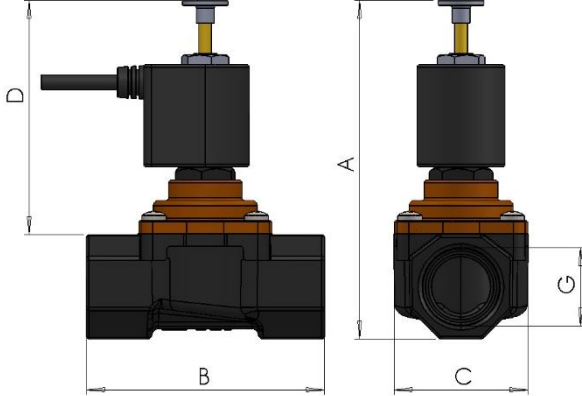


FAY SOLENOID VALVE

FOR HAND-INSTALLED, NO, NATURAL GAS,
PROPANE AND SIMILAR GASES

SLFM -SLFMS MODEL USER MANUAL



DESCRIPTION

Solenoid valves are electromechanical parts used in the control of fluids. In other words, it converts electrical energy into mechanical energy. This conversion is provided by a magnetic circuit. This magnetic circuit is solenoid coil. The solenoid coil also gives the name of the valve. Solenoid valves are the most frequently used control elements on fluids. The functions of solenoid valves can be summarized as providing flow, cutting flow, adjusting dosage or mixing of two fluids. Solenoid valves can be used in different applications as 2/2 way or 3/2 way.

TECHNICAL SPECIFICATIONS

- * Operating pressure: 0-501 / 0-6000 mbar
- * Max. Withstanding pressure: 18 bar
- * Operating temperature: -20°C / +70°C
- * Thread Length: min 20mm
- * Certification: CE
- * Gases: Naturel gas (LNG), LPG, Methane, Propan, Air, etc. Gaseous fluids.
- * Aluminum housing, internal plastic and stainless steel.

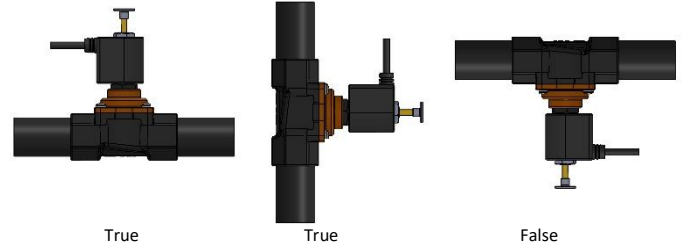
DIMENSIONS

MODEL	DN	ÖLÇÜ				
			A	B	C	D
SLFM S 20	20	3/4"	129	94	53	88
SLFMS S 25	25	1"	129	94	53	88
SLFM 32	32	1-1/4"	156	128	94	105
SLFM 40	40	1-1/2"	177	128	94	105
SLFM 50	50	2"	177	128	94	105

DIŞ ÖLÇÜLERİ (inch)	DN	MAX.TURNING EFFORT(TORQUE)	MAX.BENDING MOMENT
		MAX.DÖNDÜRME KUVVETİ (N.m)	MAX.EĞİLME KUVVETİ (Kg)
1/2"	15	42.4	4.54
3/4"	20	63.3	8.16
1"	25	84.7	14.5
1-1/4"	32	98.9	21.3
1-1/2"	40	106.2	34
2"	50	134	72.6
2-1/2"	65	134	72.6
3"	80	134	72.6
4"	100	134	72.6

