



# MOTORIMPEX



## ORDER FORM FOR FZU2

Standard execution (FZU2-80-25-10-3-V-MI003)

FZU2 – 80 – 25 – 10 – 3 – [ ] – B – MI003

Flow rate	
20	20 l/min
40	40 l/min
60	60 l/min
80	80 l/min

Filtration stage			
Coarse mesh filter		Fine mesh filter	
10	10 µm	3	3 µm
16	16 µm	6	6 µm
25	25 µm	10	10 µm

Electric motor type	
1	220 V / 1 Ph
3	220/380 V / 3 Ph

Type of sensor of filter element contamination	
V	Visual
E	Electrical

Auxiliary equipment	
No code	Without ICM sensor of purity grade of hydraulic liquid
I	With ICM sensor of purity grade of hydraulic liquid

Mobile filtration unit with two filters

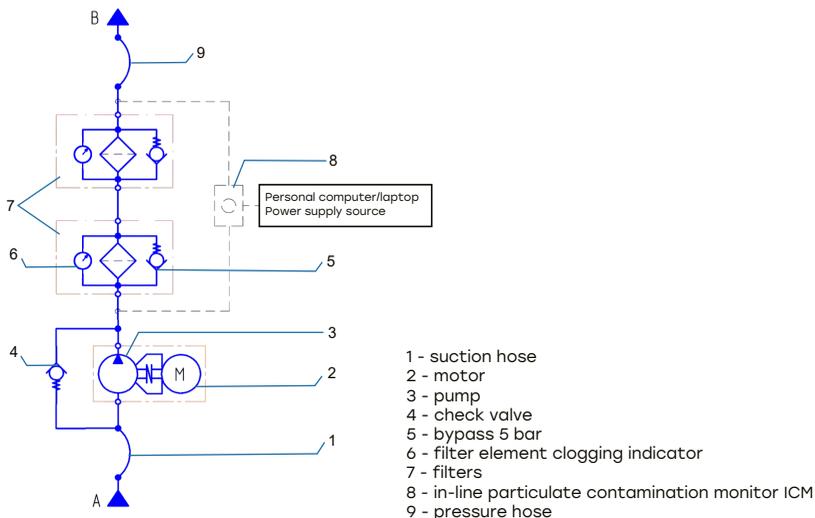
## ■ FILTERING AND REFUELING UNITS OF FZU2 TYPE

FZU2 are used for large-size hydraulic systems (with volume of hydraulic tank more than 1000 liters), include two filters with high contamination level: 1-st filter – course, 2-nd filter – fine, allowing achieving the highest filtration level of hydraulic liquid.

They also include filter element contamination indicators, allowing performing its replacement in time. Refueling units of FZU2 type can be completed additionally with sensors of purity grade of hydraulic liquid ICM, allowing real-time monitoring of lubrication purity grade contained in the tank.

### Basic technical specifications:

Flow rate	20 l/min / 0,75 kW (1 Ph, 3 Ph) 40 l/min / 0,75 kW (1 Ph, 3 Ph) 60 l/min / 1,1 kW (1 Ph, 3 Ph) 80 l/min / 1,5 kW (1 Ph, 3 Ph)
Pump type	external gear pump
Maximum working pressure	8 bar
Hydraulic liquid type	mineral oil (others – by request)
Hydraulic liquid viscosity	10 mm <sup>2</sup> /s – minimum working 400 mm <sup>2</sup> /s – maximum working
Filtration stage	3, 6, 10, 16, 25 μm
Hoses	suction hose: DN32 × 3 m pressure hose: DN38 × 5 m (other on request)
Working liquid temperature	-10...+80 °C
Optimum ambient temperature	-20...+45 °C
Protection type	IP 54 / IP68
Weight	90 kg
Auxiliary equipment	In-line particulate Contamination Monitor ICM



## ■ WHY SHOULD YOU USE FZU?

Hydraulic oils used in the industry and in the mobile applications, are supplied in drums or cans, which can contain abrasive particles of sufficiently large size. Oils are not suitable for operation practically in any hydraulic system in such initial state, because endurance of its operation depends directly on purity of the used oil.

So when filling-in of hydraulic systems with working liquid it is reasonable to use mobile filtration units (FZU), which provide the appropriate oil purity grade for no-failure system operation, increase life cycle of components of the hydraulic system and minimize equipment downtime. The appropriate FZU types are used, depending on the volume of tank of hydraulic system.

