



 **FLUIDOTEHNIC**

# DEVICES AND SYSTEMS FOR CENTRAL LUBRICATION

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CATALOG OF DEVICES

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# LUBRICATION TECHNIQUE

## CATALOG OF DEVICES

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- FLUIDOTEHNIC's production program is based on its own development. Thanks to that, all the products are the result of the engineering staff work, as well as the quality and skilled workers in manufacturing and installation. Each serial product during the conquest passes through the phase of prototype development, functional tests and check in real operating conditions. Following step is removal of all possible defects and then, based on that, test series is produced. This is how we achieve high quality of manufactured devices. In case of the individual production, after the functional testing, we deliver the product to the customer.
- Since its foundation FLUIDOTEHNIC Ltd. has been continuously investing both in the expansion of commercial building and the purchase of modern equipment for the production, control and techno-economic support. It is located in the industrial zone of Vrnjacka Banja, on a lot size ~ 2ha. It consists several buildings, connected into a functional whole area of 4000 m2. The whole complex is adjusted to the environment- we are taking good care of health, work safety and environmental protection.





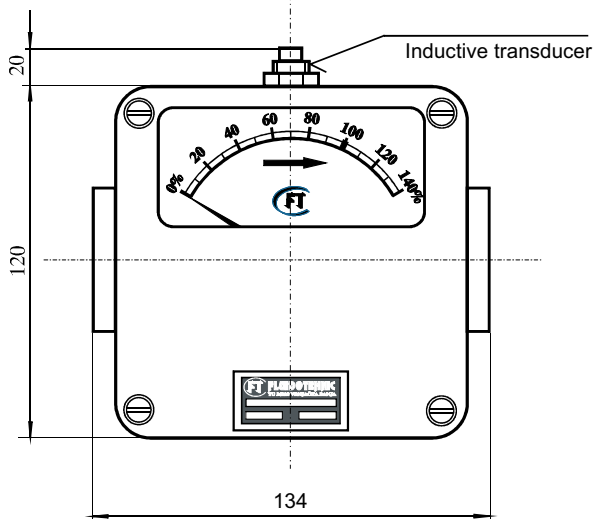
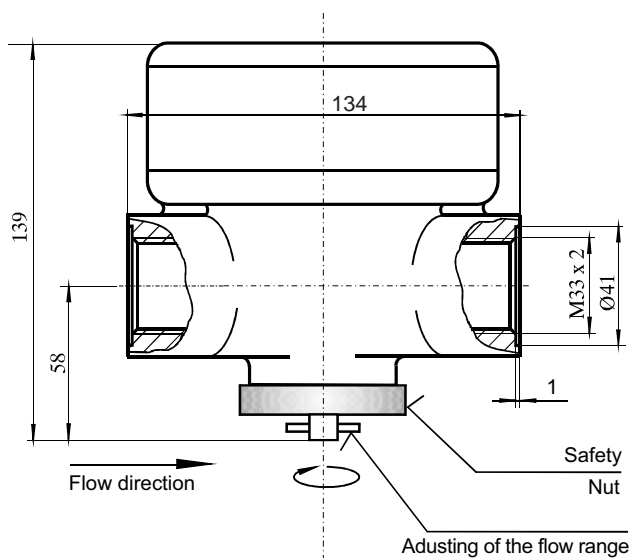
- Market research, device development, technical assistance and personnel training free of charge for all our customers is the main task of this service. Many years of experience in the development tasks of hydraulics, pneumatics and lubrication techniques, as well as the latest computer technology guarantee that our customers will get the optimum technical solution. During the development, every device passes precisely defined procedure, starting from making the design concept, followed by manufacturing and testing prototypes and going into production.
- It consists of several facilities and departments: foundry of non-ferrous metals, mechanical drive, locksmith department, installation and technical control. All operations from the casting to the final machining are performed with the universal and software machines. Control and assembly is 100%. When the assembly is finished, each device is being tested on the test stand and on the basis of the results it gets the appropriate certificates and guarantees. On each call of the user, service teams come in as soon as possible, with spare parts and the necessary tools, regardless of whether the equipment is in warranty or out of warranty period.



