



Dipping Cabinets
OPERATORS MANUAL

Manual No. 513629

Rev.2

This manual provides basic information about the machine. Instructions and suggestions are given covering its operation and care.

The illustrations and specifications are not binding in detail. We reserve the right to make changes to the machine without notice, and without incurring any obligation to modify or provide new parts for machines built prior to date of change.

DO NOT ATTEMPT to operate the machine until instructions and safety precautions in this manual are read completely and are thoroughly understood. If problems develop or questions arise in connection with installation, operation, or servicing of the machine, contact Stoelting.



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A Few Words About Safety

Safety Information

Read and understand the entire manual before operating or maintaining Stoelting equipment.

This manual provides the operator with information for the safe operation and maintenance of Stoelting equipment. As with any machine, there are hazards associated with their operation. For this reason safety is emphasized throughout the manual. To highlight specific safety information, the following safety definitions are provided to assist the reader.

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

If you need to replace a part, use genuine Stoelting parts with the correct part number or an equivalent part. We strongly recommend that you do not use replacement parts of inferior quality.



Safety Alert Symbol:

This symbol Indicates danger, warning or caution. Attention is required in order to avoid serious personal injury. The message that follows the symbol contains important information about safety.

Signal Word:

Signal words are distinctive words used throughout this manual that alert the reader to the existence and relative degree of a hazard.



The signal word “WARNING” indicates a potentially hazardous situation, which, if not avoided, may result in death or serious injury and equipment/property damage.



The signal word “CAUTION” indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury and equipment/property damage.

CAUTION

The signal word “CAUTION” not preceded by the safety alert symbol indicates a potentially hazardous situation, which, if not avoided, may result in equipment/property damage.

NOTE (or NOTICE)

The signal word “NOTICE” indicates information or procedures that relate directly or indirectly to the safety of personnel or equipment/property.

DIPPING CABINETS

The dipping cabinet allows for the storage of freshly run custard for use in cones, dishes and other products. The dipping cabinet features an adjustable digital temperature controller which holds the custard at a consistent dipping temperature. The dipping cabinet has four 4.25 gallon removable square buckets.

This manual is designed to assist in the use of the DC-4, DC-4T, MDC2, MDC3 and MDC4 dipping cabinets.

CAUTION

Electrical Hazard

Do not operate the dipping cabinet unless the receptacle has an electrical ground. Do not attempt any repairs unless the power has been disconnected.

CLEANING THE DIPPING CABINET

The frequency of cleaning must comply with local health regulations. To clean the dipping cabinet, refer to the following steps:

1. Remove the buckets from the dipping cabinet and take them to the washing station.
2. Turn the dipping cabinet power switch OFF. This must be done daily to allow the cabinet to reach above freezing temperatures.
3. Remove the stainless steel covers and take them to the washing station.
4. Prepare detergent water by mixing 2 oz. of Palmolive detergent or equivalent in 2 gallons of 90° to 110°F water.



MDC-2



MDC-3



DC-4



DC-4T

5. Place the buckets and covers in the detergent solution. Clean the buckets and covers with a towel or sponge.
6. Thoroughly wash the dipping cabinet exterior, bucket well, and trough (if applicable) with a clean towel and the detergent solution.
7. Rinse all cleaned surfaces with a clean towel and water. Dry all surfaces with a clean dry towel.

In general, sanitizing may be conducted as follows:

1. Prepare Stera-Sheen Green Label Sanitizer or equivalent according to manufacturer's instructions to provide a 100 parts per million strength solution. Mix sanitizer in quantities of no less than 2 gallons of 90° to 110°F water.
2. Place the cleaned buckets and covers into the sanitizer solution.
3. With a clean and sanitized towel, wipe the dipping cabinet exterior, bucket well, and trough.
4. Remove the buckets and covers from the sanitizer solution and let them air dry.
5. Place the buckets into the well and install the covers onto the dipping cabinet.
6. Turn the dipping cabinet power switch ON.

