

Additive Unit, Type 6775-11, Series D

- **Device for the automatic and environment-friendly additive injection**



Description

The additive unit type 6775-11 is designed for the automatic and environment-friendly injection of additives during the delivery of heating oil and Diesel. Additives are flow enhancers (antifreeze), soot inhibitors, combustion catalysts and the like.

The additive unit works in conjunction with the data acquisition system Compact Controller (Tiger) or PETRODAT 3002. It is to be used solely in the A3 zone and only with A3 products as additives.

Using two non-return valves the additive is injected into the main product line. The additive unit is suitable for both stationary and mobile duty. It is possible to install several additive units per main volume counter.

Pump system

The used materials make the pump resistant against most of the common additives. The pump system is easily accessible for service purposes.

Monitoring devices

For a safe protection from a dry run of the pump and for monitoring the additive tanks an external detector has to be connected to the unit. A dry run will cause a breakdown to the pump. Suitable are swim type switches (inoperative opened) or capacitive proximity switches (3-wire, minus-switching) with 12 V supply voltage or the level sensor type 6729-22.

Electrical connection

The cable is connected to plug terminals in the housing.

Accessories

Return valve 0,2 bar
(for OUT connection of the additive unit) Order no. U495557

Return valve 0,2 bar
(for the injection spot of the additive)
Order no. U495556

Level sensor, optical type 6729-22
Order no. U891 1 672922

Y-shaped fitting for level sensor
Order no. U05008027

Threaded joint G1/2"
(for connecting the y-shaped fitting with seamless steel tube 12 x 1 mm) Order no. U496474

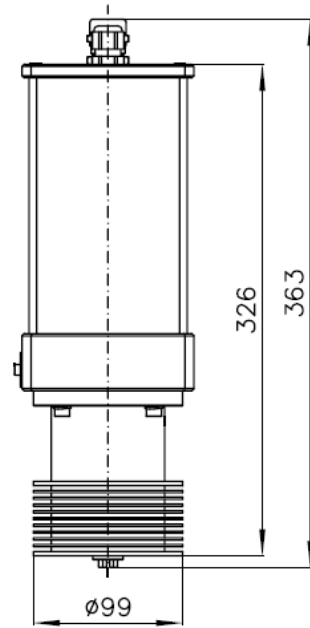
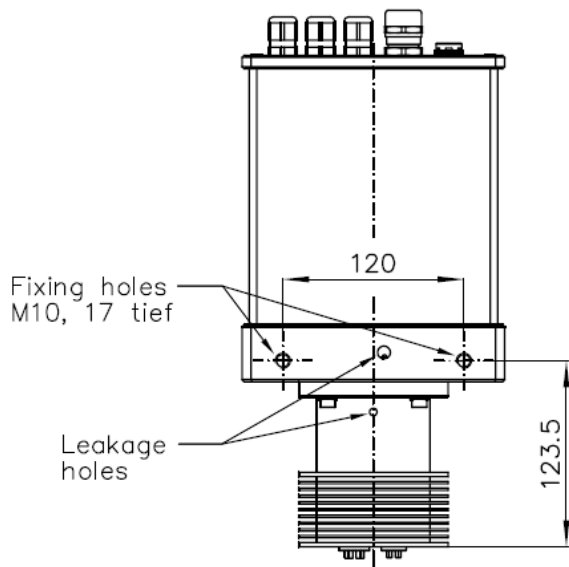
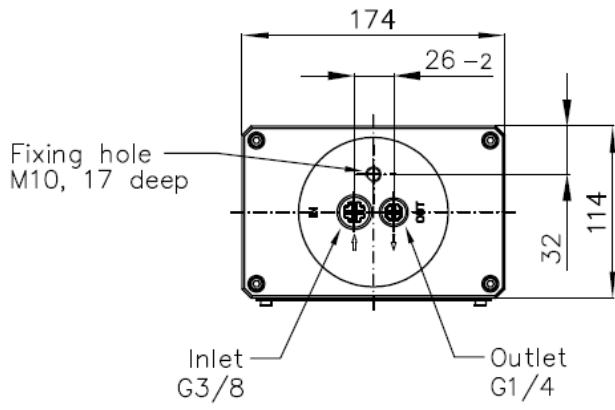
Threaded joint G3/8"
(for steel tube 12 x 1 mm, for connecting the suction pipe to the additive unit) Order no. U496475

Features

- **Optimal mixing of the product by continuous additive injection during mineral oil delivery**
- **Can be used in conjunction with Compact Controller (Tiger) and PETRODAT 3002 system**
- **Input for level sensor**
- **Long-life by sturdy construction**