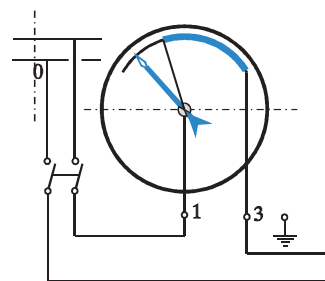
# FLOW INDICATOR



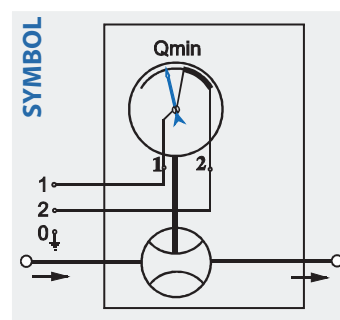
This device is applied for lubrication and cooling systems where oil flow control is necessary. Indication is visual by scales in percent values, and electrical by inductive transducer. The adjusting of the device is very simply. After the mounting of the device system can be started and the safety nut should be released. When the flow rate is nominal, put the black pointer on 100% by turning of adjusting axle (direction of adjusting axle is the same as direction of the pointer). Adjusted value should be fixed by safety nut. Proper adjusted device is high precise in wide range of the flow. Electrical control is performed by inductive transducer which is adjusted to give signal (switching of the contact) in case of flow decreases (due to some failure in system) under the 70% of nominal value. The devices of other warning values of the flow are available on request.



Ordering code	10 - 0850	10 - 0850/1
Fluid	Viscosity of oil	13 - 800 mm <sup>2</sup> /s
	Temp.	-30 ; +80 °C
Working pressure	0,5-15 bar	
Flow rate	30-100 dm <sup>3</sup> /min	10-35 dm <sup>3</sup> /min
Controlled flow rate	15-100 dm <sup>3</sup> /min	5-45 dm <sup>3</sup> /min
Connection ports	M33x2	
Inductive level indicator	Voltage	12 - 24 V DC
	Current	200 mA
	Type	NO PNP
Mass	3,2 kg	



1. Contact opens in case of flow decreases under limited value

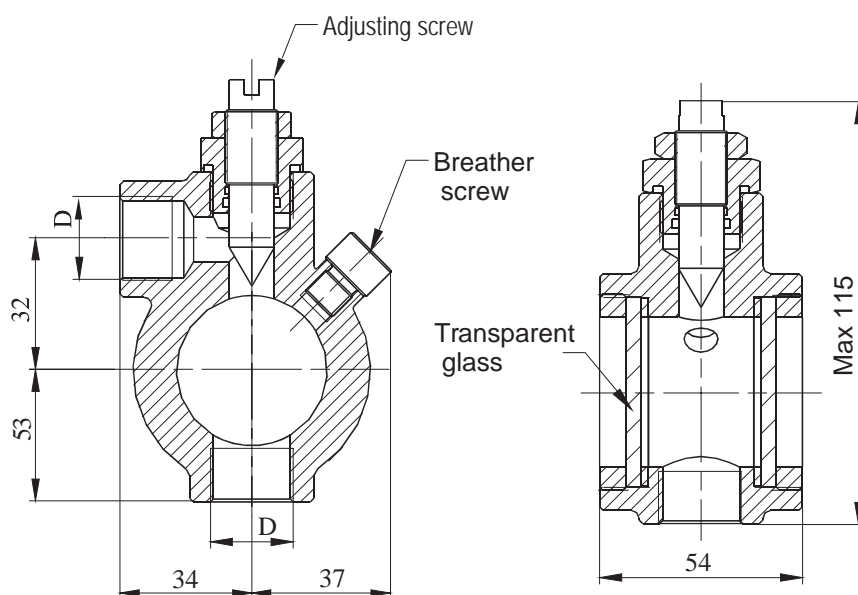


## FLOW CONTROL DEVICE WITH INDICATION



This device is applied for lubrication and cooling systems where oil flow control is necessary. Indication is visual by transparent glasses. The adjusting of the device is very simply by adjusting screw. Clockwise rotation decreases the flow rate, contrary flow rate increases. To avoid turbulence and clogging the adjusted flow should be in one stream and stable. In case of clogging turn off the breather screw until the flow becomes stable.

Because of its high quality and robust design, the unit is applicable in plants with hardest working conditions, such as iron plants, cement works, cellulose industry, excavators for surface exploitations, etc.