SANITIZING THE DIPPING CABINET

Sanitizing must be done after the dipping cabinet is cleaned and before any product is added. Sanitizing the night before is not effective. However, you should always clean the dipping cabinet and parts after each use.

When sanitizing the dipping cabinet, refer to local sanitary regulations for applicable codes and recommended sanitizing products and procedures. The frequency of sanitizing must comply with local health regulations.

NOTE

Allow the dipping cabinet to operate for at least 2 hours prior to adding any custard.

DC4/DC4T			
Dimensions	Cabinet	with crate	
	width	44-3/4" (113,7 cm)	60" (152,4 cm)
	height	36" (91,4 cm)	44" (111,8 cm)
	depth	22-1/4" (56,5 cm)	35-3/4" (90,8 cm)
Weight	218 lbs (98,8 kg)	383 lbs (173,7 kg)	
Electrical	1 Phase, 115 VAC, 60Hz		
connection type	NEMA5-15P power cord provided		
Compressor	1,340 Btu/hr		
Dipping Well	Four - 4.25 gallon square buckets with lids		

	MDC2		MDC3		MDC4		
Dimensions	Cabinet	with crate	Cabinet	with crate	Cabinet	with crate	
	width	24" (61,0 cm)	60" (152,4 cm)	34" (86,4 cm)	60" (152,4 cm)	44-3/4" (113,7 cm)	60" (152,4 cm)
	height	36" (91,4 cm)	44" (111,8 cm)	36" (91,4 cm)	44" (111,8 cm)	36" (91,4 cm)	44" (111,8 cm)
	depth	14-1/4" (36,2 cm)	35-3/4" (90,8 cm)	14-1/4" (36,2 cm)	35-3/4" (90,8 cm)	14-1/4" (36,2 cm)	35-3/4" (90,8 cm)
Weight	203 lbs (92,0 kg)	383 lbs (173,7 kg)	203 lbs (92,0 kg)	383 lbs (173,7 kg)	218 lbs (98,8 kg)	383 lbs (173,7 kg)	
Electrical	1 Phase, 115 VAC, 60Hz						
connection type	NEMA5-15P power cord provided						
Dipping Well	Two - 4.25 gallon square buckets with lids		Three - 4.25 gallon square buckets with lids		Four - 4.25 gallon square buckets with lids		

Typical Settings for Dipping Cabinets with a Dual Stage Temperature Control

Note: Please use these settings as guidelines. Each cabinet may vary and should be set up for highest efficiency, best quality, and preferred product texture. Space has been provided for inputting the final settings after set up

Settings for Custard Buckets

		<u>Factory Settings</u>	<u>Your Settings</u>
Press set button on thermostat once	F/C:	F	_____
Press set button again	S1	10°	_____
Press set button again	Diff 1:	2°	_____
Press set button again	Mode:	C1	_____
Press set button again	S1	0	_____
Press set button again	Diff 2	2	_____
Press set button again	Mode	C2	_____

Press the set button one more time and it will show current temperature and lock in any changes that were made.

Settings for Lemon Ice Bucket

		<u>Factory Settings</u>	<u>Your Settings</u>
Press set button on thermostat once	F/C:	F	_____
Press set button again	S1	10°	_____
Press set button again	Diff 1:	2°	_____
Press set button again	Mode:	C1	_____
Press set button again	S1	0	_____
Press set button again	Diff 2	2	_____
Press set button again	Mode	C2	_____

Press the set button one more time and it will show current temperature and lock in any changes that were made.