We have succeeded in considering a lot of factors which influence ergonomic qualities of the final product at early stages of assembling mobile filtration units. As a result, this has naturally impact on MFU features and shapes, meeting clients' expectations in terms of industrial aesthetic of products. We have taken as a basis that the operating personnel, operating both with mobile devices, and at large industrial facilities, is more often within limiting production conditions and sometimes encounters difficulties of MFU mobility, convenience of its connection to hydraulic system etc.

Motorimpex Company has been dealing with production of hydraulic systems at own production capacities for over than 8 years. We are producing hydraulic stations, mini power packs, electrohydraulic blocks, hydraulic cylinders and motor-pump units, proposing to the client the complete solution, for the required tasks and appropriate parameters. Such cooperation allows us naturally discovering needs in the new products at hydraulics market. Nowadays these are the self-contained mobile filtration units, which solve the key problem of contamination of the operating liquid just before its coming into hydraulic system. We are pleased to represent to you the entire line of the mobile filtration units and to be the reliable supplier of the quality hydraulic equipment for you!

Ease of transportability of the unit for connection due to the design with wheels and handles, allowing easily the operating engineer mixing MFU to hydraulic systems, located at different areas within the scale of the high industrial capacities or the parks of mobile facilities. FZU auxiliary option, used for large-size hydraulic systems is installation of ICM sensor of purity grade of the hydraulic liquid, allowing lubrication purity grade in the process of the unit operation.



**EUROPEAN CERTIFICATION AGENCY  
FOR PRODUCTION, SERVICES  
AND MANAGEMENT SYSTEMS**

SERTIFIKĀTS ATBILSTĪBAS  
**CERTIFICATE OF CONFORMITY**

Reģistrēts sertifikācijas institūciju reģistrā

Registered at the Record of certification body SIA "Eiropas produkcijas, pakalpojumu un vadības sistēmu sertifikācijas aģentūra" under №

**№ ECA.01.0089-24**

**Derīgs no 04.06.2024 līdz 03.06.2029**

Term of validity

Izsniegts sertifikāts  
Certificate is issued

**MOTORIMPEX.EU SPÓŁKA Z OGRANICZONĄ  
ODPOWIEDZIALNOŚCIĄ (MOTORIMPEX.EU sp. z o.o.)**  
ANNY WALENTYNOWICZ str., № 10, lok. 1, LUBLIN, POLAND 20-328  
(Authorization Letter for Distributorship dated 8 January 2024 from the  
Manufacturer PC MOTORIMPEX LLC, Ukraine)

Produkcijas ražotājs  
Manufacturer

**LIMITED LIABILITY COMPANY PRODUCTION COMPANY  
MOTORIMPEX (PC MOTORIMPEX LLC)**  
Kyrhyzka str., № 19, Kharkiv, Ukraine 61105

Produkcijas  
Production

**Mobile filtration units, models FZU, MFZU and their components**

Ievērot prasības  
Complies with the  
requirements

**TS U 28.1-42671881-003:2020 «Mobile filtration units of FZU type. Technical  
specifications»;**  
**EN ISO 4413:2010; EN 60204-1:2018;**  
**EN IEC 61000-6-2:2019;**  
**EN IEC 61000-6-4:2019;**  
**related to CE Directives: 2006/42/EC (Machinery); 2014/35/EU (Low Voltage);**  
**2014/30/EU (Electromagnetic Compatibility)**

Papildus informācija  
Additional information

This document has been issued on a voluntary basis and at the request of the manufacturer. In our opinion, the technical documentation received from the manufacturer regarding the requirements for Geometrical dimensions of FZU, Electrical equipment of FZU, Electrical connection with the grounding clamp, Grounding sign, Grounding resistance, Completeness, Marking; Anticipated pressure, Mechanical Information may be Contaminants, Protection switching off device, emergency switch



**MOTORIMPEX**

Our mobile filtration and refueling units are certified and meet the requirements of DSTU EN 60204-1:2015. Each project is executed individually, with parameters and deadlines agreed upon. We supply 40 categories of hydraulic equipment components from Europe. We provide urgent and planned support for our projects 24/7. The management system of the Group of Companies complies with ISO 9001:2015 standards.

## CONTACT INFORMATION

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