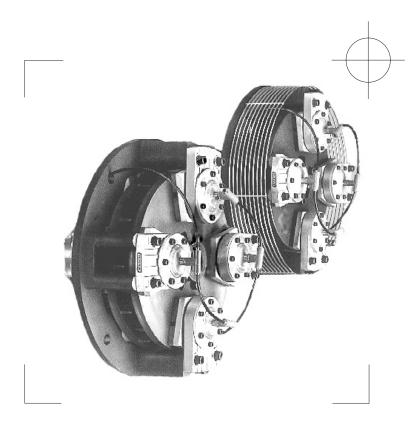
nexen.

AIR CHAMP® PRODUCTS

User Manual





Tension Control Brake Cooling Enhancement

In accordance with Nexen's established policy of constant product improvement, the specifications contained in this manual are subject to change without notice. Technical data listed in this manual are based on the latest information available at the time of printing and are also subject to change without notice.

Technical Support: 800-843-7445 (651) 484-5900

www.nexengroup.com



WARNING

Read this manual carefully before installation and operation.

Follow Nexen's instructions and integrate this unit into your system with care.

This unit should be installed, operated and maintained by qualified personnel ONLY.

Improper installation can damage your system or cause injury or death.

Comply with all applicable codes.

Nexen Group, Inc. 560 Oak Grove Parkway Vadnais Heights, Minnesota 55127

TABLE OF CONTENTS

troduction	1
stallation	1
Viring	1
laintenance	1
arts List	2
Varranty	3

INTRODUCTION

Read this manual carefully, making full use of its explanations and instructions. The "Know How" of safe, continuous, trouble-free operation depends on the degree of your understanding of the system and your willingness to keep all components in proper operating condition. Pay particular attention to all NOTES, CAUTIONS, and WARNINGS to avoid the risk of personal injury or property damage. It is important to understand that these NOTES, CAUTIONS, and WARNINGS are not exhaustive. Nexen cannot possibly know or evaluate all conceivable methods in which service may be performed, or the possible hazardous consequences of each method. Accordingly, anyone who uses a procedure that is not recommended by Nexen must first satisfy themselves that neither their safety or the safety of the product will be jeopardized by the service method selected.

INSTALLATION

The TC Brake Cooling Enhancement adds forced ventilation to increase brake thermal capacities at lower RPMs. It consists of a blower assembly, a four piece-mounting bracket and the screws and nuts required for assembly.

The Cooling Enhancement mounts on the wire housing guard ring of the TC Brake. For optimum performance, mount the Cooling Enhancement in the 10 o'clock or 2 o'clock position. NOTE: Model TC20 requires two Cooling Enhancements; one in the 3 o'clock position and one in the 9 o'clock position to attain the thermal HP increases shown in the TC Brake brochure.

- 1. Attach brackets (item #3) to the blower (item #1) flange with the four 1/4 inch cap screws, nuts and lockwashers (items 5, 6 and 7).
- 2. Place the blower/bracket assembly in the 10 o'clock or 2 o'clock position over the guard ring.
 - For maximum cooling efficiency the blower must be positioned with the velocity chamber on the mounting flange side of the brake. Insert the #10 machine screws (item #8) through the bracket mounting holes and into the guard ring between the wires. Place the screws on the velocity chamber side of the blower between the two wires closest to the mounting flange side of the brake.
- 3. Assemble the straps (item #4) under the wires with the #10 lockwashers (item #10) and nuts (item #9).