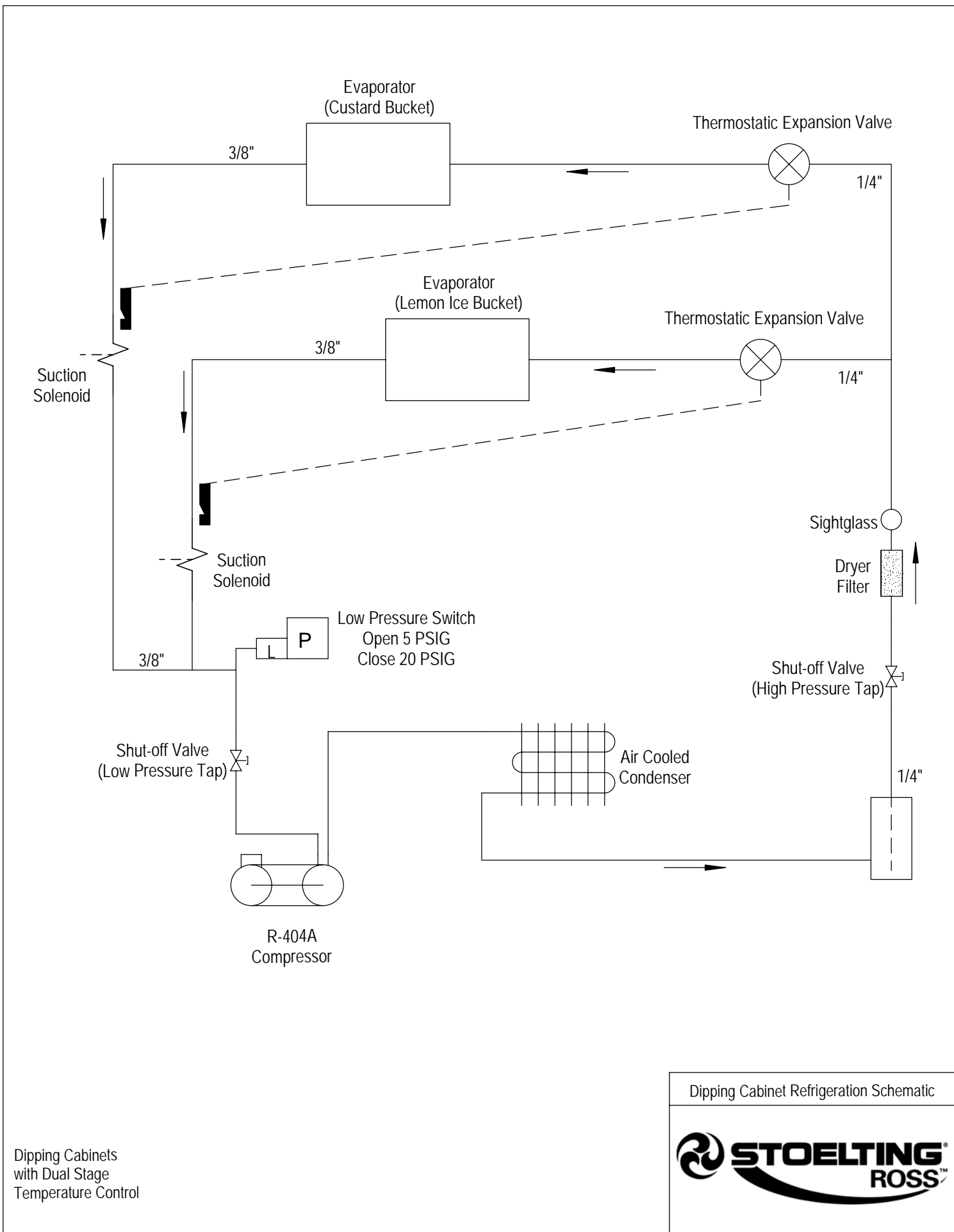
Typical Settings for Dipping Cabinets with a Single Stage Temperature Control

Note: Please use these settings as guidelines. Each cabinet may vary and should be set up for highest efficiency, best quality, and preferred product texture. Space has been provided for inputting the final settings after set up

Settings for Custard Buckets

		<u>Factory Settings</u>	<u>Your Settings</u>
Press set button on thermostat once	F/C:	F	_____
Press set button again	S1	10°	_____
Press set button again	Diff 1:	2°	_____
Press set button again	Mode:	C1	_____

