

Light oil and kerosene pumps

- VC
- VSC
- VSK
- VSE
- KR

Category:	Non-Capacity Type Solenoid Pump
Application:	Oil Series
Classification:	Pressure (Piston) Type

FEATURES:

- These non-capacity solenoid pump models are linearly controlled by pulse with modulation (PWM) in variable pressure oil applications.
- Every pump models in this series can be adapted at the factory input use with one of different input voltages. For the AC input voltage options, usually the pump output pressure is generated when a half-wave AC voltage is applied.

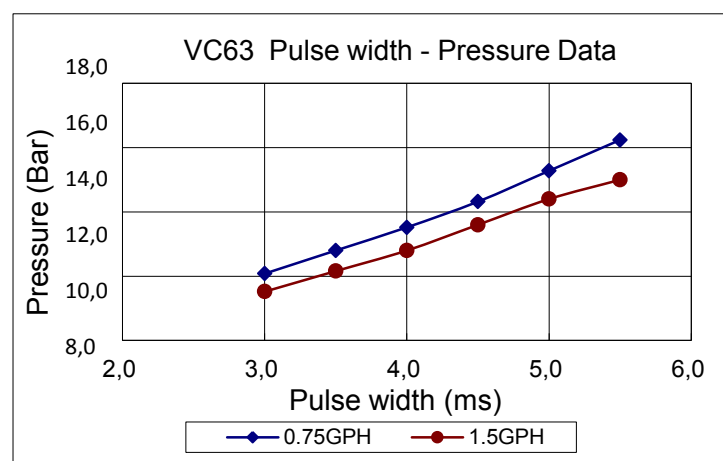
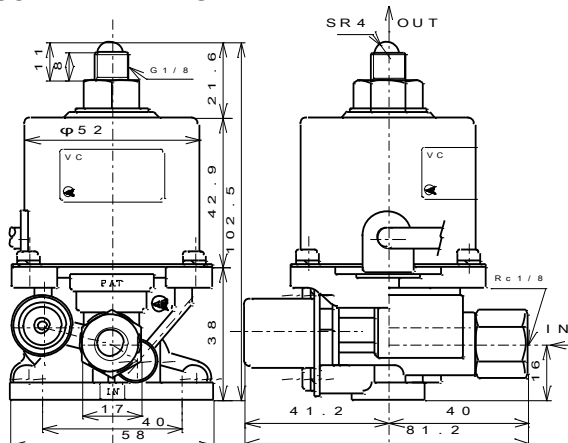
**PRIMARY APPLICATIONS:**

- Used as a precision (PWM controlled) "gun-type" burner in kerosene space heaters and light oil water boilers.
- Used as a pressure type actuator.

SPECIFICATIONS:

MODELS	VC63
SPECIFICATIONS	
Power Sources	100 - 240VAC [Pulse Width Modulation Circuit Board is Required] 12 - 24VAC [Pulse Width Modulation Circuit Board is Required]
Power Consumption	19W (Typ.) / 45W (Max)
Maximum Free Flow Rate	10L/H (TyP.)
Maximum Pressure (No Flow)*	18 Bar (TyP.)
Pressure Regulation System	Without a mechanical pressure regulation system
Corresponding Nozzle	1.0GPH ~ 1.5GPH
Suction Level(m)	-1m ~ +2m
Internal Solenoid Cut-off Valve	Yes
Operating Temperature	-20 ° C ~ 40 ° C (Non-Freezing)
Mounting Thread	2x M6*1
Piping Connection Sizes	Intake : R 1/8" B male, R 1/8 female, G 1/8 male Outlet : G 1/8" B (Half Spherical Surface of Radius 4 mm),
Weight	0.72 kg

* Measurements of the maximum flow rate and the maximum pressure are dependent upon the type of nozzle used conjunction with each pump. The values given above for VC63 pump models is derived from calculations using 0.4 gal / h and 0.85 gal / h nozzles, respectively.

OUTLINE DRAWING:

The graph is a central value and not a guaranteed value.

