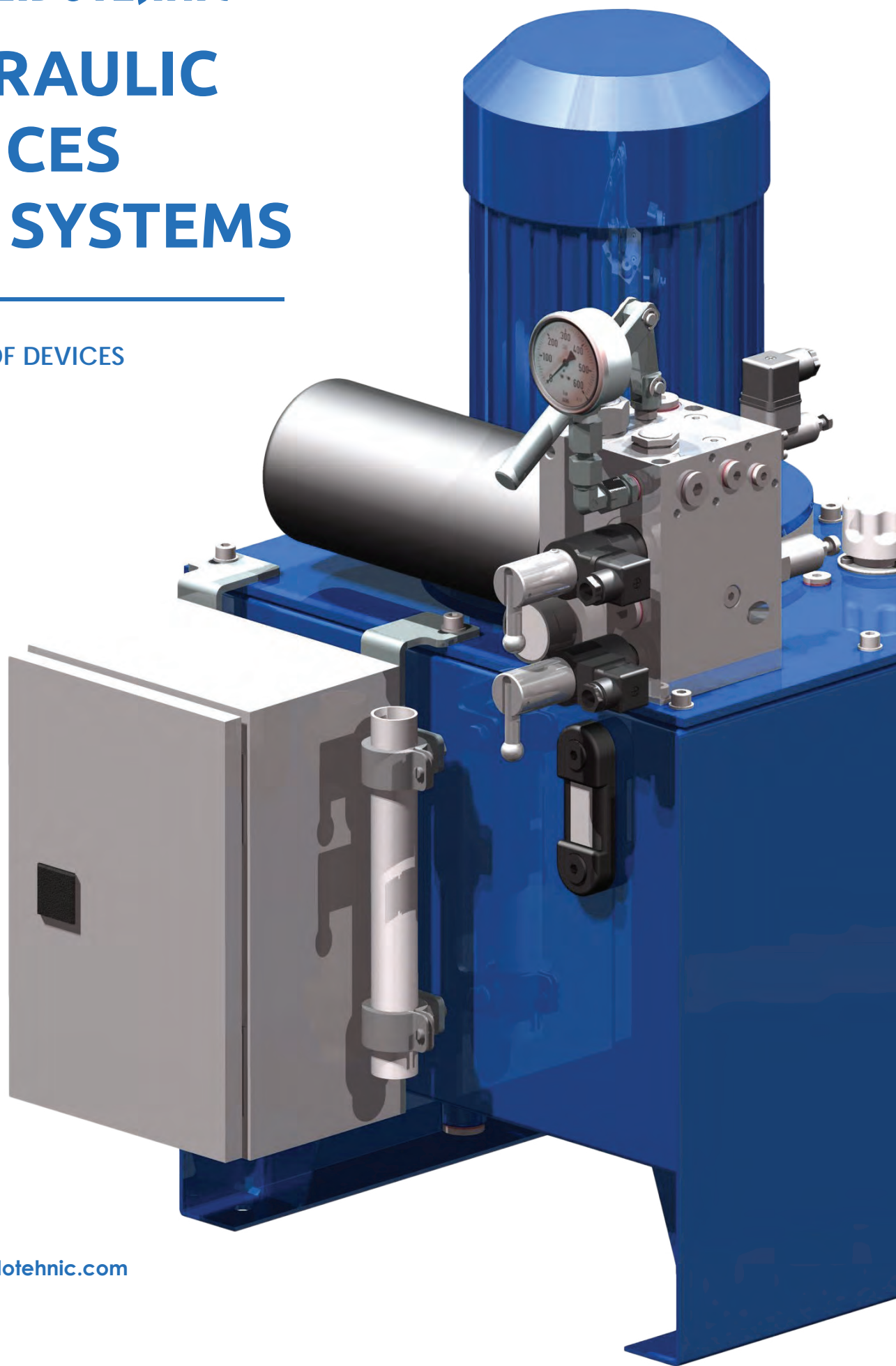


# HYDRAULIC DEVICES AND SYSTEMS

CATALOG OF DEVICES





- 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.

