

## CAS

### Special Process & OEM Steam Boiler

- Steam Pressures to 90 psig<sup>1</sup>
- Steam Capacity (48 - 60 Lbs/Hr @ 0 - 90 psig)
- 16 - 20 kW (55 - 68 Mbh)
- 208, 240 and 480 Volt, 1 & 3 Phase
- ASME Section I Code "M" Pressure Vessel Carbon Steel (100 psig)
- 0.430 Dia. Copper Sheath Heating Elements
- Two Pressure Controls — Operating and Automatic Reset High Limit
- Electronic Water Feed Control with Low Water Cutoff (Dual Probe)
- Automatic Solenoid Water Inlet Valve with In-line Check Valve
- Water Level Sight Glass and Blow Down Drain Valve
- Pressure Gauge (0 - 160 psig)
- ASME Safety Relief Valve



CAS Boilers are also used in food, plastics, rubber and pharmaceutical processing.

All CAS Boilers are inspected to rigid quality standards. They are factory tested under actual operating conditions and are ready to operate.

#### Features

**Pressure Control** easily adjusts operating pressure.

**Steam Pressure Gauge** provides visual indication of steam pressure.

**On/Off Switch with Pilot Light** indicating boiler is energized and operational.

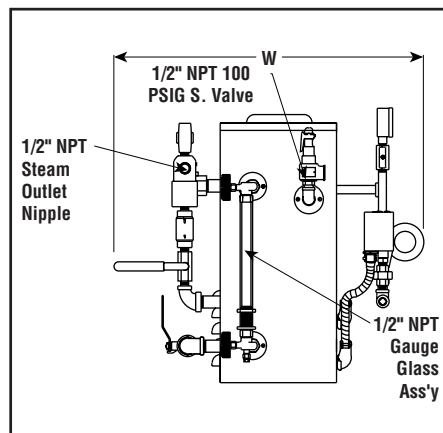
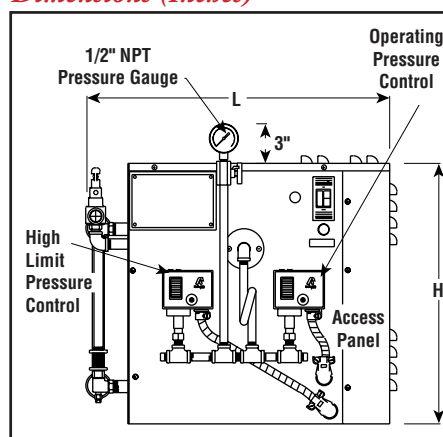
**Water Level Sight Glass** allows constant visual observation of boiler's water level.

**Automatic Solenoid Water Inlet Valve** can be connected directly to water main, eliminating complicated feed water piping<sup>4</sup>. Integral control relay (rated 1/3 Hp 120V) for external high pressure water feed pump and motor.

**Electronic Water Feed Control Probe** is located in an isolator tube to assure true boiler water level readings during operation.

**Safe, Reliable Operation** assured by a low water cutoff that shuts down the boiler if it accidentally runs low on water.

#### Dimensions (Inches)



#### Applications

CAS Steam Boilers are specifically designed for use where space requirements are limited. The compact construction and low profile permit the CAS boiler to fit under hospital and research laboratory steam sterilizers. CAS boilers are easily adapted to garment presses, dry cleaning and other textile equipment. With an optional solenoid actuated steam gun, the CAS becomes a perfect tool for shrink fitting upholstery fabrics in furniture and automobile after market industries.

#### Specifications and Ordering Information

Steam <sup>2</sup> Lbs/Hr	Bhp	kW	Volts <sup>3</sup>	Ph	Amps <sup>3</sup>	Dimensions (In.)			Model	Stock	PCN	Wt. (Lbs.)
						W	L	H				
60	2	20	208	1	96.2	16	21	18	CAS-20CM	NS	—	160
60	2	20	208	3	55.6	16	21	18	CAS-20CM	AS	109217	160
60	2	20	240	1	83.3	16	21	18	CAS-20CM	NS	—	160
60	2	20	240	3	48.2	16	21	18	CAS-20CM	AS	109225	160
60	2	20	480	3	24.1	16	21	18	CAS-20CM	AS	025283	160

**Stock Status:** S = stock AS = assembly stock NS = non-stock  
**To Order**—Specify model, volts, phase, kW and PCN.

1. Optional trim of 15, 30 and 50 psig available.
2. At 212°F with 50°F feed water.
3. Other voltages are available, contact your Local Chromalox Sales office.
4. For proper operation, the automatic water feed solenoid valve requires a water supply pressure of 10 psig greater than the operating pressure of the boiler.