

# BRYAN STEAM

## Chemical Feed Systems 30-100 Gallons



*Stainless steel chemical feed system shown with optional control panel and two pump arrangement.*

**Maximizing Boiler Performance** All boilers require proper care and maintenance to maintain optimal performance. In particular, steam boilers will operate more efficiently if serviced properly by chemical feed systems, water meter, and chemical shot feeders. Bryan Steam can provide all of these enhanced boiler-operating items.

**A Bryan Chemical Feed System** will assure that your boiler will have chemicals fed to it to prevent premature system failure due to poor water quality.

### Select the system that satisfies your needs

**1. Polyethylene Tank** (standard) — stand, removable lid, two (2) Poly valves, carbon steel piping, and angle mount agitator. Pump is a single 5/8" dia. piston style with 1/4 HP TEFC motor. Pumping rates range from 1.8 GPH to 6 GPH covering a multitude of boiler sizes from 5 HP to 2,000 HP.

**2. Carbon Steel Tank** (optional) — includes all standard equipment and also includes hinged lid, brass sight glass, carbon steel suction valve and cast iron strainer.

**3. Stainless Steel (304) Tank** (optional) — includes all standard equipment and also includes hinged lid, stainless steel sight glass, suction valves and strainer.

**Additional Options** Diaphragm pumps are available, as are pumps with stainless steel wet ends. Systems are also available as duplex units. Control panels are available for automatic operation.

**Water Meters** are also available and are recommended to properly apply chemicals based on addition of make-up water. The meter will measure the water and provide a switch closure each time the preset amount of water passes through the meter. The maximum flow is twice the normal flow.



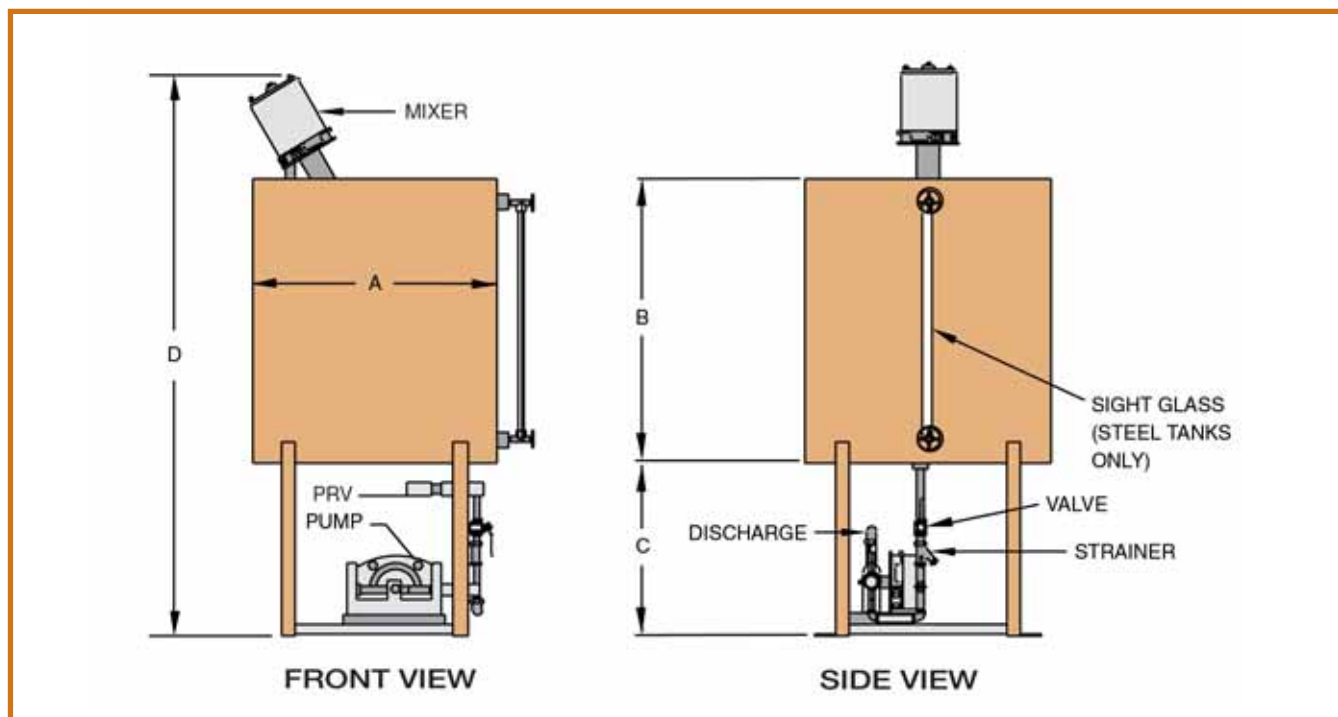
*Standard polyethylene tank system*

*Optional carbon steel tank system with duplex pumps*

Meters can be ordered pre-wired to a single timer control for use with one pump or pre-wired to two timers for use with two pumps. The timers can be manually adjusted in the field for the required duration of pump operation. Meters range from 1-80 gpm. Larger capacities available upon request.

*These systems can be installed for new projects or are available for field installation in existing boiler rooms.*

# Bryan Chemical Feed Systems



NOTE: Dimensions are subject to change without notice. Consult factory for certified dimensions. Control panel is optional.

## Polyethylene Tanks

Capacity Gallons	Wall Thickness	Dimensions				Approximate Weight*
		A	B	C	D	
(liters)	in.(cm)	in.(cm)	in.(cm)	in.(cm)	in.(cm)	lbs.(kg)
30 (113)	1/8 (0.3175)	18 (46)	30 (76)	12 (30)	51 (130)	70 (32)
55 (208)	1/8 (0.3175)	22 (56)	34 (86)	17 (43)	63 (160)	120 (55)
100 (378)	1/4 (0.635)	28 (71)	42 (107)	18 (46)	72 (183)	170 (77)

## Steel and Stainless Steel Tanks

Capacity Gallons	Wall Thickness	Dimensions				Approximate Weight*
		A	B	C	D	
(liters)	ga.(cm)	in.(cm)	in.(cm)	in.(cm)	in.(cm)	lbs.(kg)
50 (189)	10 (0.341)	23 (59)	31 (79)	17 (43)	58 (148)	120 (55)
100 (378)	10 (0.341)	36 (92)	31 (79)	20 (51)	61 (155)	220 (100)

NOTE: \*Each pump addition approximately 50 lbs. (23 kg)

**Shot Feeders** are available for manual addition of chemicals into the boiler system. The packaged shot feeder includes the funnel, (2) ½" ball valves or petcocks, (2) gate valves, and legs for the 5 gallon unit. Shot feeders can also be ordered without the packaged items. Sizes range from ¾ gallon capacity to 5 gallon capacity and can be ordered with a 125 psi rating or 300 psi rating.



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