

THERMO-ELECTRIC COOLERS

SO₃ AEROSOL REMOVAL MODEL 10410

Physical Description

Alternating channels (pre-programmed)
 2 x 10" Durinert[®] (inert coated stainless steel) heat exchangers connected in series (passive / active)
 2 x 10" packed Kynar heat exchangers (active / active)
 3 LCD displays w/ associated LED indicators

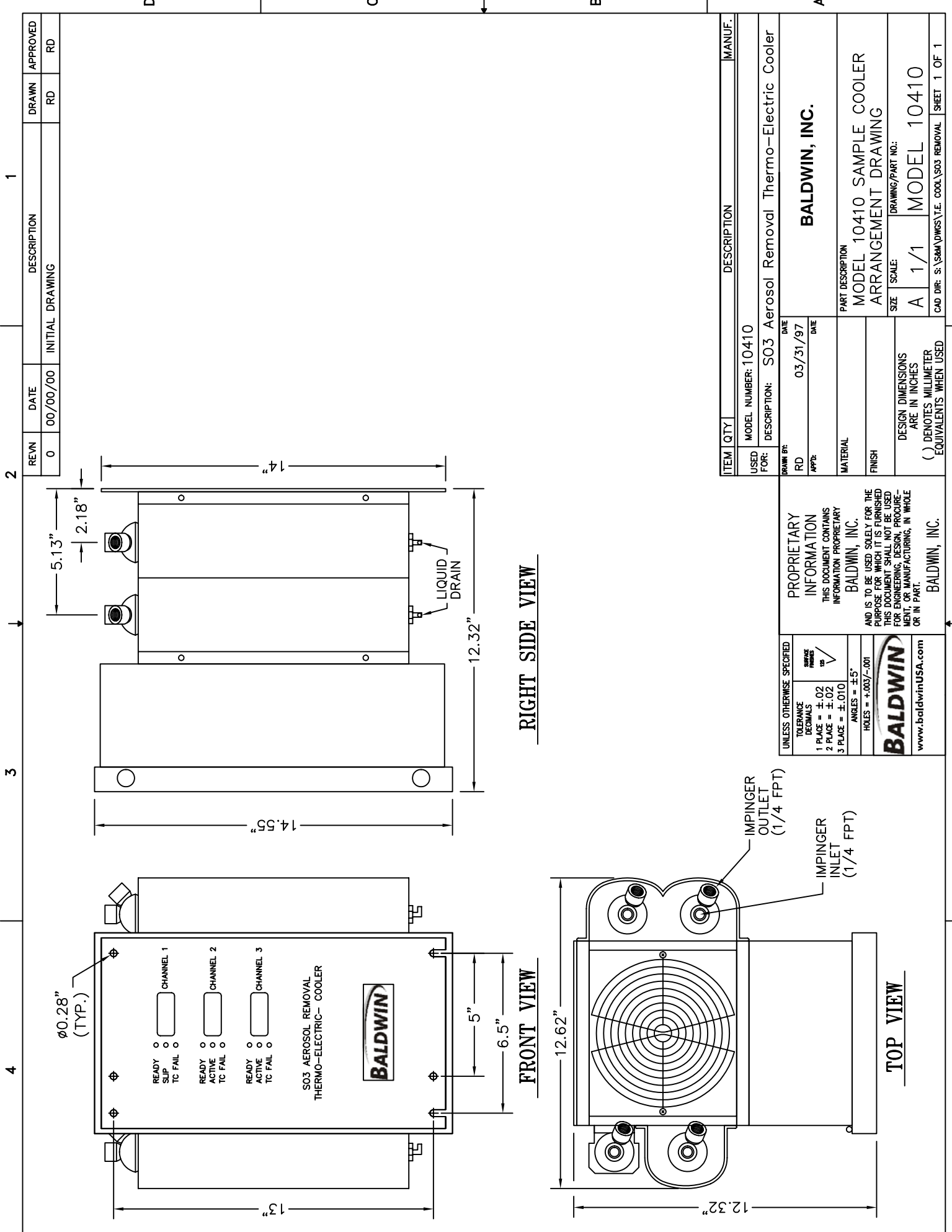


Operating Specifications

Standard Sample Gas Flow Rate	5-10 LPM 10.6-21 SCFH
Maximum Inlet Dew Point at Rated Flow	173°F @ 43% H ₂ O 78°C
Dimensions	14.55 x 12.62 x 12.32 in. HWD 37.0 x 32.1 x 29.5 cm
Weight	35 lbs 15.9 kg
Maximum Inlet Sample Temperature	400°F (200°C) Durinert [®] Impingers 280°F (138°C) Kynar [®] Impingers
Maximum Inlet Pressure	45 psig 3 bar /5 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	19.4°F -7°C
Inlet Tubing Connection	3/8 in. FPT
Outlet Tubing Connection	1/4 in. FPT
Drain Tubing Connection	3/8 in. FPT
Voltage	110 (220 optional) VAC 50/60 Hz
Power Supply	740W

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REV#	DATE	DESCRIPTION	DRAWN	APPROVED
0	00/00/00	INITIAL DRAWING	RD	RD

ITEM	QTY	DESCRIPTION	MANUF.
MODEL NUMBER: 10410			
USED FOR: DESCRIPTION: S03 Aerosol Removal Thermo-Electric Cooler			
DRAWN BY:	DATE		
RD	03/31/97		
APPR:	DATE		
PART DESCRIPTION			
MODEL 10410 SAMPLE COOLER ARRANGEMENT DRAWING			
SIZE SCALE:		DRAWING/PART NO.:	
A 1/1		MODEL 10410	
DESIGN DIMENSIONS ARE IN INCHES			
() DENOTES MILLIMETER EQUIVALENTS WHEN USED			
CAD DIR: S:\S8M\DWGS\T.E. COOL\S03 REMOVAL			
SHEET 1 OF 1			

UNLESS OTHERWISE SPECIFIED

TOLERANCE DECIMALS

1 PLACE = ±.02

2 PLACE = ±.02

3 PLACE = ±.010

ANGLES = ±5°

HOLES = +.003/- .001

BALDWIN

www.baldwinUSA.com

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RIGHT SIDE VIEW

FRONT VIEW

TOP VIEW