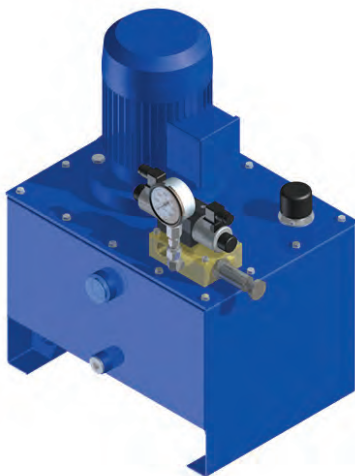




- Market research, device development, technical assistance and personnel training free of charge for all our customers is the main task of this service. Many years of experience in the development tasks of hydraulics, pneumatics and lubrication techniques, as well as the latest computer technology guarantee 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.



## HYDRAULIC POWER PACKS



Hydraulic power units are drive aggregates that electrical energy converts to hydraulic and so, over cylinder and hydro-motor, perform corresponding mechanical linear or rotational work.

Hydraulic power units are designed as a compact unit consisting of:

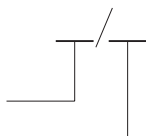
- Reservoir
- Electric motor coupled with hydraulic pump
- Suction filter
- Pressure line filter
- Safety valve
- Visual fluid level indicator
- Filling plug with air filter

Types and nominal sizes of components are chosen according to the required technical characteristics of aggregates.

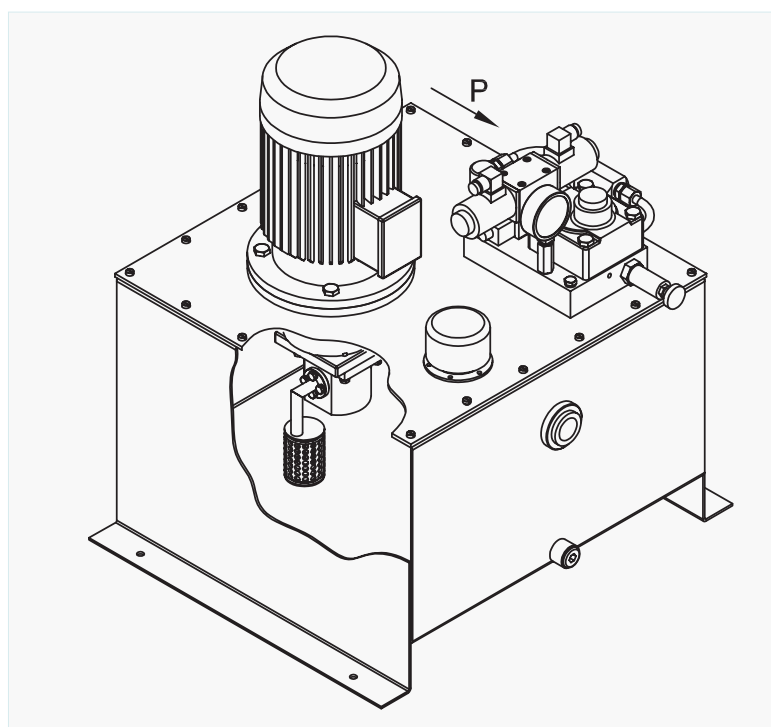
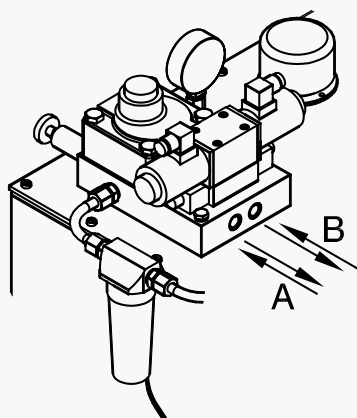
On the customer request power units with additional drive and control elements are available, such as: valves (flow and pressure control, check valves, distributing valves) single mounting or composed in blocks, hydraulic accumulators, oil level indicators, temperature electric indicators, heaters, coolers etc.

### ORDERING CODE

Working pressure  
Pump displacement



### View "P"



Max working pressure	160 (300) bar *
Fluid - mineral oil	10 to 400 mm <sup>2</sup> /s
Ambient temperature	-20 to +50°C
Tank volume	20 to 250 dm <sup>3</sup>
Flow rate	0 to 160 dm <sup>3</sup> /min

\* 160 bar - gear pump  
300 bar - piston pumps





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## 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

**Hydraulic cylinders** (Hidraulički cilindri)  
**Hand pumps** (Ručne pumpe)  
**Actuators** (Aktuatori)  
**Hydraulic presses** (Hidraulične prese)  
**Change-over valves** (Hidraulički razvodnici)  
**Electric driven change-over valve** (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 inspektoru na 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.

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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