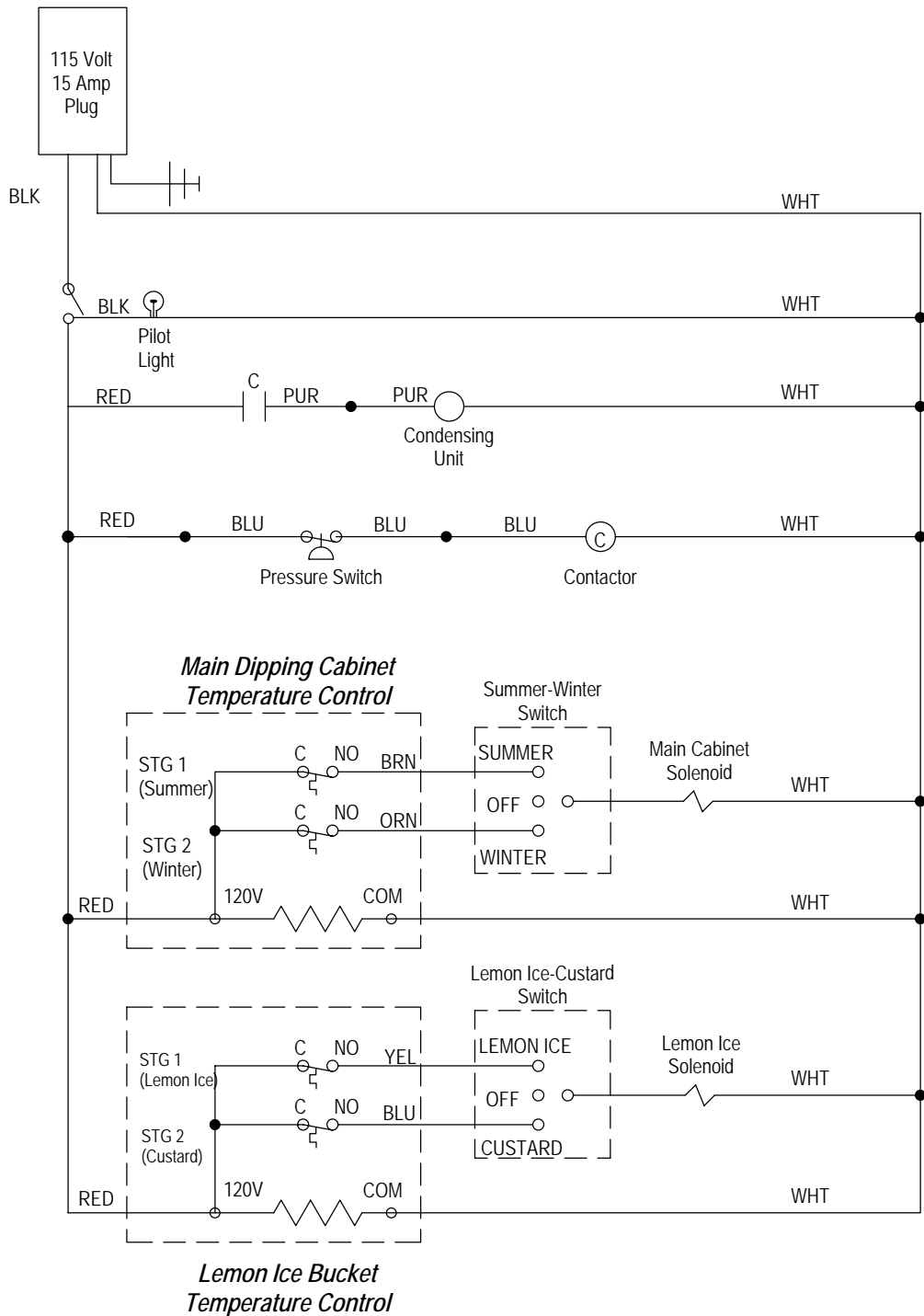
Press the set button one more time and it will show current temperature and lock in any changes that were made.



