

BOILER FEED UNIT

## STANDARD FEATURES

### BOILER FEED UNITS:

- Vented steel receiver
- Steel support frame
- Brass make-up water feeder
- Liquid level gauge glass set
- Dial thermometer
- Pump suction piping and valves
- Base mounted, iron body, bronze fitted, close coupled, high temperature condensate pump and motor assemblies

### CONDENSATE RETURN UNITS:

- Vented steel receiver
- Steel support frame
- Tank mounted float switch
- Liquid level gauge glass set
- Pump suction piping and valves
- Base mounted, iron body, bronze fitted, close coupled, high temperature condensate pump and motor assemblies

## RECEIVER OPTIONS AND ACCESSORIES

### BOILER FEED UNITS:

- Stainless steel vented receiver (galvanized or lined tanks are not recommended for high temperature condensate)
- Dished heads
- Oversized receiver
- Custom fabrication (detailed sketch required)
- Steam injection or diffuser tube
- Suction Tee
- Tank heater
- Self operated temperature regulator
- Temperature switch and solenoid valve
- Steam pressure regulator for controlling pressure to temperature regulator or solenoid valve
- Pressure gauges for receiver or steam supply
- Inspection cover
- McDonnell Miller #21 make-up water feeder
- McDonnell Miller #25-A make-up water feeder
- Tank mounted float switch and solenoid valve for water make-up
- Tank mounted float switch for low water alarm signal

### CONDENSATE RETURN UNITS:

- Stainless steel vented receiver (galvanized or lined tanks are not recommended for high temperature condensate)
- Dished heads
- Oversized receiver
- Custom fabrication (detailed sketch required)
- Dial thermometer
- Inlet basket strainer
- Additional float switch for high water alarm signal
- Mechanical alternating float switch on duplex units
- Inspection cover

## PUMP OPTIONS AND ACCESSORIES

### BOILER FEED UNITS:

- Flex coupling and guard
- Discharge pressure gauges
- Discharge check valves
- Discharge ball valves
- Discharge globe valves
- Nema IV (watertight) motor enclosure
- Nema VII (explosion-proof) motor enclosure

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- Nema VII (explosion-proof) motor enclosure

## OPTIONAL CONTROL PANEL

### BOILER FEED UNITS:

#### Standard Features:

- Nema I grey metal enclosure
- Main disconnect switch with door interlock handle
- Thermomagnetic motor protectors (overload and short circuit protection)
- 115V control circuit transformer (except units with 60/1/115-230V motors)
- "Power On" and "Running" pilot lights
- "Hand-Off-Auto" selector switches
- Provision to connect boiler level controller
- 120V circuit for make-up solenoid and float switch
- Provision to connect low water cut-off

#### Options:

- Electrical alternator
- Alarm buzzer or bell, silence/test switch and red pilot light
- Alarm relay
- Through door circuit breakers
- Nema IV (watertight) enclosure
- Nema VII (explosion-proof) enclosure

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## INFORMATION REQUIRED FOR SELECTION

