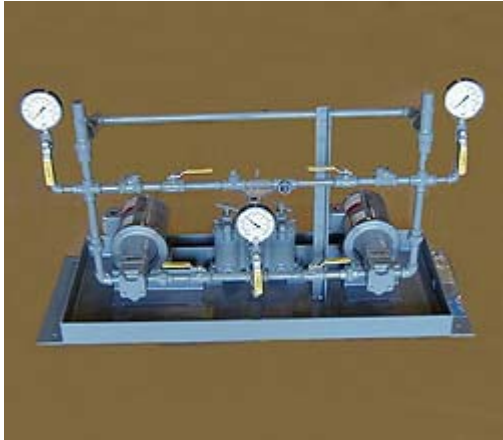


S-K Systems™ “E” Series Duplex Light Fuel Oil Pump



Units are pre-tested packaged assemblies, designed for use in commercial and light industrial applications that require fuel oil transfer pumps for boilers, burners or emergency generators. These units use Viking™ pumps and are built to the same high quality standards as our “S” Series Pump Sets but are designed to offer a more competitive price.

We offer the lowest cost production, the most competitive lead-times for proposals and submittal drawings/packages and the quickest delivery. Our systems stand above the rest in terms of craftsmanship and workmanship and are covered by our limited warranty. S-K Systems™ is the preferred choice for high quality pump set production.



E-Series Relay Logic Control

Standard Features:

- Duplex arrangement with ball valves and check valves offering true pump isolation.
- Reliable Viking™ pumps and name brand motors.
- Drip pan base that surround the entire pump set.
- Stainless Steel, liquid filled, suction and discharge gauges.
- Duplex strainer for uninterrupted service.
- External relief valves with dedicated return to tank piping for safety.
- Single or three phase motors at the same price.
- Complete functional and leak testing with test report.

Optional Equipment:

Flow switch or pressure switch for flow or pressure confirmation.

S-K Systems™ uses name brand flow switches and pressure switches to confirm flow and pressure. These flow switches and pressure switches can be integrated with the panel to activate the back-up pump should the primary pump fail (lead/lag).

Pump flex connectors and vibration isolators.

S-K Systems™ can mount the pump and motor on vibration pads and connect the pumps to the piping via stainless steel flexible connectors to reduce pump-set noise and vibration.

Diaphragm type back pressure valve for pressure control.

S-K Systems™ can install a diaphragm type back pressure valve on the pump set to insure that the line pressure does not exceed the rating of components used downstream.



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Differential pressure switches for strainer alarming.

S-K Systems™ can install a differential pressure gauge with switch around the suction strainer. This unit will monitor the condition of the strainer, and when combined with an alarm in the control panel, will notify the operator that the strainer needs to be switched to the clean basket and the dirty basket needs to be cleaned.

Leak detection switches.

S-K Systems™ can install a leak detection switch in the drip pan that comes with all S-K Systems™ pump sets. This unit can be wired in to an alarm on the control panel to notify the operator that there is oil accumulating in the drip pan.

Control panels in NEMA 1, 12, 4 or 4X, single or three phase.

S-K Systems™ can supply a control panel for the pump set. Standard control configurations can be packaged with manual transfer switch, auto alternate function and/or lead/lag function. The standard panel includes; main disconnect, pump motor starters and overloads, H-O-A switches and pilot lights for each pump and terminal strip wiring in a NEMA 1 enclosure. We can supply a panel to meet any customer requirement and offer the panels in all standard NEMA configurations. Standard panels are offered with relays for best value but we can also supply PLC panels with Ethernet or other communication protocols to integrate the unit into the building network. All panels are available mounted on and wired to the skid for easy installation and start-up. All panels are 100% tested in the factory and include test certificate.

Flow and Pressure Ratings:

E-Series Size	Flow GPH @ 25psi	Flow GPH @ 50psi	Flow GPH @ 75psi	Flow GPH @ 100psi	Flow GPH @ 125psi	Flow GPH @ 150psi
E-30	39	38	37	36	35	34
E-60	60	59	58	58	57	54
E-90	84	82	80	78	76	76
E-120	120	119	117	116	115	113
E-180	225	219	213	209	206	202
E-300	307	307	301	296	290	274
E-360	405	390	382	375	367	356
E-500	570	550	530	510	NA	NA



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Flow and Pressure Ratings:

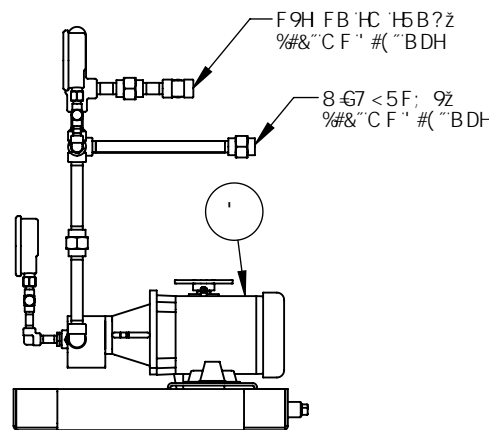
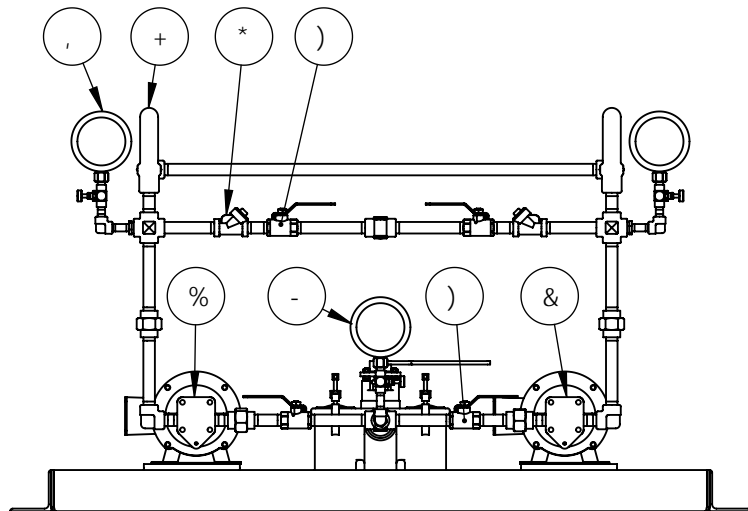
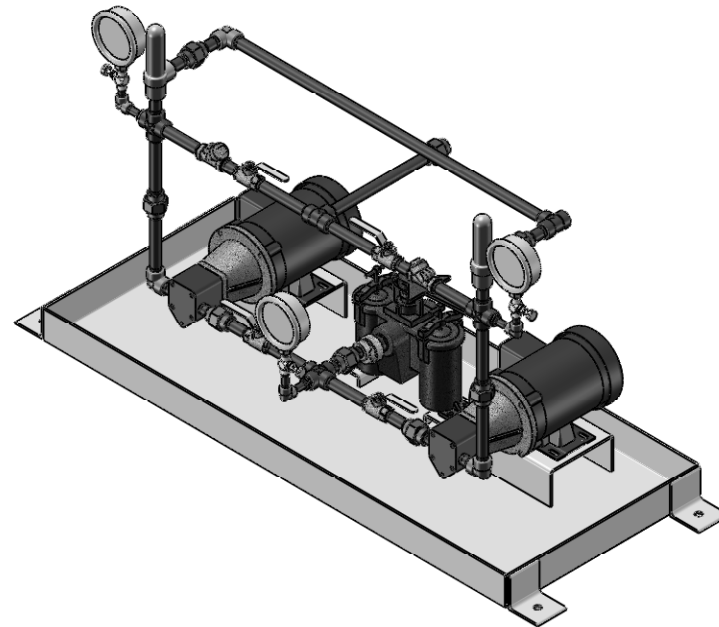
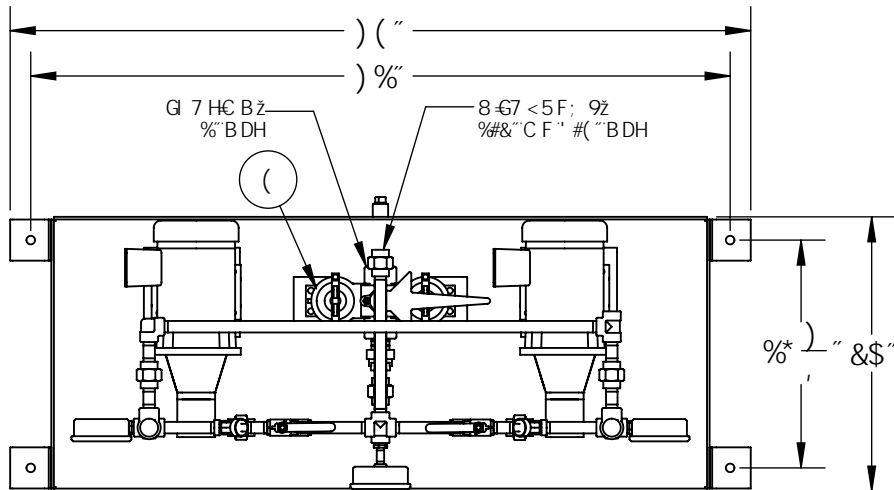
E-Series Size	Flow GPH @ 175psi	Flow GPH @ 200psi	Flow GPH @ 225psi	Flow GPH @ 250psi	Flow GPH @ 275psi	Flow GPH @ 300psi
E-30	33	32	31	30	30	29
E-60	53	53	52	51	51	50
E-90	75	74	73	72	71	70
E-120	112	111	111	110	109	109
E-180	199	196	194	191	189	186
E-300	268	263	259	254	250	246
E-360	348	339	NA	NA	NA	NA
E-500	NA	NA	NA	NA	NA	NA

Mechanical Part Number Configuration:

Series	GPH	Arrangement	Pressure	Pump Seal	Motor Phase	Strainer	Discharge Switch Options
E	30	D - Duplex	25	L - Lip	1	D - Duplex	FL - Flow Switch
	60	S - Simplex	50	M - Mech	3	S - 2Simplex	2FL - 2 Flow Switch
	90		75			2D - Duplex	LF - Low Flow
	120		100				2LF - 2 Low Flow
	180		125				PS - Pressure Switch
	300		150				
	360		175				
	500		200				
			225				
			250				
			275				
			300				

Note(s):

- 1) All systems with operating pressures at or above 150 psi are constructed with 300lb fittings
- 2) E-500 Series systems have a maximum operating pressure of 100 psi
- 3) E-360 Series systems have a maximum operating pressure of 200psi



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