

# SpecPAK

## INLINE 1100

COMPACT, MULTI-PUMP SYSTEM

The Franklin Electric Inline 1100 SpecPAK™ Pressure Boosting System connects easily to nearly any commercial, industrial, or multi-residential plumbing configuration to provide an easy to size water pressure boosting solution. Contractors simply determine how much water is required to be boosted to the desired constant pressure output and the system comes properly packaged. The pump itself, the Franklin Electric Inline 1100, is a quiet, all-in-one constant water pressure system that contains the pump, motor, and drive in a compact package. As water volume needs increase, the pump instantly accelerates to the proper speed to ensure the water pressure stays constant throughout the application.



Meets the Requirements of NSF 372





# INLINE 1100 SPECPAK

## FEATURES

- All stainless components for corrosion resistance and uncompromised water quality
- Electrical design with multiple fuses to prevent surge damage to control electronics
- Manifold and pump circuit piping sized to accommodate a full range of flows with minimal losses from hydraulic friction
- Grooved plumbing connections reduce set-up time and minimize external stress transfers between piping connections
- Full port ball valves used to reduce pressure loss through fittings and maintain smooth, consistent water velocities through the system

## EASE OF INSTALLATION

- Flexibility to add pump modules to the base package so the system can grow to accommodate new or unexpected water demands (PATENT PENDING)
- Quick connections within the individual pump circuit piping allowing service/installations to be performed with minimal labor and tools
- Wall-hung unit minimizes the required installation space, preserving critical floor space while allowing for easier, eye-level system maintenance
- Compact footprint
- 44-3/16" vertical distance between inlet/outlet manifolds
- 64.25–68.25" total height including the control panel
- 14.5" total depth
- 30.125–52.125" wide
- UL508A panel with lockable electrical disconnects
- Prewired electrical quick connectors between each pump and the control panel
- Complete package system provides pressure and flow in a simple, single unit



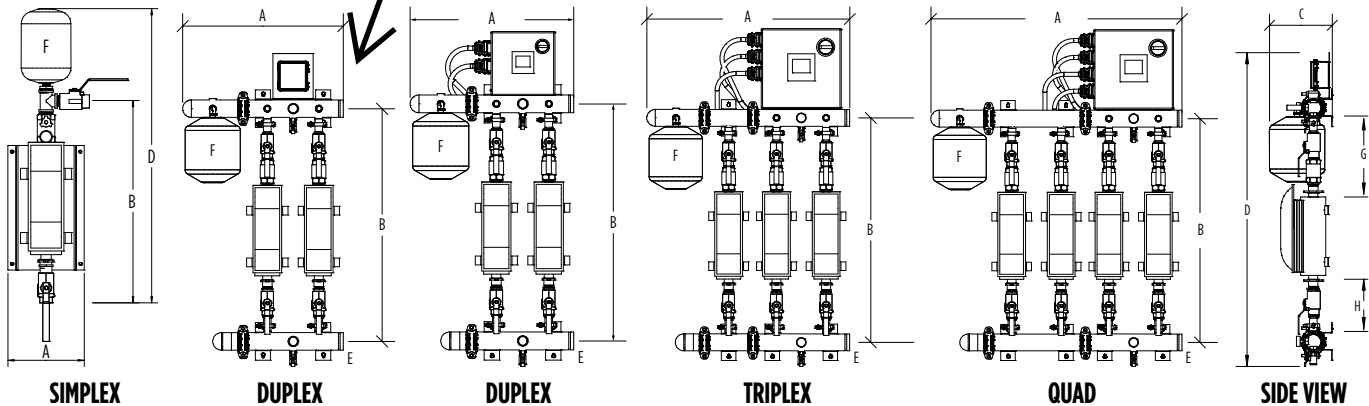
Meets the Requirements of NSF 372

## CONTROL PANEL

- Color-Touchscreen, Programmable Logic Control (PLC) allows for system control without opening the panel
- Modbus, ethernet, or cell radio communication capable (requires optional card) allowing for remote monitoring and control
- Lead/lag or parallel pump operation can be easily selected through system settings
- Allows for various lead pump rotation balancing schemes, providing choices for a multitude of setup configurations
- Allowance for operation in a commissioning mode within the control sequence
- Lockable fused branch disconnects allow offline pump to receive maintenance while remaining pumps stay online
- Field programmable to allow for firmware updates

