

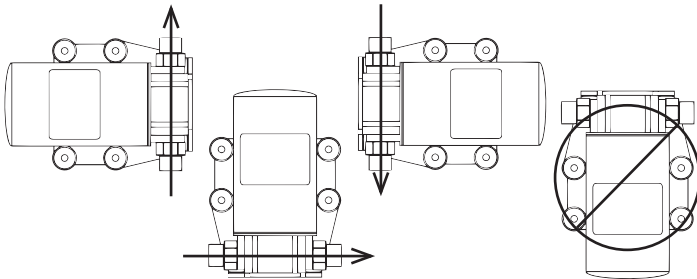
# INSTALLATION INSTRUCTIONS

Part # 17-311-10-0000  
Fluid Circulation Pump, -10 connections

Read these instructions completely before beginning installation or service.

### KIT CONTENTS

QTY.	DESCRIPTION
1	Pump assembly
1	Pump mounting bracket (pre-installed)
2	JIC 37° 5/8" (-10 AN) adapter fittings (pre-installed)



**CAUTION:** To prevent injury, allow vehicle to cool before attempting installation and/or disassembly and cleaning.

### INSTALLATION

1. This pump system can be mounted in the orientations detailed above, except with the pump head above the motor.
2. Use a minimum 5/8" I.D. (-10AN) hose for all suction and discharge plumbing.

**CAUTION:** This is a positive-displacement pump with no internal bypass. Care should be taken not to operate the pump with either suction or discharge sides closed/ blocked. Ensure that all system valves are open prior to pump operation.

3. Prime pump before initial use by pouring a small amount of liquid to be pumped (about 3 oz.) into suction hose and run the pump for a few seconds to draw liquid into pump.

### FLUIDS

Pump is designed to circulate oil-based and water-based fluids—**NOT FOR USE WITH GASOLINE.**

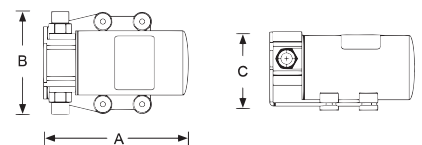
### ELECTRICAL

Ensure the available power source and wire size match specification for this model (8 amp max. draw / 10 amp fuse). Direction of flow is normally left-to-right, although polarity can be reversed to run the pump in the opposite direction.

**CAUTION:** Motor is not ignition-protected — spark could cause explosion in confined area with fuel vapor.

### TECHNICAL SPECIFICATIONS

Flow Rate	up to 2 GPM / 7.6 LPM	
Inlet / Outlet	JIC 37° 5/8" (-10)	
Voltage	12 V	
Electrical connector	Sumitomo style 6010-2802	
Self-priming	5 ft / 1.5 m (wet gears)	
Fuse	10 A / 12 V	
Max. Amp Draw	8 A / 12 V	
Max. Work Pressure	50 psi / 3.4 bar	
Max. Work Temperature	tested to 250+ °F / 121+ °C	
Gears	Bronze	
Shaft	Stainless steel	
Ingress Protection Rating	IP65	
Dimensions	A	5.5" / 140 mm
	B	4.5" / 99 mm
	C	3" / 76 mm
	Weight	3.57 lbs / 1.6 kg



### sūsa ACCESSORIES AVAILABLE

PART NO.	DESCRIPTION
31-TS180-10* *many sizes available	Thermal Switches – in-line swivel fittings with integrated thermal switch to control 12V accessories at set temperature; in 6AN-12AN, 180°F and 190°F
31-R30A-5P	Bosch-type 5-pin 30/40A power relay and socket
11-IF1010-D	In-line Pump Pre-filter, 150µ (in 6AN-10AN)
22-AN10SU-AN10-00	Swivel union/couplers – for coupling in-line filters & accessories with pump (in 6AN-12AN)

For additional accessories visit [www.setrabusa.com](http://www.setrabusa.com)