

## Full automatic 200l Barrel Dosing System for IKE – isomerised Kettle Extract

### Product specification:

Medium: isomerised kettle extract - IKE  
 Density (20 °C): approx. 1,00 g/cm<sup>3</sup>  
 Viscosity: approx. 3.000 – 10.000 cP at 20 °C  
 Volume/rotation: approx. 50 ml  
 Theoretical flow rate at 10-80 Hz: approx. 1,1 – 8,1 l/min  
 Operating temperature: approx. 20 °C  
 Suction side: bottom  
 Discharge side: max. 6 bar

### Packaging:

Barrel dimensions: Øinside = 571 mm, H = 870 mm  
 Difference: Øtop and Øbottom = 0 mm  
 One-way pallet: 1200 x 600 x 1000 (lxwxh)

### Product guiding:

Connection straighten  
 Food grade hose  
 Length 3 m  
 Connection port milk threaded NW 25 DIN 11851

### Emptying pump:

Pump housing: e-polished  
 Rotor: 60° undercut,  
 Stator: HNBR white  
 Joints: axle shaft  
 Shaft seal: sterile mechanical seal Q1Q1XGG with seal chamber  
 Orientation: vertical  
 Pressure switch -Low-level indication by pressure  
 Air ventilation valve  
 Suction port: barrel bottom  
 Discharge port: Tri-Clamp NW 50 DIN 32676

### Helical gear motor:

With incremental encoder  
 Power: 0,55 kW  
 Output speed: app. 102 rpm  
 Voltage: 230 V  
 Frequency: 50 Hz  
 Protection class: IP 54  
 With thermostats

### Electrical connection to the Brew House Control – Communication with the pump dosing control type Dos III:

Stainless steel cabinet,  
 protection class IP 65  
 frequency converter 0,55 kW  
 Profibus module.  
 Connection: 230V, 50Hz, 1-ph.

The software integration in the existing brew house control should be realized by your electrical engineer or the supplier of your brew house software.

### Frame Design of the station

All stainless steel, moveable, with 4 wheels  
 Simple manual electrical control of pump up- and down-movement

