

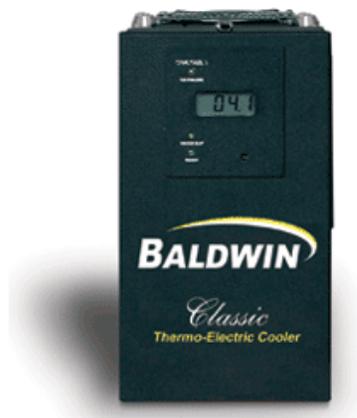
THERMO-ELECTRIC COOLERS

Classic Model M325

Perma Pure's Baldwin™ Classic Series Model M325 features a unique slim design leaving additional space to install or access other sample conditioning system components. The M325 is a great choice for moderate flow rate single stream applications.

Physical Description

Single Stream System
 2 x 5" Heat Exchangers connected in series only
 1 Passive (cooled to ambient), 1 Active (cooled to 4°C) Heat Exchanger
 LCD temperature display



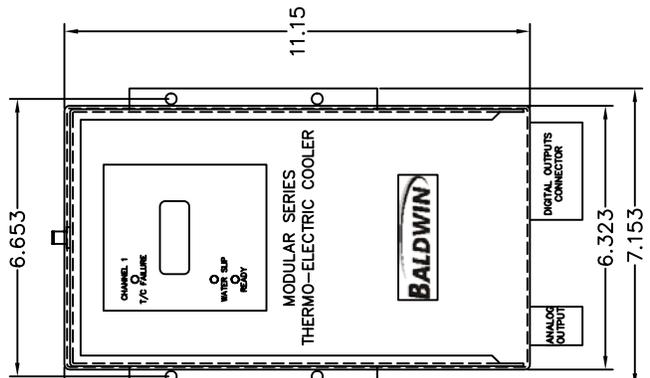
Operating Specifications

Sample Gas Flow Range	2-4 LPM 4.3-8.6 SCFH
Inlet Dew Point at Rated Flow	168°F @ 40% H ₂ O, 4 LPM 76°C
Dimensions	11.20 x 7.25 x 11.20 in. HWD 28.5 x 18.4 x 28.5 cm
Weight	17 lbs 7.7 kg
Maximum Inlet Sample Temperature	392°F (200°C) SS, Glass Impingers 280°F (138°C) Kynar® Impinger
Maximum Inlet Pressure	45 psig 3 bar / 2250 mmHg
Maximum Heat Exchanger Pressure Drop	<+1 in. H ₂ O
Ambient Temperature Range	33-104°F 0.56-40°C
Outlet Sample Gas Dew Point	41°F 5°C
Inlet Tubing Connection	3/8 in. FNPT
Outlet Tubing Connection	1/4 in. FNPT
Drain Tubing Connection	3/8 in. FNPT
Voltage	110 (220 optional) VAC 50/60 Hz
Thermoelectric Elements	40 mm
Power Supply	100W
Cooling Down Time	Less than 3 minutes

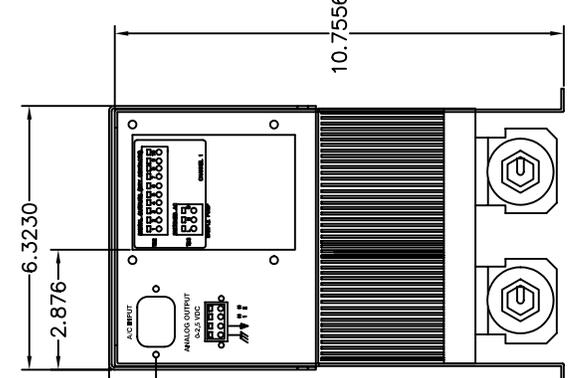
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 Kynar® is a Registered Trademark of Alf Autochem of North America



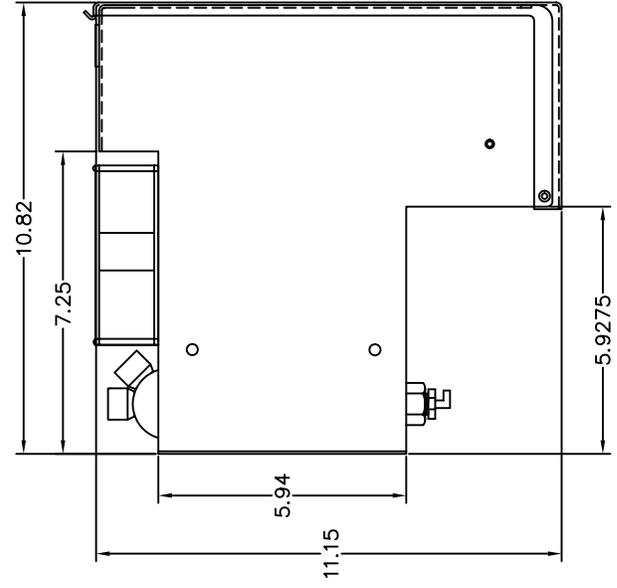
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3	DATE	DESCRIPTION	2	
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4	DATE	DESCRIPTION	3	
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FRONT VIEW



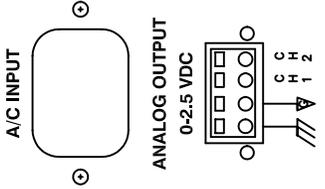
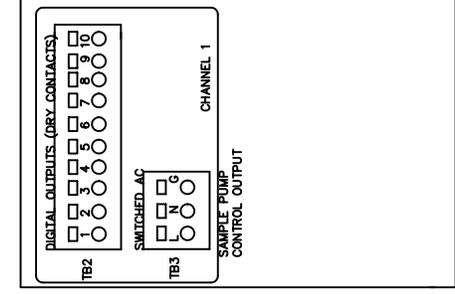
BOTTOM VIEW



LEFT SIDE VIEW

DIGITAL I/O ASSIGNMENTS

PIN #	DESCRIPTION
1	EARTH GROUND
2	AUX ANALOG COMMON
3	AUX ANALOG SIGNAL
4	AUX ANALOG 4-20MADC -
5	AUX ANALOG 4-20MADC +
6	ALARM/WATER SLIP COM
7	ALARM/WATER SLIP
8	WATER SLIP SENSOR IN
9	WATER SLIP SENSOR IN
10	EARTH-SHIELD W/S SENSOR



NOTES:
FINISH TO BLACK
MEDIUM TEXTURE

ITEM	QTY	DESCRIPTION	MANUF.
USED FOR:		MODEL NUMBER: 4C-M325	
DESCRIPTION:			
DRAWN BY:	DATE	01/13/04	
APPR:	DATE		
MATERIAL:	AS NOTED		
FINISH:	AS NOTED		
DESIGN DIMENSIONS ARE IN INCHES			
() DENOTES MILLIMETER EQUIVALENTS WHEN USED			
PART DESCRIPTION		BALDWIN, INC.	
MODEL M325 SAMPLE COOLER ARRANGEMENT DRAWING			
SIZE	SCALE:	DRAWING/PART NO.:	
A	NTS	M325	
CAD DIR: S:\SRM\DWGS\T.E.COOLER-MOD. SERIES		SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED
TOLERANCE DECIMALS
1 PLACE = ±.02
2 PLACE = ±.02
3 PLACE = ±.010
ANGLES = ±5°
HOLES = ±.003/- .001

PROPRIETARY INFORMATION
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BALDWIN
www.baldwinUSA.com