

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

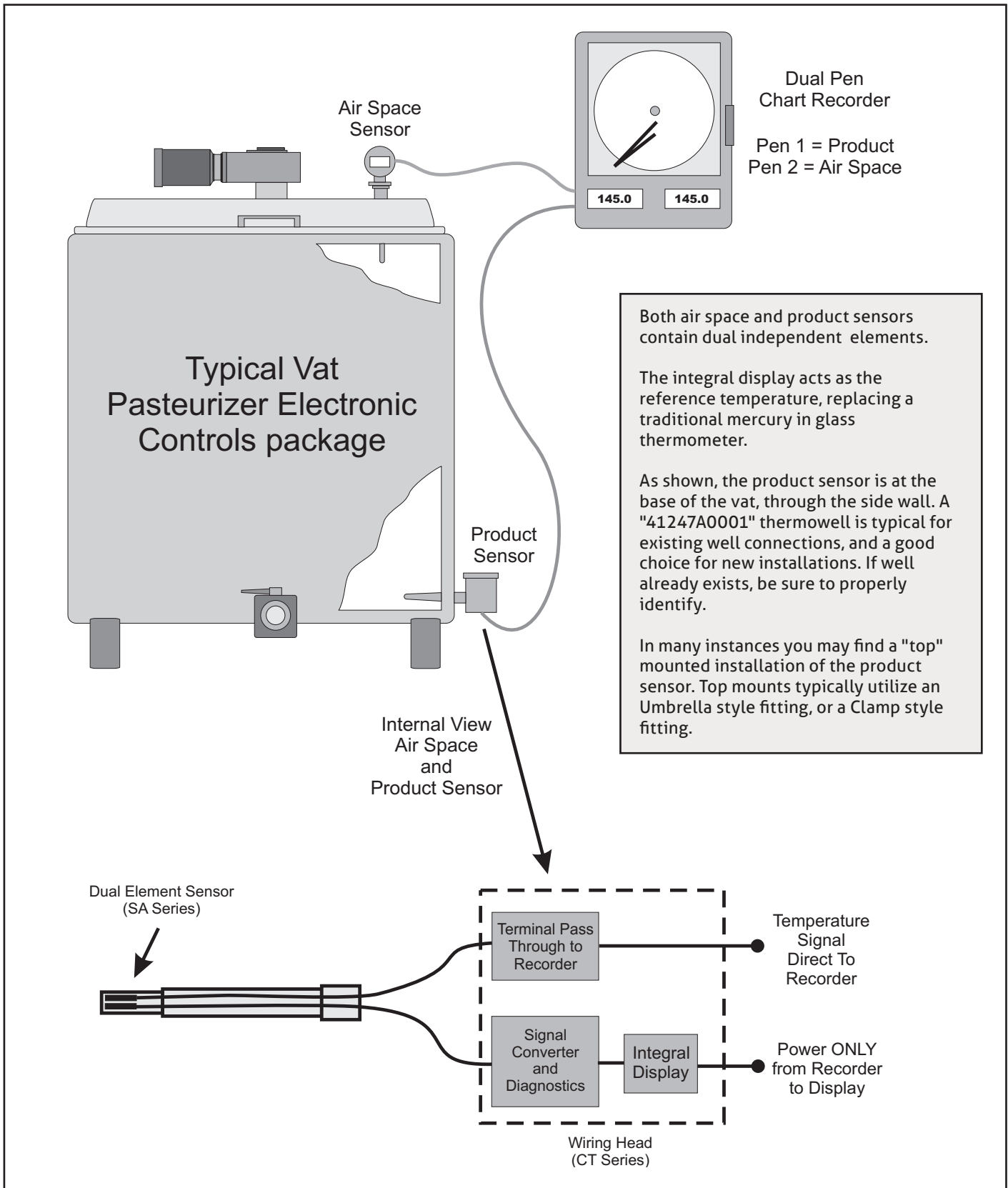


Features

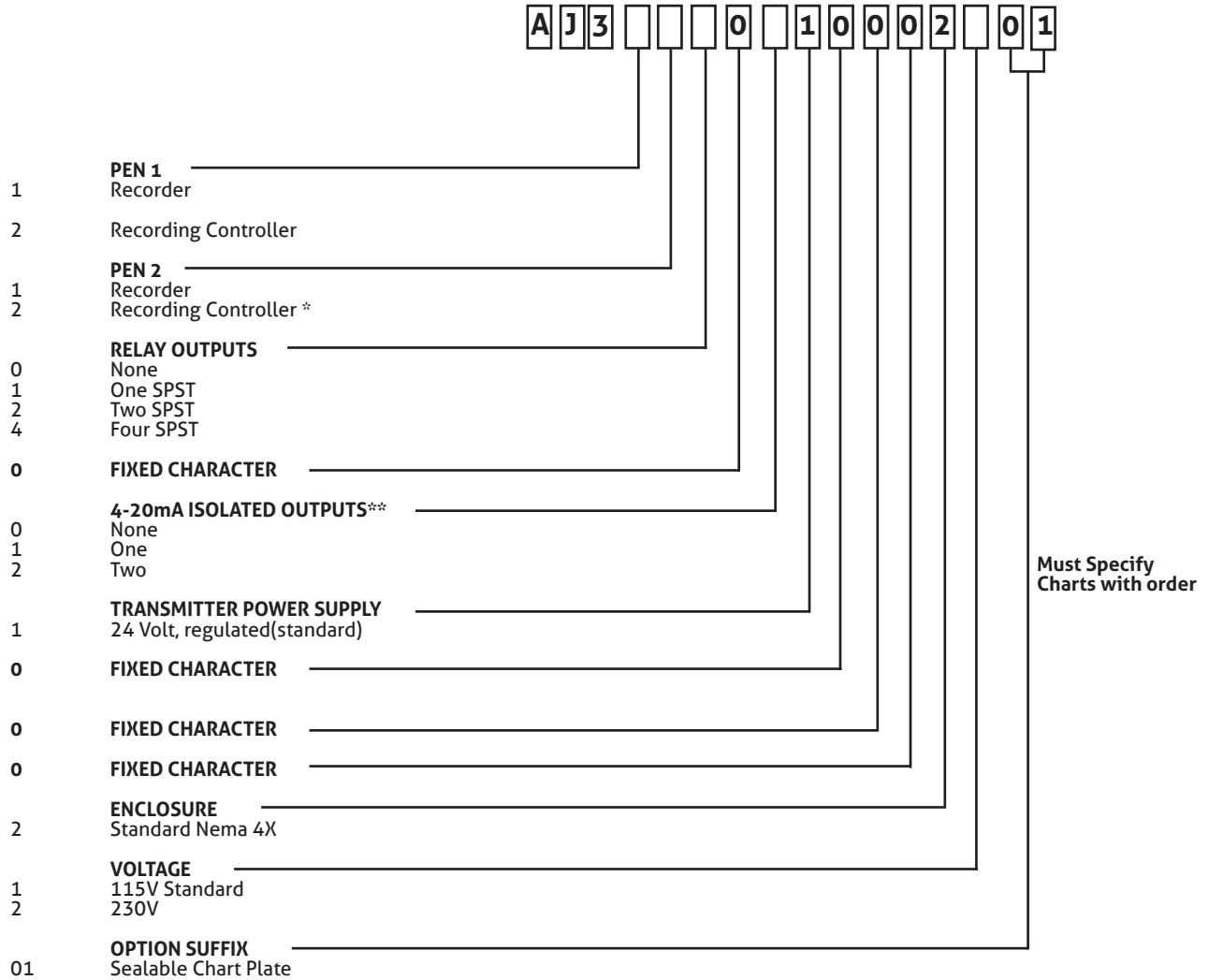
- All electronic components, without mercury in glass thermometers
- Digital displays easier to read than thermometer scales
- All stainless steel probes provide rugged reliability in harsh conditions
- Circular chart recorder uses 12" chart for maximum readability
- Nema 4X case withstands demands of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



System Drawing



Order Information



Must Specify Charts with order

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

NOTE: For wall mounting, wall mount brackets need to be ordered as an additional item (not included) - Part # 64429601

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)

PENS

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

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.