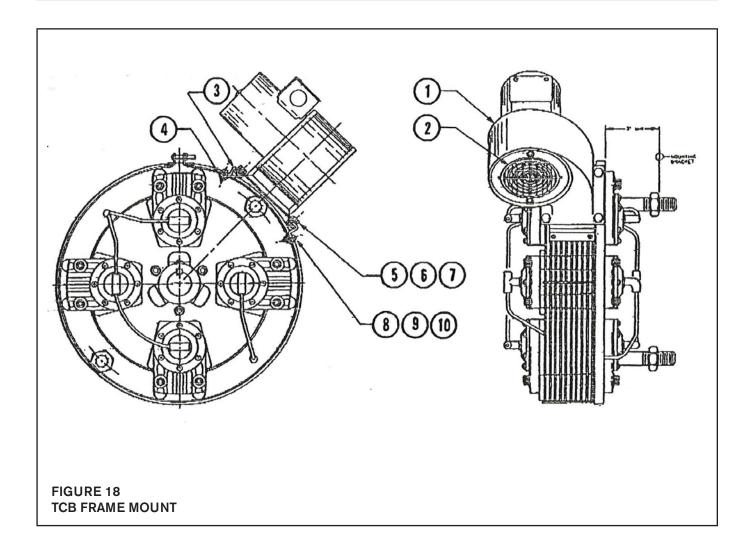
WIRING

The blower (item #1) conduit box contains two 12 inch long wire leads for electrical connection. Remove the cover and knock-out. Pass the wires through the knock-out opening and connect to a 110-volt, 60 Hz supply.

WARNING: The blower motor must be grounded.

MAINTENANCE

Lubricate the motor approximately every six months. Two lubricant access holes are located 180° from the conduit box. Periodically inspect the mounting screws, making sure they are tightened securely.



PARTS LIST

ITEM	DESCRIPTION	QTY
1	Blower Assembly	1
2	Guard	1
3	Bracket	2
4	Strap	2
5	Screw, Cap, 1/4	4
6	Nut, 1/4	4
7	Lockwasher, 1/4	4
8	Screw, Machine #10	4
9	Nut, #10	4
10	Lockwasher, #10	4

2 FORM NO. L-20068-A-0409

WARRANTY

Warranties

Nexen warrants that the Products will be free from any defects in material or workmanship for a period of 12 months from the date of shipment. NEXEN MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. This warranty applies only if (a) the Product has been installed, used and maintained in accordance with any applicable Nexen installation or maintenance manual for the Product; (b) the alleged defect is not attributable to normal wear and tear; (c) the Product has not been altered, misused or used for purposes other than those for which it was intended; and (d) Buyer has given written notice of the alleged defect to Nexen, and delivered the allegedly defective Product to Nexen, within one year of the date of shipment.

Exclusive Remedy

The exclusive remedy of the Buyer for any breach of the warranties set out above will be, at the sole discretion of Nexen, a repair or replacement with new, serviceably used or reconditioned Product, or issuance of credit in the amount of the purchase price paid to Nexen by the Buyer for the Products.

Limitation of Nexen's Liability

TO THE EXTENT PERMITTED BY LAW NEXEN SHALL HAVE NO LIABILITY TO BUYER OR ANY OTHER PERSON FOR INCIDENTAL DAMAGES, SPECIAL DAMAGES, CONSEQUENTIAL DAMAGES OR OTHER DAMAGES OF ANY KIND OR NATURE WHATSOEVER, WHETHER ARISING OUT OF BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, EVEN IF NEXEN SHALL HAVE BEEN ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF SUCH POTENTIAL LOSS OR DAMAGE. For all of the purposes hereof, the term "consequential damages" shall include lost profits, penalties, delay images, liquidated damages or other damages and liabilities which Buyer shall be obligated to pay or which Buyer may incur based upon, related to or arising out of its contracts with its customers or other third parties. In no event shall Nexen be liable for any amount of damages in excess of amounts paid by Buyer for Products or services as to which a breach of contract has been determined to exist. The parties expressly agree that the price for the Products and the services was determined in consideration of the limitation on damages set forth herein and such limitation has been specifically bargained for and constitutes an agreed allocation of risk which shall survive the determination of any court of competent jurisdiction that any remedy herein fails of its essential purpose.

Limitation of Damages

In no event shall Nexen be liable for any consequential, indirect, incidental, or special damages of any nature whatsoever, including without limitation, lost profits arising from the sale or use of the Products.

Warranty Claim Procedures

To make a claim under this warranty, the claimant must give written notice of the alleged defect to whom the Product was purchased from and deliver the Product to same within one year of the date on which the alleged defect first became apparent.



Nexen Group, Inc. 560 Oak Grove Parkway Vadnais Heights, MN 55127 800.843.7445 Fax: 651.286.1099 www.nexengroup.com