Dipping Cabinet Refrigeration Schematic

Dipping Cabinets
with Dual Stage
Temperature Control

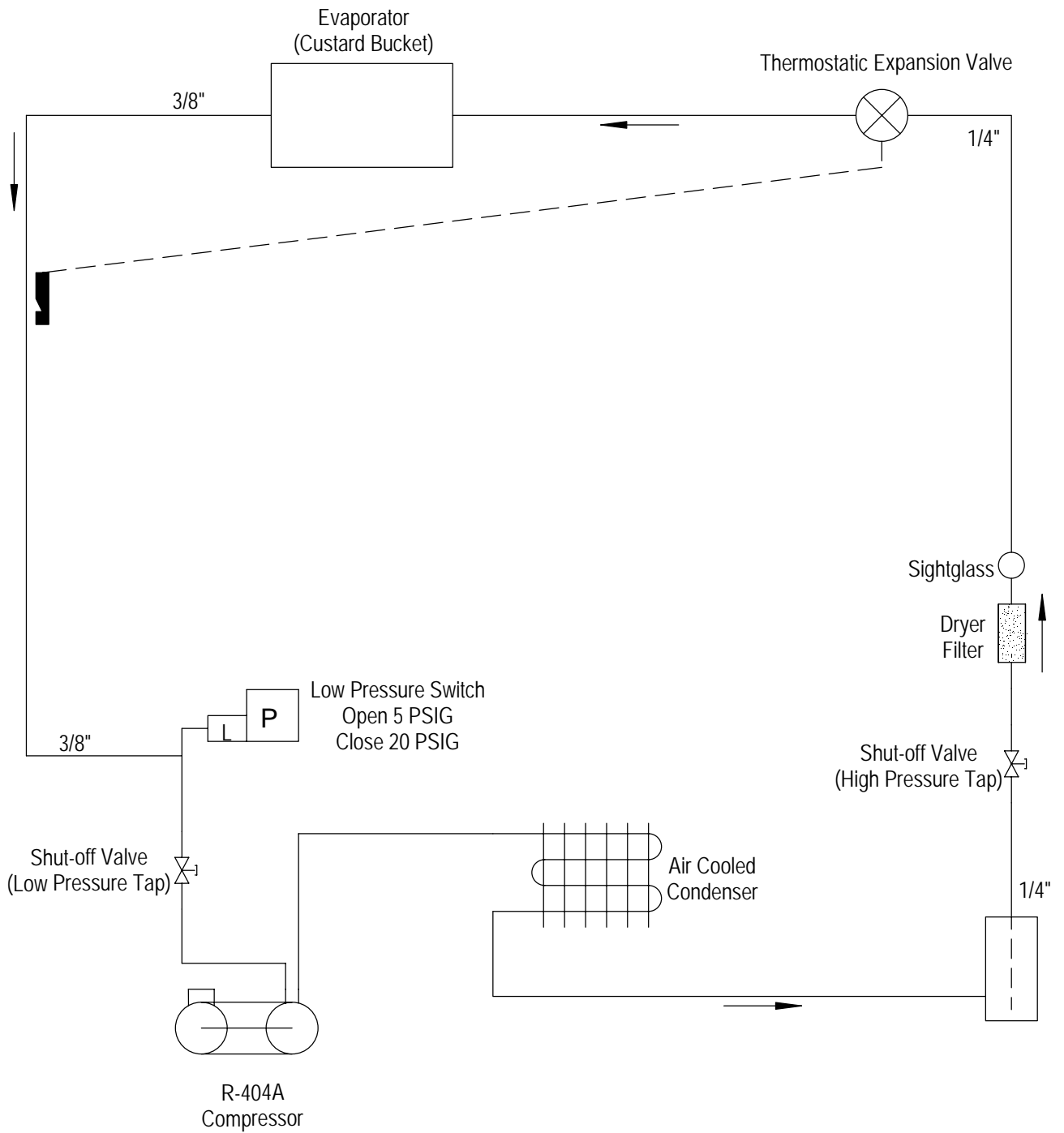




Dipping Cabinet
with Dual Stage
Temperature Control

