

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