Sensor Wiring Head Ordering Matrix

		CT8V 1	
PRODUCT CODE	_____		
STYLE	_____		
8	SS (Dual, Single Port) w/ Display W/Health Code Seal Provision		
SENSOR MODULES	_____		
V	Dual Module - Electronic Vat Pasteurization Option (airspace or product)		
OUTPUT RANGE	_____		
071	0-100°C		
075	0-200°F		
ENGINEERING UNITS	_____		
F	Farenheit (choose with output range 075)		
C	Celsius (choose with output range 071)		
DISPLAY/UNITS	_____		
03	°F (choose with output range 075)		
04	°C (choose with output range 071)		
PRE-WIRED ELEMENT	_____		
1	Vertical Mount		
2	Horizontal Mount		
MOUNTING	_____		
1	Direct (Standard)		
CABLE LENGTH*	_____		
00	None Supplied (Standard)		
05	25'		
10	50'		
15	75'		
20	100'		

NOTE:
Specify CT/SA combo for airspace, and CT/SA combo for product

* If supplying cable, Belden 9534 or equivalent (4 wire w/ continuous drain)

RTD Temperature Element Ordering Matrix

		SA52 000	
WIRING STYLE	_____		
5	6" leads for use with wiring head		
ELEMENT TYPE	_____		
2	100 ohm Dual (DIN std.)		
FITTING	_____		
004-037	1-1/2" Tri-Clamp®		
005-049	2" Tri-Clamp®		
006-049	2-1/2" Tri-Clamp®		
060-053	Umbrella		
060-073	Umbrella		
060-109	Umbrella		
060-221	Umbrella		
060-360	Umbrella		
060-435	Umbrella		
060-532	Umbrella		
060-680	Umbrella		
062-139	Projectile Well (41247) ³		
063-161	Projectile Well (41280) ^{2,3}		
064-187	Projectile Well (41279) ^{2,3}		
083-137	Bi-Metal Well - 1/4" NPT ³		
084-089	Bi-Metal Well - 1/2" NPT ³		
XXX-XXX	Custom Length ¹		
INSERTION LENGTH	_____		
	2-3/4"		
	3-1/2"		
	3-1/2"		
	3-3/4"		
	5"		
	7-1/4"		
	14-1/4"		
	22-15/16"		
	27-5/8"		
	33-11/16"		
	42-15/16"		
	9-1/8"		
	10-1/2"		
	12-1/8"		
	9"		
	6"		
CABLE LENGTH	_____		
	00		No Cable
CABLE TYPE	_____		
	0		No Cable Required
PROBE	_____		
	0		Standard probe (choose for well fittings)
	1		Heavy duty probe (choose for probes over 6" e.g. umbrellas or tri-clamps over 6")
1	NOTE: Must specify length if other than standard.		
	Additional charges apply for lengths greater than 6" Maximum insertion length is 43-1/2"		
2	Sensors with these fittings are non-cancellable/non-returnable for credit.		
3	Meets 3-A when used with a 3-A compliant well		

05040 / 2.2 / 2019-12-04 / KS / NA

ANDERSON INSTRUMENT COMPANY
 156 Auriesville Road
 Fultonville, NY 12072

Phone 800-833-0081
 Fax 518-922-8997
 info@anderson-negele.com

Tech. Support:
 techservice@anderson-negele.com
 Phone 800-833-0081