Ordering code		10 - 0230/10	10 - 0230/15
Fluid	Viscosity of oil	13 - 800 mm <sup>2</sup> /s	
	Temperature	-10; +80 °C	
Working pressure		0,1 - 20 bar	
Nominal open		NO 10	NO 15
Controlled flow rate		0 - 1 dm <sup>3</sup> /min	0 - 1 dm <sup>3</sup> /min
Connection ports "D"		G3/8"	G1/2"
Mass		1,1 kg	1,1 kg



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Reg. broj: 11506568939  
Br. Reg. Upisa: 1-14429-00



## EC DECLARATION OF CONFORMITY / DECLARATION ON INSTALLATION

DEKLARACIJA O USAGLAŠENOSTI / DEKLARACIJA O UGRADNJI

### We hereby declare that the following products

Izjavljujemo da su sledeći uređaji

**Electric driven pumps for grase lubrication** (Elektromotorne pumpe za podmazivanje mastima)  
**Power unit for oil lubrication** (Elektromotorni uređaj za podmazivanje uljima)  
**Pneumatic pumps for lubrication** (Pneumatske pumpe za podmazivanje mastima)  
**Two line dosing distributors** (Dvolinijski dozatori)  
**Progressive doser distributors** (Progresivni dozatori)  
**Change-over valves** (Hidraulički razvodnici)  
**Electric driven change-over valves** (Elektromotorni razvodnici)  
**Pressure and flow valves** (Ventili pritiska i protoka)

### Are designed and produced in accordance with the safety requirements according to the following regulations:

Projektovani i proizvedeni u skladu sa bezbednosnim zahtevima prema sledećim propisima:

**Machinery Directive EC/2006/42**  
(Mašinska direktiva EC/2006/42)

**Low voltage directive EC/2014/35**  
(Niskonaponska direktiva EC/2014/35)

**in accordance with the following standards:**

i u skladu sa sledećim standardima:

**Safety of machinery - General principles for design**

- **Risk assessment and risk reduction EN ISO 12100:2010**

Bezbednost mašina - Opšti principi za projektovanje

- Ocena rizika i smanjenje rizika SRPS ISO 12100:2014

**Safety of machinery - Electrical equipment of machines - Part 1: EN 60204-1:2016**

Bezbednost mašina - Električna oprema mašina - Deo 1: EN 60204-1:2016

### Declaration on installation in the sense of EC Machinery Directive (2006/42/EC) Annex II B

Izjava o ugradnji u skladu sa EC Mašinskom direktivom (2006/42/EC) Anex II B

**Product of "FLUIDOTEHNIC" assemble into mechanical devices and equipment. Start-up is not admissible unless it has been verified that the whole equipment, meets the requirements defined in the EC machinery Directive (2006/42/EC)**

Proizvod "FLUIDOTEHNIC"-a se ugrađuje u drugu opremu i dodatne uređaje. Pokretanje nije dozvoljeno sve dok i relevantna oprema u koju se ugrađuju ne bude u skladu sa Mašinskom direktivom (2006/42/EC)

**The manufacturer undertakes to supply the relevant information of incomplete machine on request to responsible inspector by electronic way. Technical documents of the machine is prepared in accordance with Annex VII, part B Machinery Directive (2006/42/EC)**

Proizvođač se obavezuje da će elektronskim putem dostaviti odgovarajuće podatke o delimično završenoj mašini nadležnom inspektor u njegov zahtev. Tehnička dokumentacija je izrađena u skladu sa Anexom 7, deo B Mašinske direktive.

Vrnjačka Banja, 01/02/2017 godine



Šljivić Miroslav, General Manager

The EC Declaration of Conformity is only valid in conjunction with confirmation that the device has been correctly applied, installed, inspected and maintained according to the operating instructions provided. The validity of the declaration will cease in case of any modification and/or supplement not previously approved by "FLUIDOTEHNIC".

Ova deklaracija o usaglašenosti važi samo u slučaju da je uređaj pravilno ugrađen, iskontrolisan i da se koristi i održava u skladu sa uputstvom za rukovanje i održavanje. Važenje izjave prestaje u slučaju bilo kakve modifikacije ili dodatka koji nisu prethodno odobreni od "FLUIDOTEHNIC"-a.





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