

# WATERLINE

## Instruction manual

### WL MINI FIX

- Introduction
- Technical data
- Technical information
- Plastic tubular
- Connections
- Production preparations
- Production
- Shutdown
- Maintenance
- Storage of consumer items
- Troubleshooting
- Appendices

Chapter 2

Technical data

The first part of the chapter lists the technical specifications of the water treatment system. The second part refers to those of the packaging machine.

2.1 Water treatment line

2.1.1 UV-degermination device

Type . . . . .	Multus Mini MJ
Concept . . . . .	UV lamp
Capacity . . . . .	0,5 m <sup>3</sup> /h
Pressure duty . . . . .	10 bar max.
Power . . . . .	85 W
Voltage . . . . .	220 V / 50 Hz monophase
Lamp duration . . . . .	approx. 5'000 h

2.1.2 Argox™ injection system

2.1.2.1 Argox™ dosing pump

Type . . . . .	M 201-2SA
Capacity . . . . .	2,7 l/h
Max voltage . . . . .	120 impulses/min
Max backpressure . . . . .	10 bar
Voltage . . . . .	220 V / 50 Hz monophase
Power . . . . .	11 W
Materials used . . . . .	PVC, Viton, Ceramics
Protection . . . . .	IP 65

2.1.2.2 Argox™ tank

Material . . . . .	Polyethylene
Volume . . . . .	35 l
Electric mixer (option):	
- Type . . . . .	1509-0100 35 A
- Voltage . . . . .	220 V / 50 Hz monophase
- Power . . . . .	90 W
- Speed . . . . .	1340 min <sup>-1</sup>

2.1.2.3 Water meter

Max. capacity . . . . .	5 m <sup>3</sup> /h
Pressure duty . . . . .	7 bar max.
Pump control . . . . .	1 impulse per liter

2.1.3 Surge chamber

Type . . . . .	membrane
Preloading pressure . . . . .	0,3 - 0,4 bar
Volume . . . . .	12 l
Max. pressure . . . . .	7 bar

Oil removing filter

- Type . . . . . F42
- Filter element . . . . . 0,01 my

Lubricator

- Type . . . . . LL 11-200 MLRD

2.2.4 Electrical control

- Voltage . . . . . 3 x 380 V / 50 Hz + N + G
- Voltage . . . . . 24 V DC
- Control unit . . . . . PLC Selectron PMC 22

2.2.4.1 Proximity switch

- Type . . . . . IFR K 11.24.31 (PNP)
- Principle of sensing . . . . . (SI) Inductive
- Detection distance . . . . . 1,5 mm
- Open-circuit current . . . . . < 10 mA
- Voltage range . . . . . 5-24 VDC
- Load . . . . . > 120  $\Omega$
- Voltage drop  $U_d$  . . . . . < 300 mV
- Output power . . . . . max. 200 mA

2.2.4.2 Solenoid valve

- Pneumatic system . . . . . SXE-9561-180-00
- Vacuum system . . . . . AM 3331-025

#### 2.1.4 Reducing valve

Type . . . . .	WL 178.200
Max. inlet pressure . . . . .	4 bar
in the adjustment area	
- minimum . . . . .	0,2 bar
- maximum . . . . .	0,6 bar
Caps . . . . .	$\frac{3}{4}$ " G

#### 2.2 Packaging machine

Hourly production . . . . .	500 bags
Bag capacity . . . . .	1, $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ l
Water connection	
- Capacity . . . . .	1,5 m <sup>3</sup> /h
- Pressure . . . . .	0,5 - 4 bar
- Feeding pipe diameter . . . . .	$\frac{3}{4}$ " G
Power connection	
- Tension . . . . .	3 x 380 V / 50 Hz + N + T
- Power when installed . . . . .	1 kW
Compressed air connection	
- Pressure . . . . .	5 - 7 bar
- Tube diameter . . . . .	$\frac{1}{4}$ " G
- Consumption . . . . .	120 Nl/min
Weight . . . . .	190 kg
Dimensions	
- Length . . . . .	900 mm
- Width . . . . .	800 mm
- Height . . . . .	1750 mm
Color . . . . .	Blue Ral 5011
Temperature	
- While working . . . . .	0 °C - + 55 °C
- Storage . . . . .	-20 °C - + 80 °C

#### 2.2.1 Motorized gear unit for tubular advancement

Type . . . . .	43.751.30.4.3.1
Voltage . . . . .	3 x 380 V/ 50 Hz
Power . . . . .	90 W
Speed . . . . .	1350 min <sup>-1</sup>
Reduction ratio . . . . .	1:15
Brake . . . . .	Electromagnetic
Protection . . . . .	IP 55

#### 2.2.2 Vacuum pump

Type . . . . .	E 030
Compressed air consumption . . . . .	30 Nl/min
Pressure . . . . .	4 bar

#### 2.2.3 Compressed air processing equipment

Filter-Regulator	
- Type . . . . .	B11
- Pressure . . . . .	1-10 bar
- Filter element . . . . .	25 my