## INLINE 1100 SPECPAK

### DIMENSIONS & SPECIFICATIONS



Description	Order No.	Model No.	Width	Manifold Distance	Depth	Overall Height	Site Connection	Tank Capacity	Discharge Circuit	Suction Circuit	No. of Pumps	Max Flow (GPM)	Max Boost (PSI)	Volts	Max Amps
			A	B	C	D	E	F	G	H					
Simplex	574705900	11L-2301414-T1S	12-1/8"	32-1/2"	14-1/2"	47-1/4"	1-1/2" FNPT	2.0 Gal	1-1/2"	1-1/2"	1	40	60	230 V	12.0
Duplex w/ alternator	574705901	21L-23033-G1S	32-1/8"	44-3/16"	14-1/2"	64-1/2"	3" Groove	4.8 Gal	13.41"	8.25"	2	80	60	230 V	26.5
Duplex w/ CP and pressure transducer	574705902	21L-23033-G1T	32-1/8"	44-3/16"	14-1/2"	64-1/2"	3" Groove	4.8 Gal	13.41"	8.25"	2	80	60	230 V	26.5
Triplex w/ CP and pressure transducer	574705903	31L-23033-G1T	42-1/8"	44-3/16"	14-1/2"	68-1/2"	3" Groove	4.8 Gal	13.41"	8.25"	3	120	60	230 V	38.5
Quad w/ CP and pressure transducer	574705904	41L-23033-G1T	51-1/8"	44-3/16"	14-1/2"	68-1/2"	3" Groove	4.8 Gal	13.41"	8.25"	4	160	60	230 V	50.5

### MODEL NOMENCLATURE

2 1 L - 2 3 0 3 3 - G 1 T

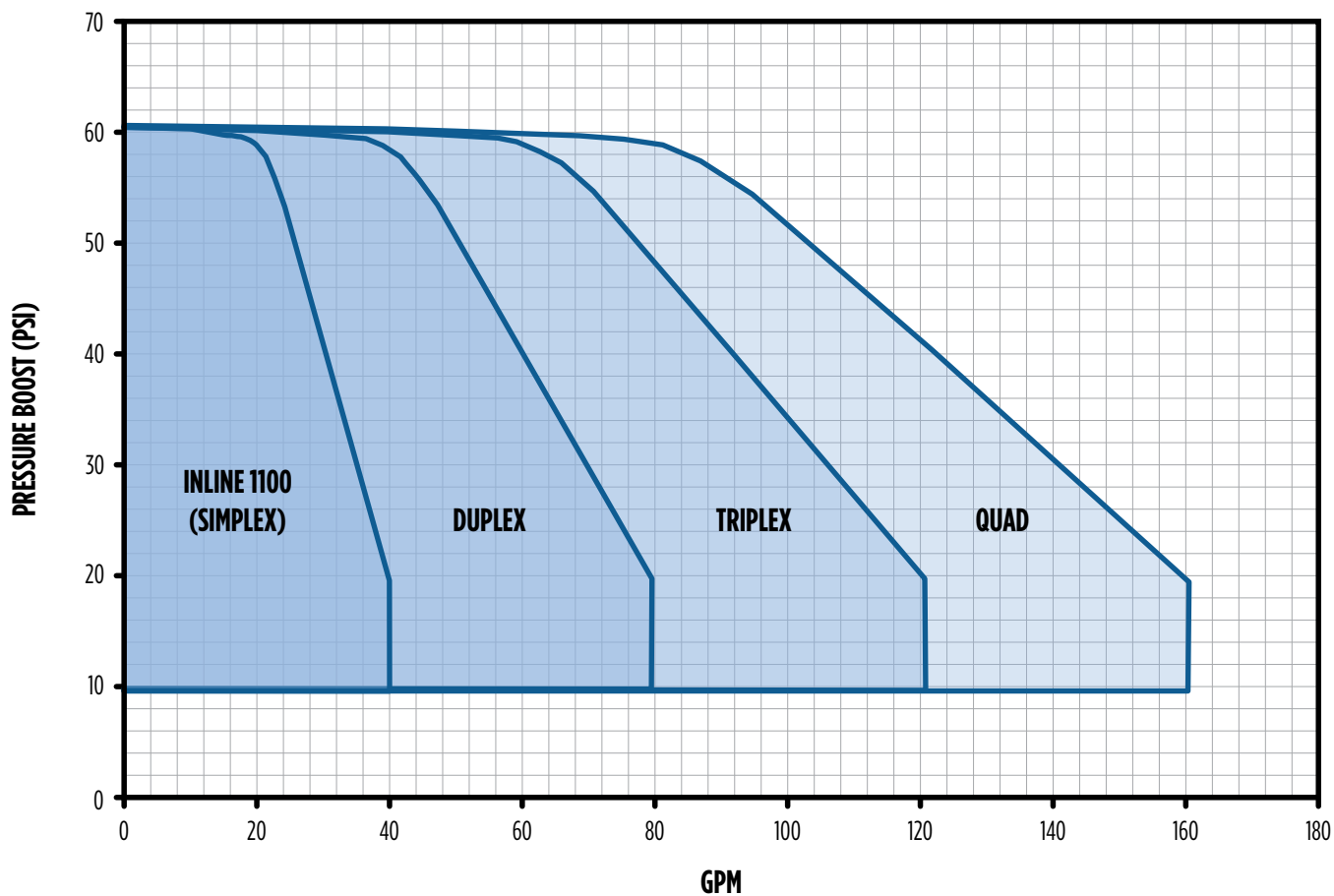
- (T) Transducer, (S) Switch
- (1) with Tank, (0) without Tank
- (G) Grooved (T) Threaded Connection Style
- Outlet Plumbing size in Inches (14, 1-1/4"; 3, 3.0")
- Inlet Plumbing Size in Inches (14, 1-1/4"; 3, 3.0")
- Input Voltage
- Product Family Type (Inline 1100)
- Number of Pumps in Package (1, 2, 3, 4)