Category :	Non-Capacity Type Solenoid
Application :	Oil Series
Classification :	Pressure Type (Piston Type)

FEATURES:

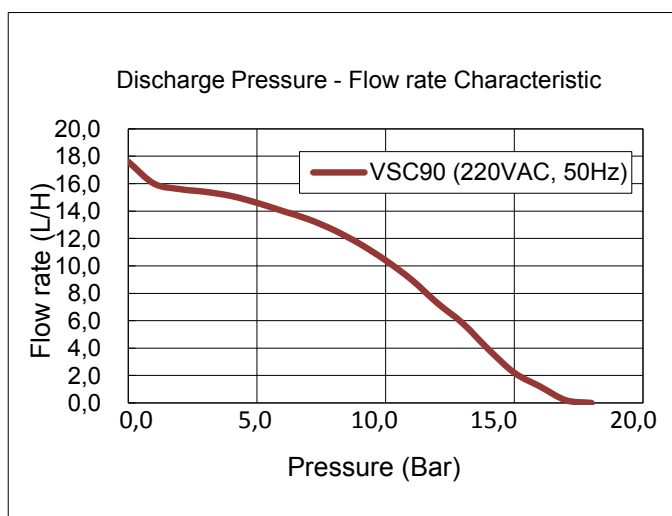
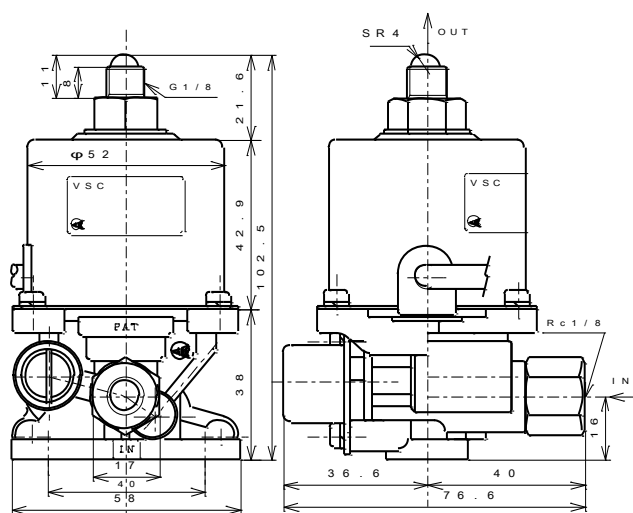
- The popular NIPCON non-capacity type of solenoid pump models are in the most commonly used configuration for high pressure oil applications.
- These pumps include a relief valve that can be manually adjusted to regulate the internal pressure of the pump for optional useful operating characteristics.

PRIMARY APPLICATIONS:

- Used as a “gun-type “burner with kerosene and light oils for space heaters and water boilers, and so on.
- Used with light oils in pressurized lubricating systems.

**SPECIFICATIONS:**

SPECIFICATIONS	MODELS	VSC90
Power Sources		100 - 240VAC (50 / 60Hz) [Half-Wave Rectifier is Required]
Power Consumption		30W (TyP.) / 45W (Max)
Maximum Free Flow Rate		18L/H (TyP.)
Maximum Pressure (No Flow)		18 Bar (TyP.)
Pressure Regulation System		Relief Valve
Corresponding Nozzle		1.5GPH ~ 2.5GPH
Suction Level(m)		-1m ~ +2m
Internal Solenoid Cut-Off Valve		Yes
Operating Temperature		- 20 ° C ~ 40 ° C (Non-Freezing)
Mounting Thread		2x M6*1
Piping Connection Sizes		Intake : R 1/8" B male, R 1/8 female, G 1/8 male Outlet : G 1/8" B (Half Spherical Surface of Radius 4 mm),
Weight		0.75kg (1.65lbs)

OUTLINE DRAWING:

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Category:	Non-Capacity Type Solenoid Pump
Application:	Oil Series
Classification:	Pressure (Piston) Type

FEATURES:

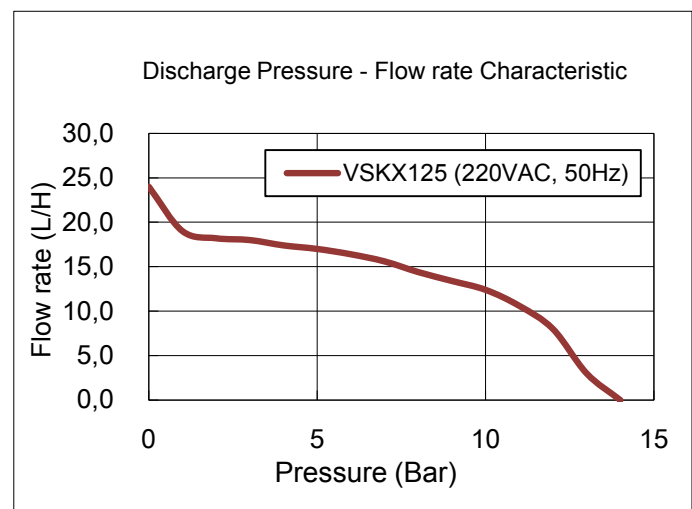
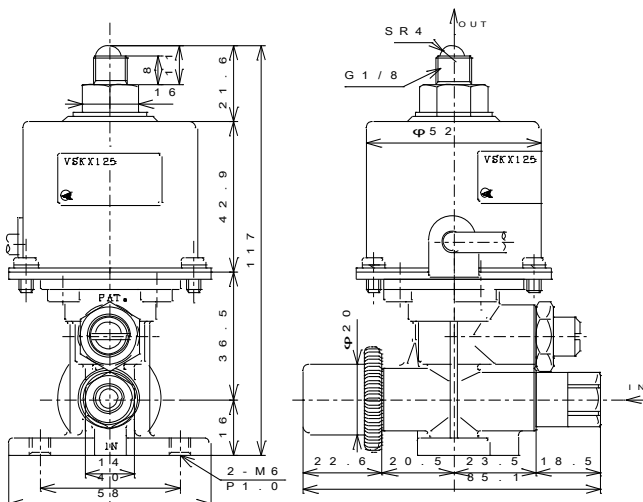
- This popular non-capacity type solenoid pump model is in the most commonly used configuration for high pressure, large capacity oil applications.
- These pumps include a relief valve that can be manually adjusted to regulate the internal pressure of the pump for optimal useful operating characteristics.

PRIMARY APPLICATIONS:

- Used as a "gun-type" burner with kerosene, bio-diesel oils and light oils for space heaters and water boilers, and so on.
- Used with light oils in pressurized lubricating systems.

**SPECIFICATIONS:**

SPECIFICATIONS	MODELS	VSKX125
Power Sources		100 - 240VAC (50 or 60Hz) [Half-Wave Rectifier is Required]
Power Consumption		38W (Typ.) / 60W (Max)
Maximum Free Flow Rate		24L/H (Typ.)
Maximum Pressure (No Flow)		14 Bar (Typ.)
Pressure Regulation System		Relief Valve
Corresponding Nozzle		2.50GPH ~ 3.75GPH
Suction Level		-1.0m ~ +2.0m
Internal Solenoid Cut-off Valve		Yes
Operating Temperature		-20 °C ~ 40 °C (Non-Freezing)
Mounting Thread		2x M6*1
Piping Connection Sizes		Intake : R 1/8" B male, R 1/8 female Outlet : G 1/8" B (Half Spherical Surface of Radius 4 mm)
Weight		0.75kg (1.65lbs)

OUTLINE DRAWING:

