

**Product Information - Vat Pasteurization** 

FOOD

# Vat Pasteurization - Electronic Controls Package

# Introduction

In today's Dairy industry, vat pasteurization continues to be a commonly used process. Traditional controls use mercury in glass thermometers for the airspace and product references. As leaders in the sanitary marketplace, Anderson-Negele is proud to offer an all electronic controls package. Production plants utilizing vat pasteurization, along with small farmstead operations, no longer need to worry about dealing with hazardous materials.

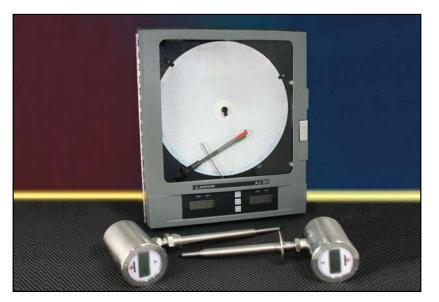
First and foremost, this package consists of a dual pen circular chart recorder. The time proven AJ-300 series recorder is provided. This unit offers NEMA 4X wash-down protection in an enclosure that is easily wall or panel mounted. Front mounted displays provide convenience to the operator for monitoring the process.

Next, two dual element all stainless steel temperature probes are provided. One probe is used for monitoring airspace temperature, and the other for monitoring product temperature. Each probe has an integral display, easily viewable by the operator. It is this display that replaces the traditional mercury in glass thermometer. One temperature element of each of the probes directly wires to the AJ recorder. This provides recording for the hot product, recorder pen one, and the airspace, recorder pen two. The remaining temperature element of each probe provides a signal directly to the integral display. This display functions as the airspace and product reference temperatures in each of the respective probes.

As in the traditional process, the operator simply views the temperature from the display on each of the probes, and matches to the recording trace on the recorder. As the temperatures on the reference probes are now digital, difficulty in reading mercury in glass thermometer scales is also eliminated.

Safety, accuracy and reliability; all in a simple to operate package.

Complete specifications and ordering information are available inside. For more information please visit our Web Site at www.anderson-negele.com, or contact your local Authorized Anderson-Negele Distributor.



# Authorizations

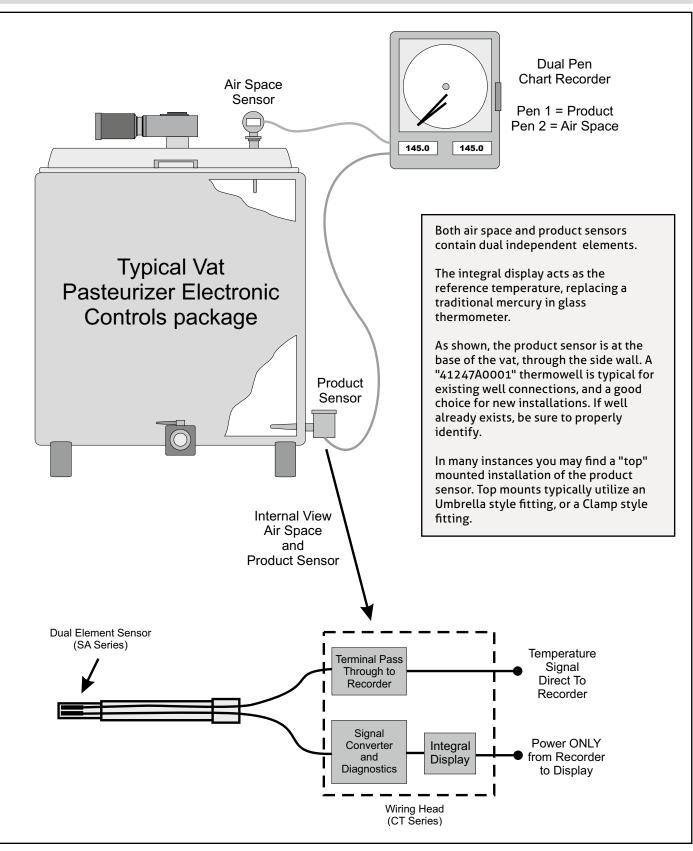


#### Features

- All electronic components, without mercury in glass thermometers
- Digital displays easier to read than thermometer scales
- All stainless steel probes provide rugged reliability in harsh conditions
- Circular chart recorder uses 12" chart for maximum readability
- Nema 4X case withstands demands of wash down environment
- Complete package compliant with Pasteurized Milk Ordinance (PMO) requirements; 3-A Sanitary Standards

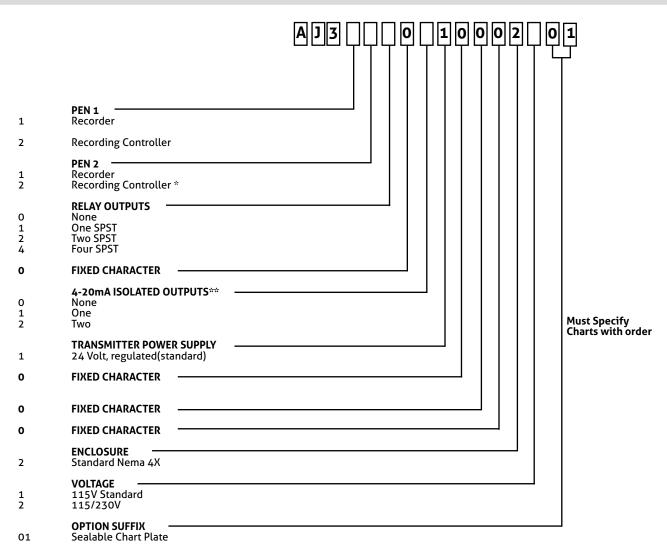
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## System Drawing



#### **Order Information**

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\* Pen 2 available as Recording Controller, only if Pen 1 is Recording Controller. \*\* Required for each controller, if modulated output is required.

#### CHARTS

00215307 90-190 12hr (Std °F range) 00215303 0-200 24hr (If pasteurization is above 160°F) 00215357 30-90 12hr (Std °C range)

### Sanitary Projectile Well

#### PART # DESCRIPTION

41247A0001 Weld-in Sanitary Projectile Well

NOTE: For new installations, the sanitary well 41247A0001 is typically installed into the side wall of the vessel. This well will then hold the product sensor.

#### PENS

60500402 (Red, Pen #1) 60500401 (Green, Pen #2) FOOD

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# Sensor Wiring Head Ordering Matrix

Jensor							
0	PRODUCT CODE						
8	SS (Dual, Single Port) w/ I W/Health Code Seal Prov						
V	SENSOR MODULES — Dual Module - Electronic Pasteurization Option (ai				NOTE: Specify CT/SA comb for airspace, and CT combo for product	oo 7/SA	
071 075	OUTPUT RANGE						
F C	<b>ENGINEERING UNITS</b> – Farenheit (choose with o Celsius (choose with outj	utput range 075) put range 071)					
03 04	DISPLAY/UNITS °F (choose with output ra °C (choose with output ra	nge 075) nge 071)					
1 2	PRE-WIRED ELEMENT - Vertical Mount Horizontal Mount						
1	<b>MOUNTING</b> Direct (Standard)						
00 05 10 15 20	CABLE LENGTH* None Supplied (Standard) 25' 50' 75' 100' 100'						
RTD Ter	mperature Element Orde	ring Matrix					
	WIRING STYLE	SA 52 [	<u>,00-00</u>	] [[			
5	6" leads for use with wirin	g head				CABLE LENGTH	
	ELEMENT TYPE	-			00	No Cable CABLE TYPE	
2	100 ohm Dual (DIN stnd.)				0	No Cable Required	
004-037	FITTING 1-1/2" Tri-Clamp® 2" Tri-Clamp®	INSERTION LENGTH 2-3/4" 3-1/2"			0	<b>PROBE</b> Standard probe (choose for well fittings)	
005-049 006-049 060-053 060-073 060-109 060-221	2-1/2" Tri-Ćlamp® Umbrella Umbrella Umbrella	3-1/2" 3-3/4" 5" 7-1/4" 14-1/4"			1	<b>Heavy duty probe</b> (choose for probes over 6" e.g. umbrellas or tri-clamps over 6")	
060-221 060-360 060-435	Umbrella	22-15/16" 27-5/8"	1 NC	TE: Mus	t specify length if oth	ner than standard.	
060-435 060-532 060-680 062-139	Umbrella Umbrella	33-11/16" 42-15/16" 9-1/8"	3-11/16" Additional charges apply for lengths greater than 6" 2-15/16" Maximum insertion length is 43-1/2"				
062-139 063-161 064-187 083-137	Projectile Well (41280) <sup>2,3</sup>	9-1/8" 12-1/8" 9"		2 Sensors with these fittings are non-cancellable/ non-returnable for credit.			
084-089	Bi-Metal Well - 1/2" NPT <sup>3</sup>	6"	3 Me	ets 3-A	when used with a 3-A	A compliant well	
ХХХ-ХХХ	Custom Length <sup>1</sup>						
05040/20/	2015-03-20 / GR / NA						

05040/2.0/2015-03-20/GR/NA

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