Electrical Schematic

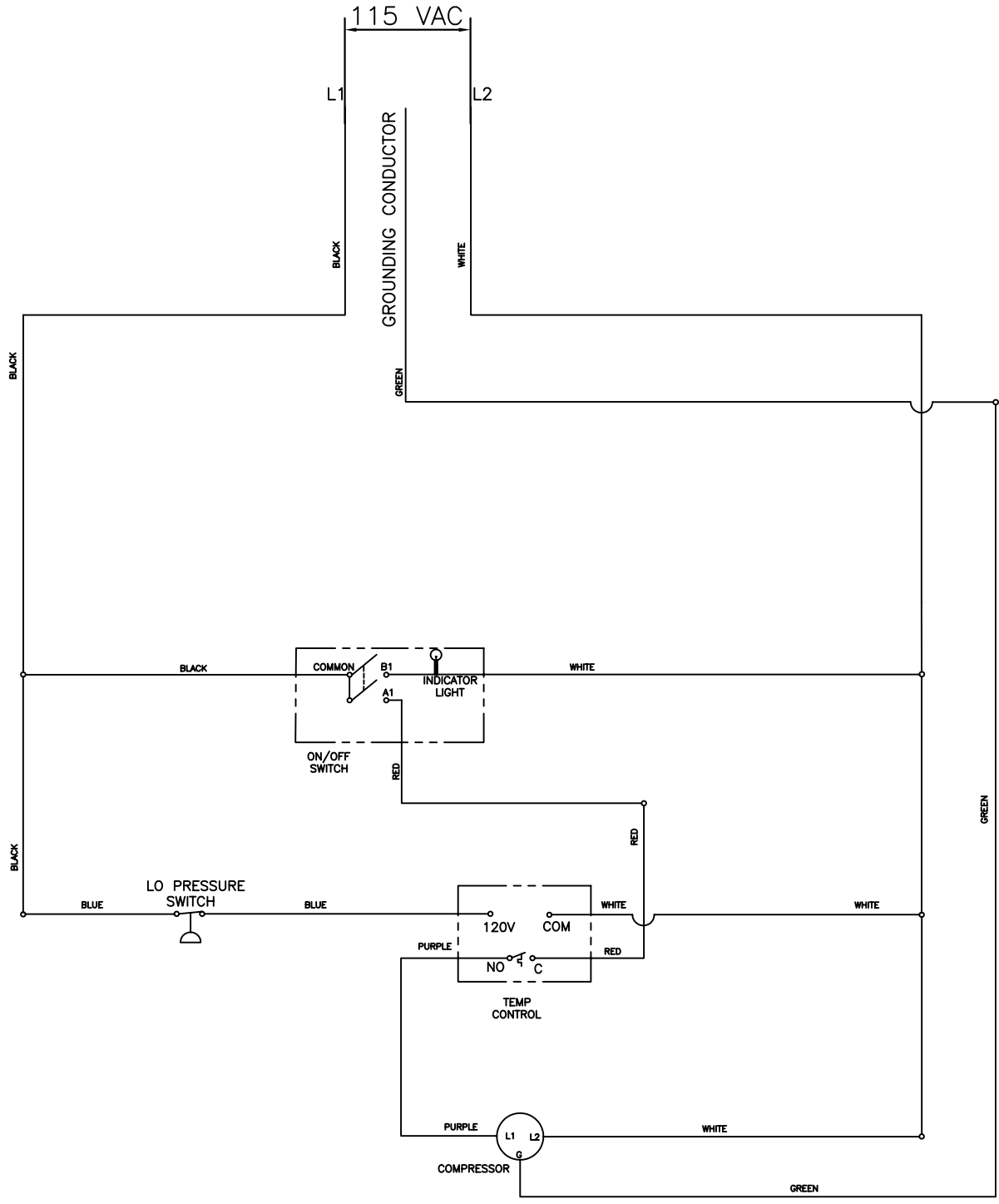
STOELTING
ROSS



Dipping Cabinet Refrigeration Schematic



Dipping Cabinets
with Single Stage
Temperature Control



MDC/DC; WIRING DIAGRAM