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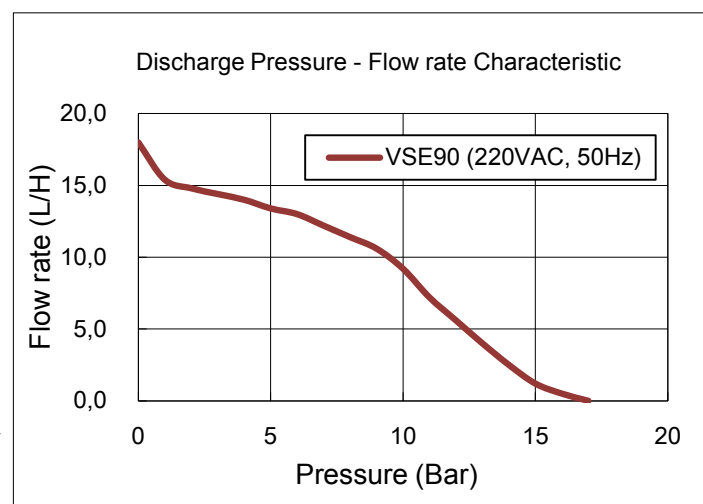
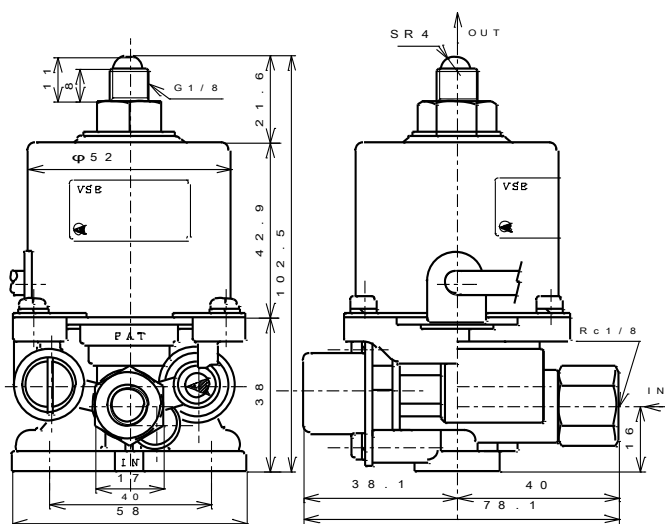
Category:	Non-Capacity Type Solenoid Pump
Application:	Oil Series
Classification:	Pressure (Piston) Type

FEATURES:

- These non-capacity type solenoid pump models are typically used for high pressure oil applications. They have a mechanism that is activated when the pump is stopped which discharges any residual pressure remaining inside the pump.
- These pumps include a relief valve that can be manually adjusted to regulate the internal pressure of the pump for optimal useful operating characteristics.
- Used as a precision voltage phase controlled "gun-type" burner to alleviate the problem of excessive noise levels generated by the dramatic increase in furnace pressure when the boiler is first started.
- Used with light oils in pressurized lubricating systems.

PRIMARY APPLICATIONS:**SPECIFICATIONS:**

SPECIFICATIONS	MODELS	VSE90
Power Sources		100 - 240VAC (50 or 60Hz) [Half-Wave Rectifier is Required]
Power Consumption		30W (TyP.) / 45W (Max)
Maximum Free Flow Rate		18L/H (TyP.)
Maximum Pressure (No Flow)		17 Bar (TyP.)
Pressure Regulation System		Relief Valve
Corresponding Nozzle		1.5GPH ~ 2.5 GPH
Suction Level		-1m ~ +2m
Internal Solenoid Cut-off Valve		Yes
Operating Temperature		-20 ° C ~ 40 ° C (Non-Freezing)
Mounting Thread		2x M6*1
Piping Connection Sizes		Intake: R 1/8" B male, R 1/8 female, G 1/8 male Outlet : G 1/8" B (Half Spherical Surface of Radius 4 mm)
Weight		0.75 Kg

OUTLINE DRAWING:

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Category:	Non-Capacity Type Solenoid Pump
Application:	Oil Series
Classification:	Flow (Plunger) Type

FEATURES:

- These Non - Capacity Type solenoid pump models are designed to function even with large suction heads in oil applications. In fact, these pumps can lift up to 16 L/H with a suction head of 1.8m.

PRIMARY APPLICATIONS:

- Used to transfer oil from a tank that is a considerable distance below the pump.

**SPECIFICATIONS:**

SPECIFICATIONS	MODELS	KR6
Power Sources		100 - 240VAC (50 or 60Hz) [Half-Wave Rectifier is Required]
Power Consumption		1.6W (TyP.) / 4.0W (Max)
Maximum Free Flow Rate		16L/H (TyP.)
Maximum Pressure (No Flow)		0,4 Bar (TyP.)
Suction Level		-1.8m
Operating Temperature		-20 ° C ~ 40 ° C (Non-Freezing)
Mounting Thread		2x M4*1
Piping Connection Sizes		Intake : R 1/8 Outlet : G 1/4 B (Half Spherical Surface of Radius 4 mm)
Weight		0.20 Kg

OUTLINE DRAWING: