

SFPKPT Kit for the Pressure Transducer

L4481

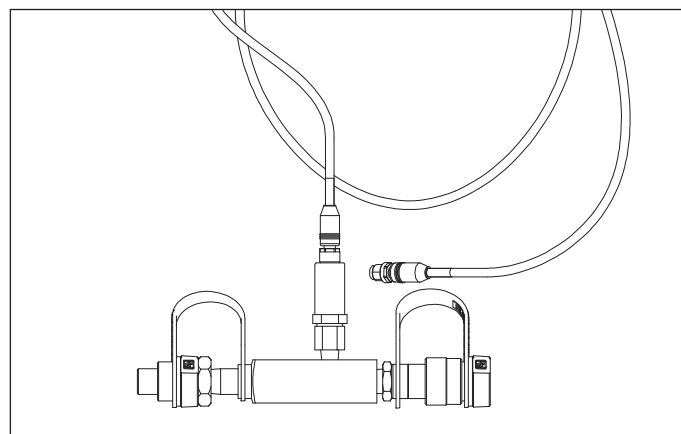
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Table of content

1.0 INTRODUCTION	1
2.0 SAFETY	1
3.0 SPECIFICATIONS	2
4.0 INSTALLATION	2
5.0 MAINTENANCE	3



1.0 INTRODUCTION

1.1 Overview

To have an oil pressure control in the SFP pressure line, a pressure transducer must be installed. This kit allows the user to install a pressure transducer at each of the SFP pressure line outlets quickly and efficiently.

1.2 Application

This kit is suitable for installation on SFP pumps containing solenoid valves. The supplied pressure transducer has a measurement range of 0 to 800 bar pressure.

1.3 Delivery Instructions

Upon delivery all components must be inspected for damage incurred during shipping. If damage is found the carrier should be notified at once. Shipping damage is not covered by the Enerpac warranty. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

1.4 Warranty

- Enerpac guarantees the product only for the purpose for which is intended.
- Refer to the Enerpac Global Warranty document for terms and conditions of the product warranty.

Any misuse or alteration invalidates the warranty.

- Observe all instructions as communicated in this manual.
- When replacement parts are needed, use only genuine Enerpac replacement parts.

Modification to any part of the equipment outlined in this manual should not be attempted, nor any component part be replaced without first consulting Enerpac. Modifications may render the equipment dangerous. Component parts are each rated to suit the demands of the overall equipment design and replacement with similar items without provenance may lead to unexpected and dangerous accidental features.

If any equipment abuse is evident, the warranty will be invalidated and Enerpac will not be made responsible for an injury due to misuse or failure to comply with the above safety notes.

2.0 SAFETY

Read all introductions carefully. Follow all recommended safety precautions to avoid personal injury as well as damage to the product and / or damage to other property. Enerpac cannot be responsible for any damage or injury from unsafe use, lack of maintenance, or incorrect operation. In the event of any questions or concerns arising, contact Enerpac or a local Enerpac distributor for clarification.

If you have never been trained on high-pressure hydraulic safety, consult your distributor or service center for information about Enerpac Hydraulic Safety Courses.

Safety Alert Symbols are used in conjunction with certain Signal Words that call attention to safety messages or property damage messages and designate a degree or level of hazard seriousness. The Signal Words used in this manual are WARNING, CAUTION, and NOTICE.

WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious personal injury.

CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate personal injury.

NOTICE

Indicates information considered important, but not hazard related (e.g. messages relation to property damage). Please note that the Safety Alert Symbol will not be used with the signal word.

2.1 Safety Precautions

WARNING

Failure to observe and comply with the following precautions could result in death or serious personal injury. Property damage could also occur.

- Read and completely understand the safety precautions and instructions in this manual before operating the SFPKPT or preparing it for use. Always follow all safety precautions and instructions, including those that are contained within the procedures of this manual.
- If alternative hydraulic pumps are used, ensure that there are adequate systems to limit the working pressure to 700 bar (10,150 psi).

- Immediately replace worn or damaged parts. Use only genuine Enerpac parts from approved distributors or service centers. Standard grade parts will break causing personal injury and property damage. ENERPAC parts are designed to fit properly and withstand high loads.
- To minimize risk of personal injury keep hands and feet away from the tool and workpiece during operation.

CAUTION

Failure to observe and comply with the following precautions could result in minor or moderate personal injury. Property damage could also occur.

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- Take care to avoid sharp bends and kinks in hydraulic hoses. Bends and kinks can cause severe back-up pressure and cause hose failure. Protect hoses from dropped objects; a sharp impact may cause internal damage to hose wire strands. Protect hoses from crush risks, such as heavy objects or vehicles; crush damage can cause hose failure.
- Do not lift hydraulic equipment by the parts do not designated by that purpose. Use only the designated carrying handles.

NOTICE

- Hydraulic equipment must only be serviced by a qualified hydraulic technician. For repair service, contact the Enerpac Authorized Service Centre in your area.
- To help ensure proper operation and best performance, the use of Enerpac oil is strongly recommended.

3.0 SPECIFICATIONS

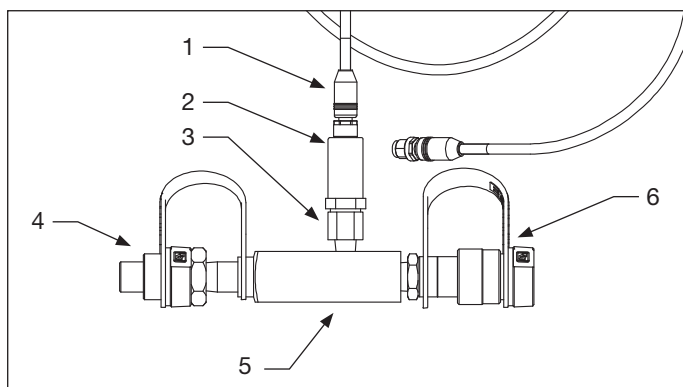


Figure 1, Major Components, SFPKPT

The SFPKPT kit is supplied with the following components:

1. Communication cable: Use this cable to connect the pressure transducer to the PLC and receive the electric signal from the device. Reference number: DB06278960
2. Pressure transducer: Transducer with a range of 0... 800 bar with 1/4" of thread and 4/20 mA. Reference number: 02-KSEEB08CMV
3. Thread adaptor: Adaptor to convert 1/4" NPTF into 1/4" BSP. Reference Number: BFZ16411
4. Male hydraulic connector. Male coupler to connect the kit to the output pressure line of the pump. Reference number CH604
5. Gauge adaptor: Device to connect gauges or other pressure readers. Reference number: GA3
6. Female hydraulic connector: Female coupler to connect the kit to the output pressure line of the pump. Reference number CR400

4.0 INSTALLATION

Follow the steps below to make the installation of each kit. Refer to Figure 2 for details

1. Be sure there is not any pressure in the system
2. Connect hydraulically the kit to the output line of the pump.
3. Connect the cable to the PLC entrance. Be careful the cable must be connected to the same corresponding output pressure line.

5.0 MAINTENANCE

There is no maintenance works for the kit. Use dust cap(s) when kit is disconnected from the hose(s) and pump. Keep the entire kit clean to prolong its life.

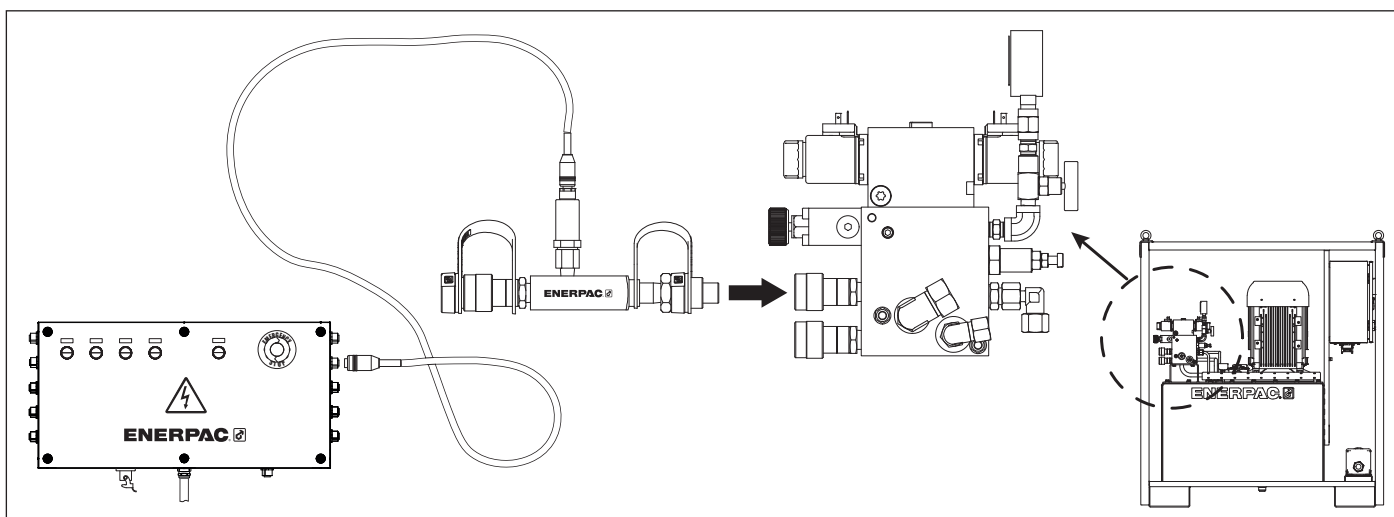


Figure 2, Installation scheme of the kit into a SFP with a SFPKSS8