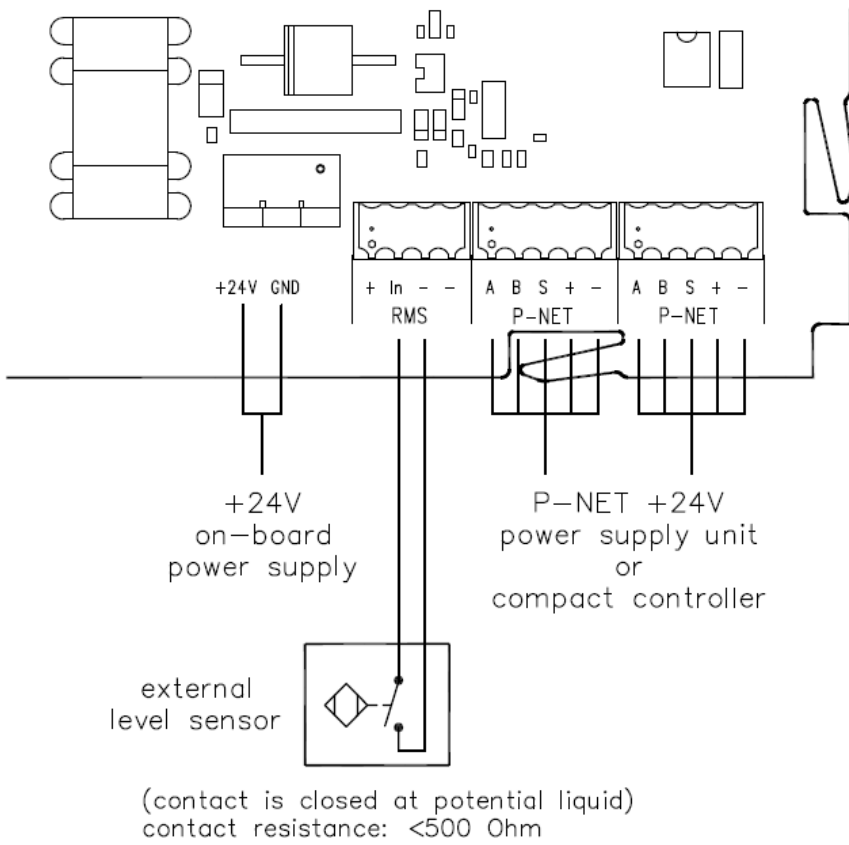
Technical Data	
Electrical Data	
<i>Auxiliary energy</i>	
Voltage supply for electronics	DC 24 V +20 % -15 % (I < 250 mA)
Voltage supply for driving motor	DC 24 V +20 % (I < 10 A)
Electrical connection	Internal plug terminals, wire diameter $\leq 2,5 \text{ mm}^2$, Cable routing via 3 x M16 and 1 x M20 glands
Interface	fieldbus interface (P-NET), P-NET ID-no.: 5929
<i>Pump system</i>	
Max. delivery rate	2 l/min
Max. pressure rate	2 bar
Additive viscosity min.	2 mPa * s
Additive viscosity max.	30 mPa * s
Accuracy	$\pm 5 \%$ volumetric (at max. 1 bar counter pressure)
<i>Anschlüsse</i>	
Inlet	Thread holes: 3/8", Connection lead: $d_i \geq 10 \text{ mm}$
Outlet	Thread holes: 1/4", Connection lead: $d_i \geq 6 \text{ mm}$
Ambient Conditions	
Operating temperature	-20 ... +50 °C
Storage temperature	-25 ... +60 °C
Mechanical Data	
Dimensions	See drawing
Mounting	Horizontal installation, Fixing possible with 3 M10 thread bore holes
Weight	approx. 5,5 kg
Housing	rugged aluminium case
Materials which come in contact with the additive	Aluminium, steel, POM, FKM
Type of protection	IP 65
Ordering Details	
Designation	Order Number
Additive Unit, Type 6775-11, Series D	U8911700677511

Dimensions

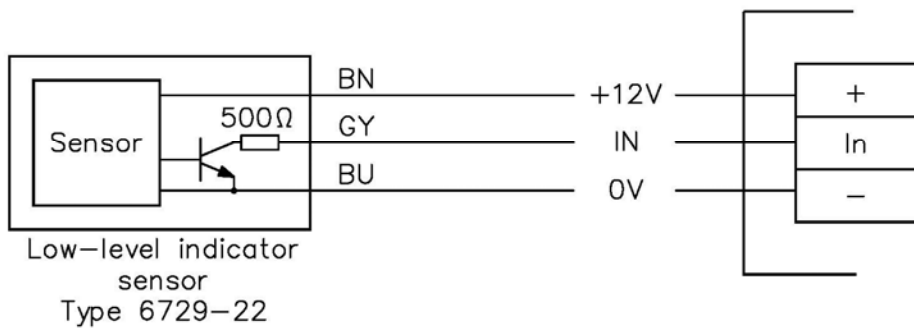


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Wiring



BARTEC low-level indicator connection:



mz677510.dwg