

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

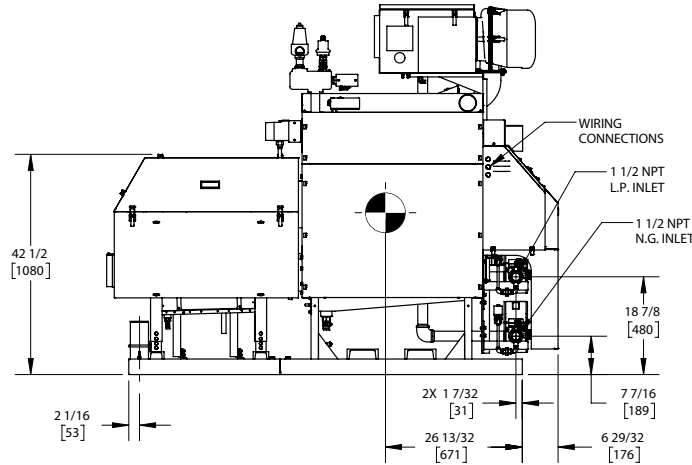
CSD-1	STANDARD
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TOP VIEW

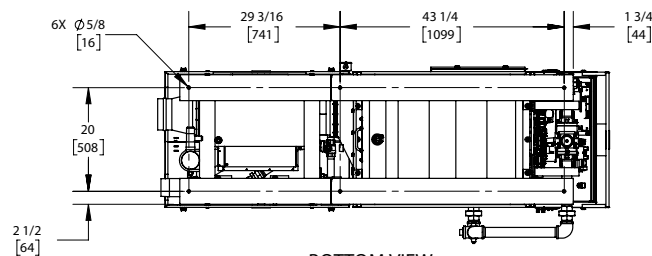
The top view shows the overall footprint of the machine. Key dimensions are indicated:

- A vertical dimension on the left side is labeled $\frac{5}{8}$ [16].
- A horizontal dimension at the top is labeled $86 \frac{9}{16}$ [2199].
- A horizontal dimension at the bottom left is labeled $1 \frac{3}{8}$ [35].

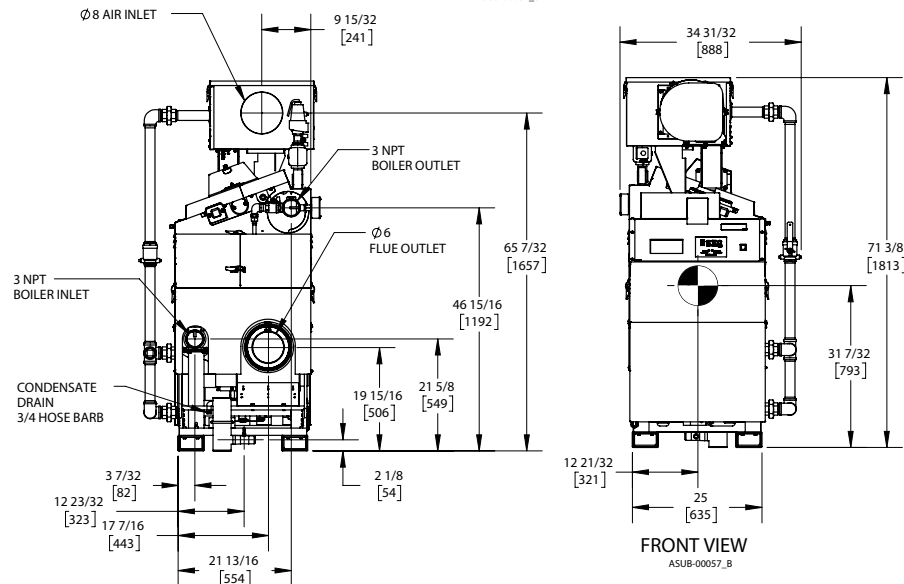
TOP VIEW
ASUB-00057_B



SIDE VIEW
ASUB-00057_B



BOTTOM VIEW
ASUB-00057_B



REAR VIEW
ASUB-00057_B

3. ALL DIMENSIONS ARE INCHES [mm].



SKNP-16DF-6

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	20.81 A*
Input BTU/hr.	1,600,000 / 469 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	1,537,600 / 450 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	45.9	Water Volume	21.0 gal.
Electrical Requirements	230VAC/60 hz/1PH (with neutral)	Operating Weight	2690 lbs. / 1220 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1-1/2" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	White-Rodgers

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	59.84 Sq. Ft. / 5.56 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	63.98 Sq. Ft. / 5.94 Sq. M.		
CV. GPM (1PSID)	140		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
153.8	9.70	2.79	8.33	76.9	4.85	.70	2.08	51.3	3.23	.31	.93	38.5	2.43	.17	.52	30.8	1.94	.11	.33

Flow GPM		Temp. Rise** (°F)		Vent Length (Equiv. Ft.)		Air Inlet Length (Equiv. Ft.)	
Min	Max	Min	Max	Min	Max	Min	Max
30.8	153.8	20	100	6	100	0	100

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM	_____	KN16+ DUAL FUEL Category II or Category IV Appliance (see Installation and Operation Manual for venting information)  A Division of Mestek, Inc. Westfield, MA 01085 833-265-5371
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	