

## WATER-COOLED AFTERCOOLERS

MODELS 2Z926, 2Z927 & 4Z427

FORM  
5S1143  
07895

DAYTON ELECTRIC MANUFACTURING CO. CHICAGO 60648

0286/077/1M

**READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THE SPEEDAIRE WATER-COOLED AFTERCOOLERS!  
RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.**

### Description

Speedaire water-cooled aftercoolers are designed for high-efficiency cooling of compressed air discharge from 1 to 60 HP compressors. Water flows in opposite direction to air to conserve on water usage. Copper alloy tubes, shells and baffles for rapid heat transfer, bronze end castings for corrosion resistance, long service life. Mounting feet at both ends.

Removal of water vapor keeps air tools, valves and cylinders, spray guns, any air operated tool, clean and dry. This reduces downtime and maintenance from malfunctioning equipment due to dirt and water. Follow the installation instructions herein to obtain maximum efficiency and conservation of cooling water with aftercooler.

### General Safety Information

1. Do not exceed pressure rating of aftercooler, nor any component in air system.
2. Release all air or water pressure from system before attempting to install or maintain aftercooler.

### Specifications

MODEL	MAX. CFM	MAX. HP	COOLING AREA SURFACE SQ. FT.	MAXIMUM INLET TEMPERATURE	WORKING PRESSURE	
					TUBE SIDE (AIR)	SHELL SIDE (WATER)
2Z926	40	10	1.95	450° F	250 PSI	125 PSI
2Z927	110	25	5.36	450° F	250 PSI	125 PSI
4Z427	300	60	16.56	450° F	250 PSI	125 PSI

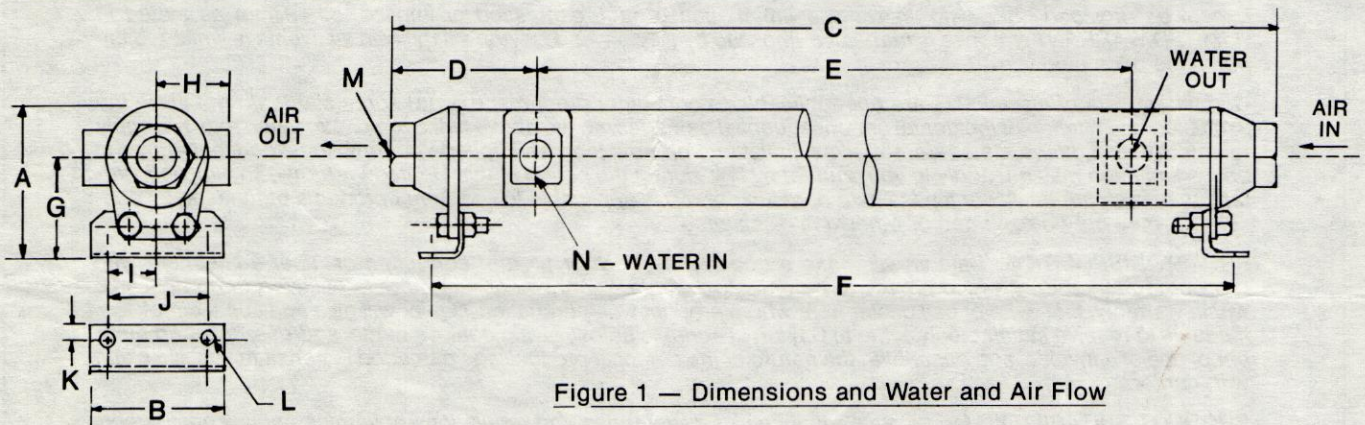


Figure 1 — Dimensions and Water and Air Flow

### Dimensions

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Wt.
2Z926	3/4	3	25	3/4	18 1/2	23 1/4	2 1/8	1 5/8	1 1/8	2 1/4	5/16"	1 1/32"	3/4" IPT	1/2" IPT	10 lb.
2Z927	3/4	3	36	3/4	29 1/2	34 1/4	2 1/8	1 5/8	1 1/8	2 1/4	5/16"	1 1/32"	1 1/4" IPT	1/2" IPT	18 lb.
4Z427	5	4 1/2	41	3 7/8	33 3/4	38 3/4	3 7/16	2 1/4	1 1/8	2 1/4	1/2	1 3/32"	2" IPT	1/2" IPT	28 lb.

## Installation

1. Turn off electricity to compressor and release pressure from your air system.
2. Aftercooler can be mounted on the side of the tank saddle, opposite the flywheel or to any wall with the mounting feet supplied.
3. Air can be piped from pump to aftercooler to tank or from pump to tank to aftercooler. It is always best to pipe in a bypass system should you wish to remove or circumvent the aftercooler. See Figure 2.
4. Pipe in cooling water, making sure that water flow is in the opposite direction of air flow. See Figure 1. This gives maximum use of cooling water.
5. Shut off valves should be installed on water inlet.

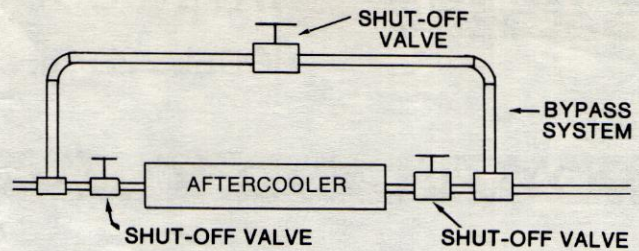


Figure 2 — Bypass System

## Operation

Start compressor and water flow. Adjust amount of water flow so that discharge air temperature is kept

at the lowest possible point with the least amount of water flow.

## LIMITED WARRANTY

Speedaire aftercoolers, Models 2Z926, 2Z927 & 4Z427, are warranted by Dayton Electric Mfg. Co. (Dayton) to the original user against defects in workmanship or materials under normal use (rental use excluded), for one year after date of purchase. Any part which is determined to be defective in material or workmanship and returned to an authorized service location, as Dayton designates, shipping costs prepaid, will be repaired or replaced at Dayton's option. For warranty claim procedures, see "Prompt Disposition" below. This warranty gives purchasers specific legal rights, and purchasers may also have other rights which vary from state to state.

**LIMITATION OF LIABILITY.** To the extent allowable under applicable law, Dayton's liability for consequential and incidental damages is expressly disclaimed. Dayton's liability in all events is limited to, and shall not exceed, the purchase price paid.

**WARRANTY DISCLAIMER.** Dayton has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions.

Except as provided below, no warranty or affirmation of fact, expressed or implied, other than as stated in "LIMITED WARRANTY" above is made or authorized by Dayton, and Dayton's liability in all events is limited to the purchase price paid.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some states do not allow limitations on how long an implied warranty lasts, consequently the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

**PROMPT DISPOSITION.** Dayton will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within warranty. For any product believed to be defective within warranty, first write or call dealer from whom product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date and number of dealer's invoice, and describing the nature of the defect. If product was damaged in transit to you, file claim with carrier.

**PRODUCT SUITABILITY.** Many states and localities have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While Dayton attempts to assure that its products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, please review the product application, and national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

Packaging – Processing

**Bid on Equipment**

1-847-683-7720

www.bid-on-equipment.com