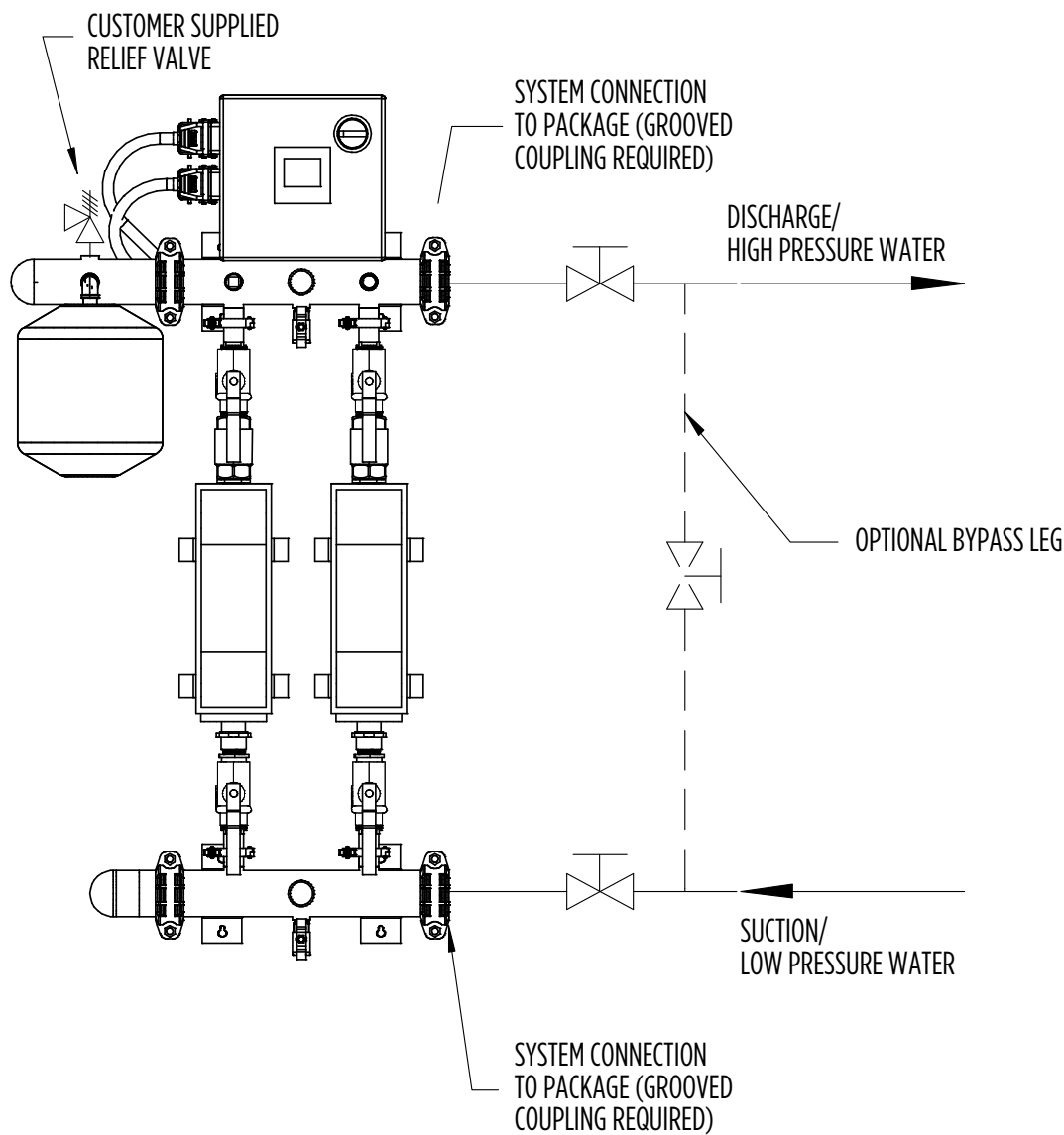
# INLINE 1100 SPECPAK

## FAMILY CURVE



## INLINE 1100 SPECPAK

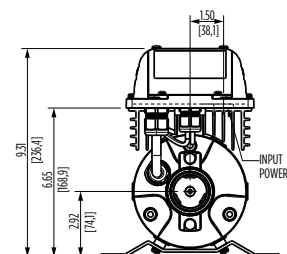
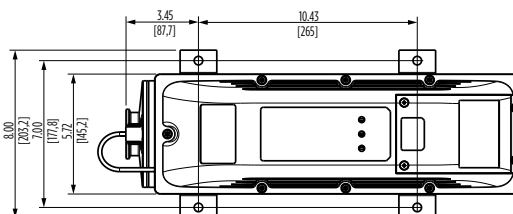
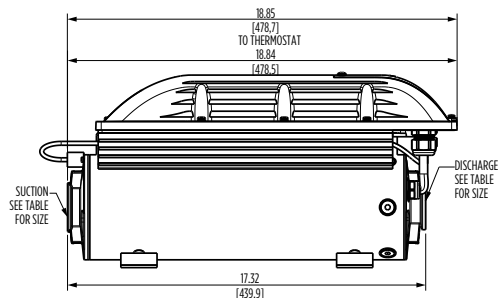
### TYPICAL SITE PLUMBING CONFIGURATION





# INLINE 1100

## DIMENSIONS & SPECIFICATIONS



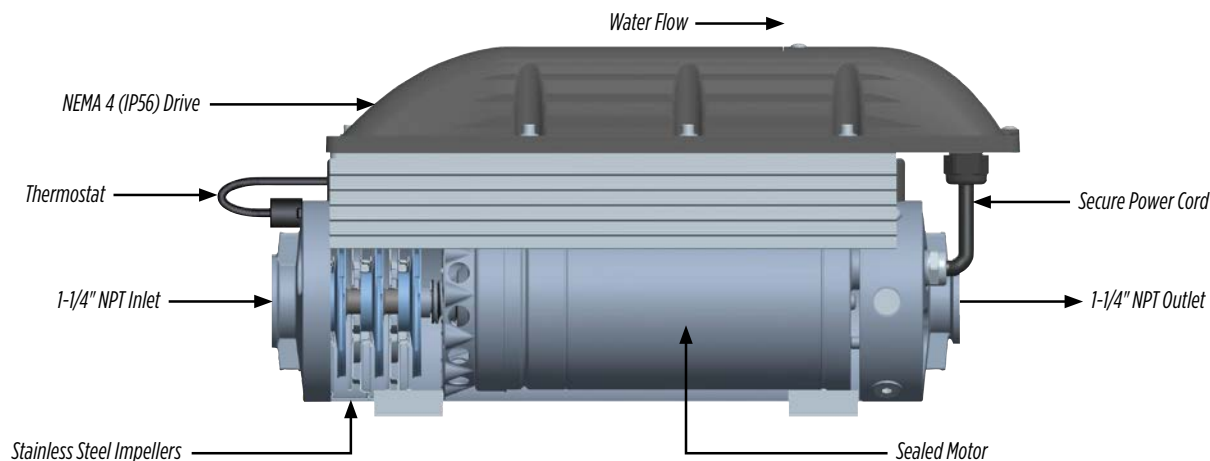
Ratings, Capacities, and Electric Details	
Flow Range	0-40 GPM
Required Inlet Pressure	2-5 PSI
Discharge Pressure	Up to 60 PSI boost. Standard max outlet 80 PSI, optional high press outlet 100 PSI.
Electrical Requirements	240 V, 1-PH, 60 Hz
Max Operating Amps	12A
Max Water Temperature	104 °F (40 °C)
Control Panel Items	NEMA 4 rated electrical termination housing. Pump includes motor, variable speed drive, pressure switch, and overtemp switch.

Model Description	Order No.
25SDIL1100N4* (Complete pump w/NPT)	90401101
25SDIL1100N4-B* (Complete pump w/BSP)	90401102
Electronic Drive Assembly	305707901
Pump & Motor Assembly w/NPT	305707902
Pump & Motor Assembly w/BSP	305707911
Mounting Feet	305707903
Pressure Switch	305707906
Pressure Tank (2 gallon)	305707910
Fastener Kit	305707904
Pressure Switch Cable	305707905
Overpressure Switch**	305707909
Overpressure Switch Cable**	305707908
Overpressure Switch & Cable Combo**	305707912
Thermostat Kit	305707917

\* Includes pump, motor, drive, pressure switch, and all cables.

\*\* Overpressure switch is sold as an accessory and is not required for normal operation.

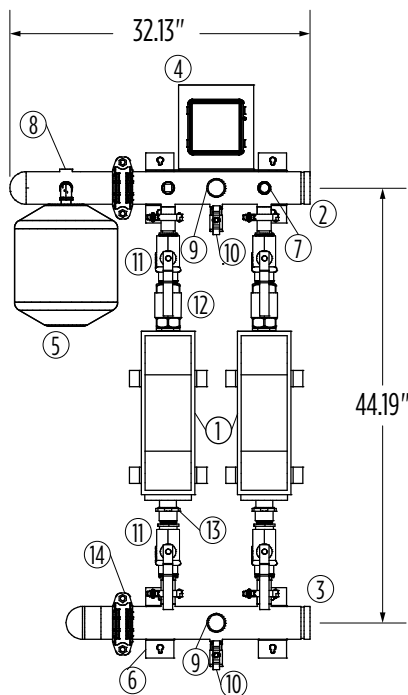
## SYSTEM COMPONENTS



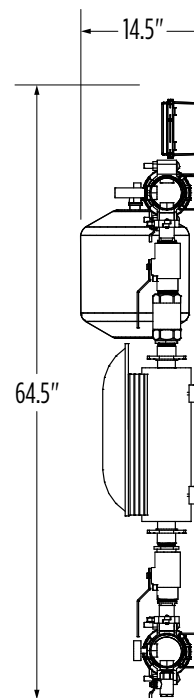


# INLINE 1100 DUPLEX W/ALTERNATOR SPECPAK

## DIMENSIONS & SPECIFICATIONS



**FRONT VIEW**



**SIDE VIEW**

Ratings, Capacities, and Electric Details	
Flow Range	0-80 GPM
Required Inlet Pressure	2-5 PSI
Discharge Pressure	Up to 60 PSI boost (Max Output of 80 PSI total)
Electrical Requirements	230 V, 1-PH, 60 Hz
Max Operating Amps	24
Control Panel Items	SubDrive duplex alternator panel equipped with transformer and 120 V electrical cord (for power control)

Connections and Major Component List		
No.	Part Name	Description
1	Franklin Electric Inline 1100 Variable Speed Pump	304SS/316SS
2	Discharge Connection	3" grooved DIA. threaded male connection - 304SS
3	Inlet Connection	3" grooved DIA. threaded male connection - 304SS
4	Control/Electrical Panel 5.80" x 7.35" x 3.60"	SubDrive Duplex Alternator
5	Pressure Tank	4.8 gal tank with rubber bladder
6	Mounting Frame	304SS 12 gauge, 4-frame pieces welded to manifolds
7	Pressure Switch	
8	1-1/4" NPT Plugged Connection	304SS, options include 2x2x1 and 2x2x 1-1/2 female THD tees
9	Pressure Gauge	-
10	Drain Valve	3/4" SS drain valve
11	Isolation Valve	1-1/2" SS full port ball valve
12	Check Valve	1-1/2" SS inline spring check valve
13	Pump Connection	1-1/4" 150# oval flange - 304SS
14	Header Couplings	3" Grooved couplings