

# Automated Solid Bromine Feed System

## General Description

Automated bromine feed systems protect cooling water systems from the harmful effects of microbiological growth. With the Strantrol® 887 controller option, this system uses advanced microprocessor and High Resolution Redox® sensing technology to assure its owner of optimized chemical use and peak biocidal performance. The bromine feed system is entirely self-contained and comes completely assembled and tested, ready for hook-up to water, sample, process, and power. Brominator capacities range from 6.8 to 158.8 kg (15 to 350 lbs). The Automated solid bromine feed system can also be integrated with a timer or flow monitor for intermittent feed applications.

Automation with bromine feed system can provide optimization of treatment program efficiency. The units (4) 4-20 mA outputs may be used for direct data recording or transmitting data to a computer or distributed control system.

## Specifications

Brominator size	7 sizes available from: 6.8 to 158.8 kg (15 to 350 lbs) capacity (consult factory)
Feed rates	From 1.1 to 54.4 kg per day (2-1/2 to 120 lbs per day)
Pressure rating	10.3 bar at 65.6° C (150 psi at 150° F)

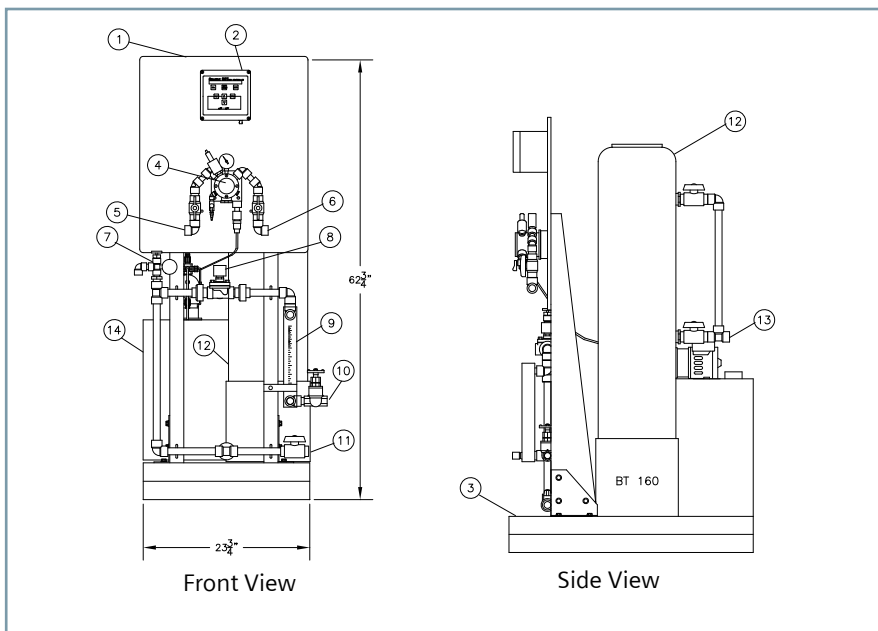
## Key Benefits

- Safe and reliable chemical feed for solid bromine products
- Precise ORP control with the Strantrol® 887 controller option
- Flow indicator and manual control / adjustment valve for peak performance
- Brominator tank sized for application requirements



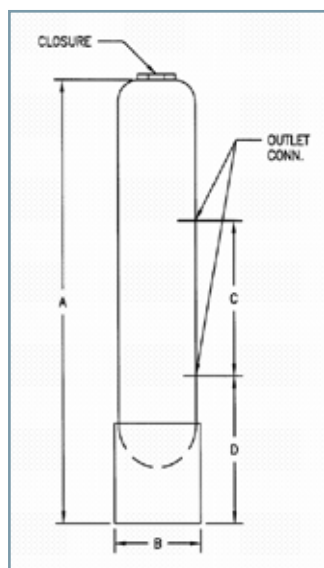
## Product Sheet

## General Layout



Key	Description
1	Backboard, PVC, 28" x 24" x 1/2"
2	Strantrol® 887 controller
3	Skid, Poly, 35 1/2" x 23 3/4" x 5 1/4"
4	Flowcell w/sensor
5	Sample inlet, 12.7 mm (1/2") (F) NPT
6	Sample discharge, 12.7 mm (1/2") (F) NPT
7	Pressure relief valve
8	Solenoid valve
9	Flowmeter
10	Water inlet, 25.4 mm (1") (F) NPT
11	Drain, 25.4 mm (1") (F) NPT
12	Brominator tank, 72.6 kg (160 lbs)
13	Solution discharge, 25.4 mm (1") (F) NPT

## Available Sizes



Model	Capacity			Dimensions				Closure (in)	Inlet conn.	Outlet conn.
	lbs.	ft <sup>3</sup>	gal	A	B	C	D			
BT-15	15	0.3	2.3	23.5	6	5	10.5	2.5	1" NPT	1" NPT
BT-40	40	0.6	4.8	35.56	7	5	10.5	2.5	1" NPT	1" NPT
BT-42	42	0.7	5.1	27.81	10	4	11.25	4	2.5"	1" NPT
BT-80	80	1.4	10.4	40.75	10	10	16	4	2.5"	1" NPT
BT-160	160	3.1	23.4	53.81	12	20	26.25	4	2.5"	1" NPT
BT-270	270	5.3	39.7	70.88	14	13	18	4	2.5"	1" NPT
BT-350	350	8.3	50.0	70.88	16	N/A	23	4	4"	2" NPT

\*2.5": Plug with 3/4" or 1" bushing to fit piping included in piping kit

\*\* 4": Plug with distributor and 2" connection for piping.

Siemens  
Water Technologies

Germany  
+49 8221 9040  
wtger.water@siemens.com

United Kingdom  
+44 1732 771777  
wtuk.water@siemens.com

USA  
+1 800 245 3006  
dewatering.water@siemens.com

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