

Liberty Pumps®

NEW!

ISS-Series Simplex

ISD-Series Duplex



Intrinsically Safe Control Panels

Standard Features:

- Intrinsically safe relays and wiring terminals for float controls
 - NEMA 4X enclosure
 - Magnetic motor contactor(s)
 - Hands-Off-Auto switch(s)
 - Green pump run indicator(s)
- Terminal block for easy wiring
 - Red alarm beacon
 - Audible horn (83-85 db)
 - Auxiliary dry contacts
- Seal fail indicator light(s) and test switch
- Prewired for run capacitor (single phase models)



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ISS-Series Simplex ISD-Series Duplex Intrinsically Safe Control Panels

ISS-Series and ISD-Series control panels are designed for use with pumps installed in hazardous environments. These panels, when used with explosion-proof rated pumps, provide a safe system that will not allow ignition of explosive gases. They are not intended to be installed in the space classified as needing explosion proof equipment. All ISS or ISD panels must be installed outside of the hazardous environment and all conduits leading to the panel must be sealed in accordance with section 501-5 of the NEC. Installation by a qualified electrician in accordance with all applicable national and local codes pertaining to hazardous equipment is required.

ISS-Series SIMPLEX Models

MODEL	VOLTS	FULL LOAD AMPS	PHASE	ENCLOSURE	WGT. LBS.
ISS24LC1=3	120/208/240	0 – 15	1	NEMA 4X	25
ISS34=3-131	208/240/480	1.6 – 2.5	3	NEMA 4X	25
ISS34=3-141	208/240/480	2.5 – 4.0	3	NEMA 4X	25
ISS34=3-171	208/240/480	4.0 – 6.3	3	NEMA 4X	25
ISS54=3-121	575	1.6 – 2.5	3	NEMA 4X	25
ISS54=3-151	575	2.5 – 4.0	3	NEMA 4X	25

ISD-Series DUPLEX Models

MODEL	VOLTS	FULL LOAD AMPS	PHASE	ENCLOSURE	WGT. LBS.
ISD24LC2=3	120/208/240	0 – 15	1	NEMA 4X	38
ISD34=3-131	208/240/480	1.6 – 2.5	3	NEMA 4X	38
ISD34=3-141	208/240/480	2.5 – 4.0	3	NEMA 4X	38
ISD34=3-171	208/240/480	4.0 – 6.3	3	NEMA 4X	38
ISD54=3-121	575	1.6 – 2.5	3	NEMA 4X	38
ISD54=3-151	575	2.5 – 4.0	3	NEMA 4X	38

SWITCH SPECIFICATIONS:

All panels include (3) pilot-duty float controls for “Off”, “On” and “Alarm”.

35’ standard cord length.

5 amp, 120/230 VAC, 50/60hz.

140 Degrees F. maximum fluid temperature.

NOTE: ISS and ISD panels come with a variable amp range and must be ordered to correctly match the full load amperage of the pump(s) being used. Use the chart above or consult factory for proper panel sizing.

Three-phase panels come equipped with thermal overload protection that must be properly sized to the pump(s) full-load run amps.

All ISS and ISD-Series panels are shipped with 3 control floats.

Standard float cord length is 35’.

Consult factory for 4-float systems and other panel options.

Consult factory for proper panel sizing.

Consult X-Series literature for appropriate capacitor kit.

ENCLOSURE

NEMA 4X

Ultraviolet stabilized thermoplastic for outdoor or indoor installations.

DIMENSIONS

	Width	Height	Depth
ISS-Series	14"	16"	6"
ISD-Series	16.5"	18.5"	7.5"



Specifications are subject to change without notice.