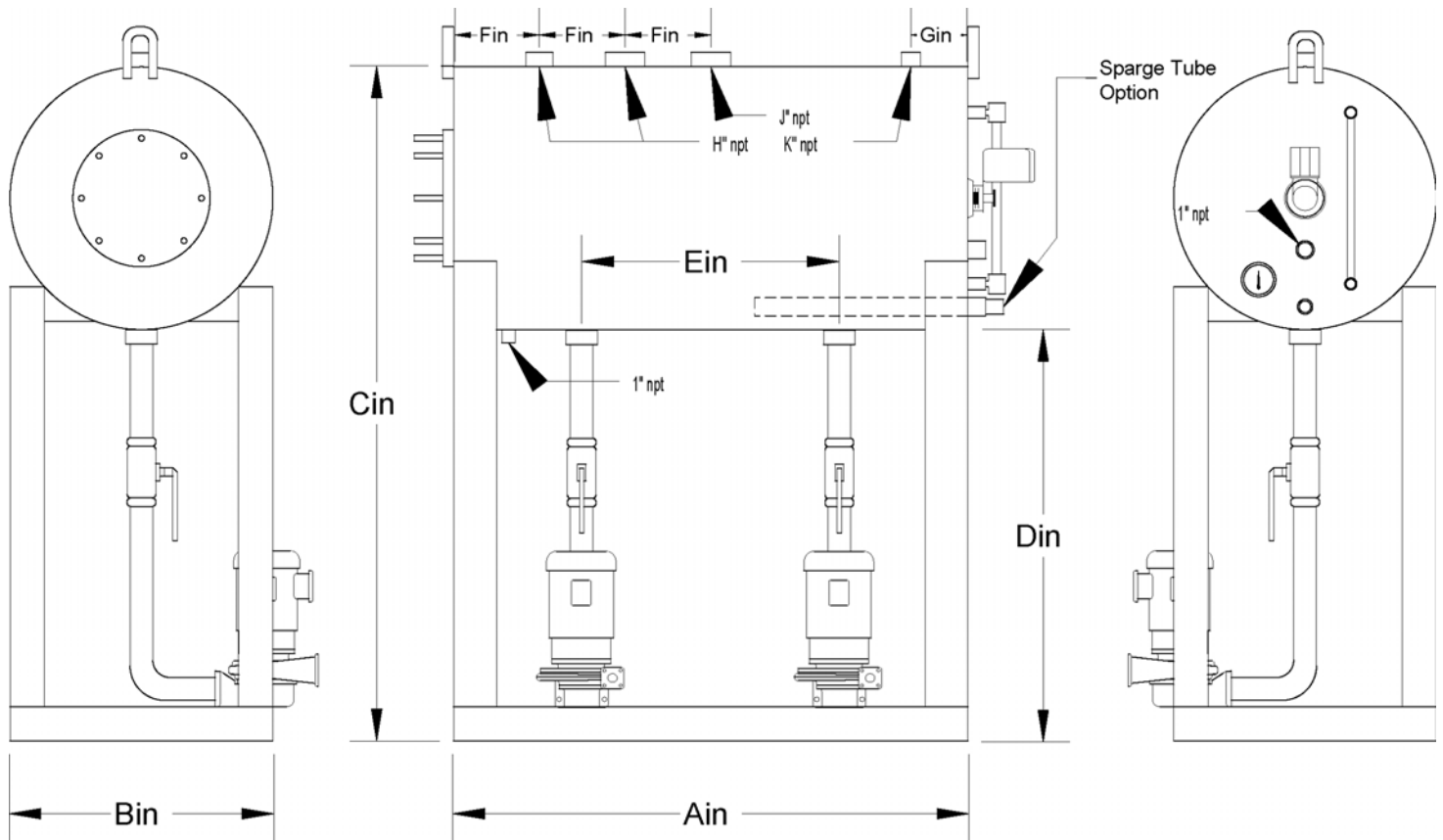
### BOILER FEED UNITS:

- Single or multiple boiler installation
- Simplex or duplex pumps for each boiler
- Is pump for continuous operation or is it to be fired by the boiler level controller
- Boiler horsepower and operating pressure
- Pump discharge pressure
- What percentage of condensate is being returned to the boiler feed unit
- Voltage, phase and cycle available
- Dimensional limitations
- List of options

### CONDENSATE RETURN UNITS:

- Simplex or duplex
- Condensate load (pump should be sized for at least twice the actual condensing rate)
- Discharge pressure
- Voltage, phase and cycle available
- Dimensional limitations
- List of options

# PACKAGED PUMPING UNITS



## STANDARD DIMENSIONS

Receiver Capacity (U.S. Gallons)	Pump Discharge Pressure (PSI)	Dimensions									
		A	B	C	D	E	F	G	H	J	K
30	up to 150 psi	36	16	55	39	18	6	4	1-1/2	1-1/4	3/4
60	up to 150 psi	36	23	62	39	18	6	4	2	1-1/2	3/4
100	up to 150 psi	48	25	62	37	24	6	4	3	2	3/4
200	up to 150 psi	60	32	71	39	30	6	4	3	2-1/2	3/4
250	up to 150 psi	60	36	75	39	30	6	4	3	2-1/2	3/4
350	up to 150 psi	60	42	85	43	30	6	4	3	2-1/2	3/4
500	up to 150 psi	84	42	90	48	42	6	4	3	2-1/2	1
750	up to 150 psi	84	52	100	40	42	6	4	3	2-1/2	1

Dimensions are subject to change without notice. Certified dimensioned prints are furnished upon request.

Colton has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