INSTALLATION INSTRUCTIONS

- It must be installed by a plumber authorized by the gas distribution company.
- Before installation, it should be checked that there is no damage to the product and that the necessary parts are complete. If it is found to be damaged or missing parts, the product should not be received. Before using our products, the labels and other information on the product and the box should be checked.
- Before installation, it should be checked that the line pressure does not exceed the maximum pressure level on the product label.
- The compatibility of the product to be installed with the system to be used should be checked before installation, and the operating pressure limits specified in the technical specifications section should not be exceeded.
- **The electrical connection to the solenoid coil should be made by cable, the cables should be soldered, the joint should be wrapped with cable tape and then covered with a macaron. Open connections can cause electric shocks and short circuits.**
- Each coil should be operated at the voltage value written on it. Lower or higher voltages cause coil damage and failure.
- Pay attention to pipe cleaning before installation.
- **During the installation, the Max. Torque values should not be exceeded.**
- After connecting the solenoid valve to the pipe system with the arrow direction to the gas flow direction, wiring must be made.
- If the coil is under constant tension it will heat up and touching the heated coil may cause burns.
- The electrification-alarm time should not exceed 30 seconds.
- The coil must be controlled via ROLE. It should not be used because the current coming from the buzzer output is insufficient.
- Care should be taken not to install the solenoid valve with the coil part down. In this way, when the assembly is made, it is affected by the deposits such as rust residue and prevents the coil from moving the core part.



- While connecting the cable ends, phase-neutrals for AC voltages, plus (+) and negative (-) ends for DC voltages are connected. If there is also a ground connection point, the grounding on the cable is made externally.
- There should not be any twisting or bending in the cable to avoid any malfunctions caused by a short circuit in the cable or non-contact caused by any dents in the cable. The cable should be straight.



HOW IS WORKING

- After the assembly of the device, pull the reset knob. Wait 5 seconds by pulling. Your device will be installed. Reset is made, second time after the trial test is done by the installer by applying energy. The devices are ready in use.

RESET-RESET INSTRUCTIONS

- In case of an alarm signal, the device starts and the gas cuts off, inform the competent authority. There may even be a gas leak. Uncontrolled use causes drawbacks.
- The device can be reinstalled by companies authorized by the gas distribution company.
- Authorized persons can open the gas by confirming that there is no leak in the gas line in your building.

To do this: Please help the authorities to:

1. Switching off gas-connected devices in all apartments,
2. Close gas valves at the entrance of the apartment,
3. Check that the main column valve closed, before the solenoid valve is closed,
4. Please note that there are no ruptures or cracks in the main column and internal pipelines.

BOX INSTRUCTIONS (OUTDOOR USE)

- The device should be placed inside the box so as not to allow unauthorized persons to intervene from the outside if device installed outside of buildings.
- The dimensions of the box should be greater than the dimensions of the installed valves.
- Do not obstruct access to the reset knob of the device within the box.
- The box device is protected against external impacts, dust, water, continuous sunlight.
- The device should be placed inside the box so as not to allow unauthorized persons to intervene from the outside.
- The dimensions of the box should be greater than the dimensions of the valve.
- Do not obstruct access to the crown of the device within the box.
- The box device is protected against external impacts, dust, water and continuous sunlight.

WARRANTY CONDITIONS

MAINTENANCE, REPAIR PERIODIC INSPECTION

The device requires no maintenance. No repair or strictly interfered with the device and the column line to which it is connected, regardless of the cause. In case of malfunction, the authorities must be informed. All repairs should be done by the central service. Defective device Gas is disassembled by the companies authorized by the distributor and sent to the Central Service. After ensuring that no pressurized gas is present in the column line, the device must be removed from the line by authorized persons for repair or replacement of the device. For device has been already in used, make sure that the gas valves are closed.

After repairing the device, always use suitable sealing elements before mounting on the column. Be sure to check that the device is not leaking after repair. The device should be checked in case of reinstallation, If there is improper installation, the authorized installer or the authorized gas distribution company should be informed.

ISSUES AND PRECAUTIONS

This device must be installed by an authorized plumber in accordance with the manufacturer's plant instructions. Device not properly installed; may not work in the prescribed way or may be out of warranty gas outage. After the device has cut off the gas flow supply, it must be checked by the authorized person. If there is no gas leakage the device can be reactivated. The working pressure specified in the technical specifications should not be exceeded and the product should not be pressurized to the maximum working pressure. The device should not be treated by unauthorized persons. The device should not be tampered with, the device should not be opened, and so on. Substances should not be inserted. The device should not be dropped, from mud or stone, etc. Care should be taken to avoid. Sealing elements such as linen and Teflon used in the pipe valve connection should be prevented from escaping into the device or used with sealing chemicals. Otherwise, the device may not work or may not cuts gas flows as intended. The device is not dangerous or harmful to human or environmental health.

FAULT REASONS AND RESULTS

Fault conditions can be in three parts. In case of any failure, please contact our service center.

1.Malfunctions that may occur during transport from the factory to the end user: Some of Our devices are sold in carton some of wooden box. Return non-boxed products to the seller. During transportation, products should not be thrown, heavy shock or impact should not be applied on and should not be left in wet places. Before the device is connected to the column line, it is checked whether there is a fault. Check whether the device is being installed. Check the body and connections of the device for damage. In case of faults, the device is sent to the central service. The central service is expected to return to the person and give information. The service decides whether or not to be covered by the warranty.

2.Malfunctions of the appliance: If the device fails by tampering with enthusiasts, it is out of warranty. Do not connect the removed devices again. You may have damaged the internal components as the devices are closed by gluing them without being disassembled.

3.Failures due to external reasons following installation of the device in the gas line: Make sure the mounting directions are correct. In case of failure, the user must inform the authorized installer, or the gas distribution companies, the end user should not interfere with the device. If installation is not possible, the product is defective. When there is gas in the column line, it is closed for any reason other than electrical energy; immediately inform the authorized gas distribution company.

SERVICE AND SPARE PART STATIONS

You can contact our Center Service or our factories for detailed technical information in all your product related problems.

The warranty period starts from the date of delivery of the goods and for 5 years

1. All parts of the goods, including all our products are covered by the warranty.
2. In case of malfunction of the goods within the warranty period, the time spent in the repair is added to the warranty period.
3. The repair period of the goods can not exceed 20 working days. This period starts from the notification date to the service station of the malfunction of the goods, to the dealer, dealer, agent, representative, manufacturer or manufacturer-manufacturer of the goods in the absence of the service station. Consumer failure notification; phone, fax, e-mail, registered letter or similar way is possible. However, the obligation to prove in case of dispute belongs to the consumer. If the failure of the goods is not cleared within 10 working days, the manufacturer-manufacturer or importer; Until the repair of the goods is completed, another property having similar characteristics shall be allocated to the use of the consumer.
4. In case of malfunction of the goods within the warranty period due to both material and workmanship and assembly defects, the labor cost, the replacement part price or any cost under any name will be repaired.
5. Although the consumer uses the right to repair the goods;
-Within the period of one year from the date of delivery to the consumer, within the specified warranty period; at least four times, or more than six failures in the warranty period determined by the manufacturer-manufacturer and / or importer, as well as the failure of these malfunctions,
- Exceeding the maximum time required for repair,
-In case the service station of the company does not have a service station, it may in turn determine whether the repair of the failure is not possible with the report prepared by the seller, dealer, agent representative or one of the manufacturer-manufacturer.
6. Malfunctions arising from the use of the product contrary to the instructions contained in the manual are not covered by the warranty.
7. For the problems that may arise in relation to the guarantee certificate, the Ministry of Customs and Trade may be consulted to the General Directorate of Consumer Protection and Market Surveillance, or to the consumer courts and consumer arbitration committees for Complaints and Complaints.

Manufacturer and Importer;

Title: FAY MEKANİK MAKİNE SAN. Ve Tic. LTD.ŞTİ.

Headquarters - Central Service Address: Fetih mah. Düzgün sok. No:1/2 İç Kapı no:1 34704 Ataşehir/İSTANBUL

Telephone number: 0(216) 660 0 777

Fax: 0(216) 660 0 772

www.faymakine.com.tr

The property;

Type: Solenoid Valve

Brand: FAY

Model: SLFM/SLFM S

Band and Serial Number:

Delivery Date and Place:

Warranty Period: 5 years

Max Repair Time: 20 working days

Seller's.

Title:

Address:

Telephone:

Fax:

Invoice Date and No:

COMMISSIONING DATE: