



WARNING: Installation, usage and maintenance of

this product must be in compliance with all RegO® instructions as well as requirements and provisions of NFPA #54, NFPA #58, DOT, ANSI, all applicable federal, state, provincial and local standards, codes, regulations and laws.

Inspection and maintenance on a periodic basis is essential. Installation and maintenance should be performed only by qualified personnel.

Be sure all instructions are read and understood before installation, operation and maintenance. These instructions must be passed along to the end user of the product.

CAUTION: Contact or inhalation of liquid propane, ammonia and their vapors can cause serious injury or death! NH₃ and LP-Gas must be released outdoors in air currents that will insure dispersion to prevent exposure to people and livestock. LP-Gas must be kept far enough from any open flame or other source of ignition to prevent fire or explosion! LP-Gas is heavier than air and will not disperse or evaporate rapidly if released in still air.

Foreword

The 1580V Series Regulators are designed to reduce pressure to between 3 and 125 psig. They are accurate and dependable over a wide range of operating conditions, and come in a variety of sizes, capacities and designs to suit your needs. Precision built with multi-million BTU capacity, the 1580V Series is perfect for big, tough jobs such as crop drying, asphalt batch mixing, road building (tar wagons), heat treating, high volume space heating and other large industrial and commercial loads. It is ideal as a first stage regulator. The AA1580V Series is ideal for use in anhydrous ammonia applications such as blue print machines and heat treating. A large nozzle and straight-through flow provide high capacity and resistance to freeze-ups.

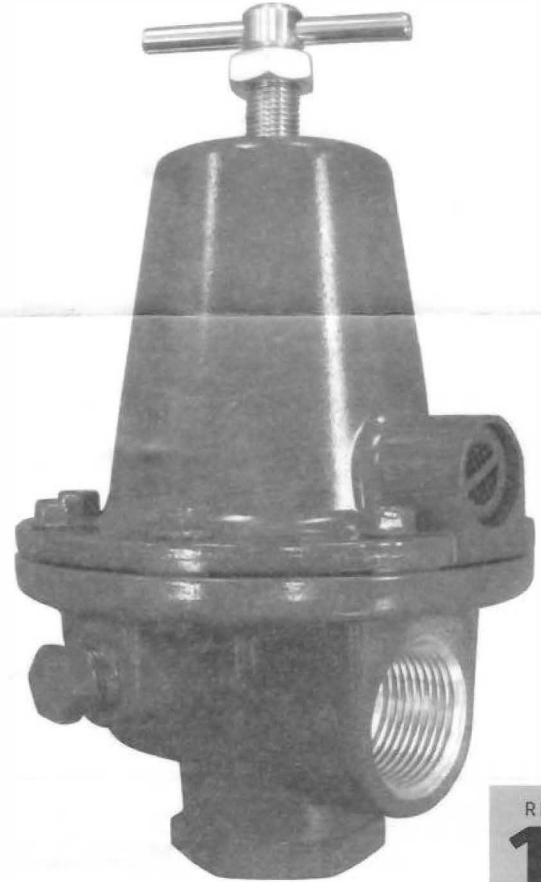
Installation

Clean dirt and foreign material from all piping and fittings. Be sure the regulator's inlet and outlet are correctly installed in-line according to the designed flow pattern and markings on the regulator body. Thread sealants used on piping must be compatible with the system's service. Pressure gauges must also be suitable for this service. Pressure gauges must be UL listed if 1,000 psig or higher. Regulators must be positioned to protect vents from the elements of ice, snow drifts, rain, dirt, bugs, paint, or other foreign material. If used indoors, LP-Gas regulators must be in accordance with NFPA #58 and local codes.

These regulators are suitable for use in both vapor and liquid service. Caution must be exercised with liquid service where the application involves trapping liquid between the regulator and a shut-off valve, either upstream or downstream of the regulator. Any hose or piping that may hold trapped liquid should be protected by installing a Hydrostatic Relief Valve (such as the RegO® 3127 Series for LP-Gas Service and SS8021 Series for NH₃ Service)

1580 & AA1580 Series Adjustable High Pressure Regulators Installation and Adjustment

1580V Series



or their equivalent.

Adjustment

The 1580 Series Regulator delivers any pressure within the range of the spring size selected. Please follow the "recommended" ranges shown in the chart. Adjustments are made by loosening the locknut securing the adjusting screw in the bonnet. Turning the adjusting screw down (clockwise) increases the delivery pressure.

Regulator Series	Service	Part Number Suffix	Delivery Pressure Range (psig)	
			Recommended	Actual
1580V	LP-Gas	H	45-125	0-125
		L	25-50	0-50
		N	3-30	0-30
AA1580V	NH ₃	H	45-125	0-125
		L	25-50	0-50
		K,W	3-30	0-30

CV for Relief Valve Sizing	Sizing	CV
1584V AA1584V	1/2"	3.2
1586V AA1586V	3/4"	4.4
1588V AA1588V	1"	4.4

NOTICE

LP-Gas is extremely flammable and explosive. Failure to install parts exactly as described in the instructions could result in a product that will not perform satisfactorily. Even if parts are correctly installed, the product might fail to perform satisfactorily, if other parts are worn, corroded or dirty. Improper repair can cause leaks and malfunction, which could result in bodily injury and property damage. **Any such use or installation of parts must ONLY be done by experienced and trained personnel using accepted governmental and industrial safety procedures.**

Most RegO® products are listed with Underwriters Laboratories as manufactured. If repaired, the continued validity of the UL listing is contingent upon proper inspection to determine what needs repairing, proper repair using RegO® parts and procedures, and proper testing for leakage and performance following repairs and installation.

RegO® assumes no responsibility or liability for performance of products repaired in the field. It must be clearly understood that the person or organization repairing the product assumes total responsibility for performance of the product.

LIMITED 10 YEAR WARRANTY AND LIMITATION OF LIABILITY

LIMITED 10 YEAR WARRANTY

RegO® warrants to the original purchasers the products and repair kits manufactured by it to be free from defects in materials and workmanship under normal use and service for a period of 10 years from the date of manufacture. If within thirty days after buyer's discovery of what buyer believes is a defect, buyer notifies in writing and ships the product to RegO® at 100 RegO Drive, Elon, N.C. 27244, RegO®, at its option, and within forty-five days of receipt, will repair, replace F.O.B. point of manufacture, or refund the purchase price of that part or product found by RegO® to be defective. Failure of buyer to give such written notice and ship the product within thirty days shall be deemed an absolute and unconditional waiver of any and all claims of buyer arising out of such defect.

This warranty does not extend to any product or part that is not installed and used continuously after installation in accordance with RegO®'s printed instructions, all applicable state and local regulations, and all applicable national standards, such as those promulgated by NFPA, DOT and ANSI. This warranty does not extend to any product or part that has been damaged by accident, misuse, abuse, failure to maintain, or neglect, nor does it extend to any product or part which has been modified, altered, disassembled, or repaired in the field. This warranty does not cover any cosmetic issues, such as scratches, dents, marring, fading of colors or discoloration.

Except as expressly set forth above, and subject to the limitation of liability below, RegO® MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, with respect to its products and parts, whether used alone or in combination with others. RegO® disclaims all warranties not stated herein.

LIMITATION OF LIABILITY

RegO® total liability for any and all losses and damages arising out of any cause whatsoever shall

in no event exceed the purchase price of the products or parts in respect of which such cause arises, whether such causes be based on theories of contract, negligence, strict liability, tort or otherwise.

RegO® shall not be liable for incidental, consequential or punitive damages or other losses. RegO® shall not be liable for, and buyer assumes any liability for all personal injury and property damage connected with the handling, transportation, possession, further manufacture, other use or resale of products, whether used alone or in combination with any other products or materials.

From time to time buyers might call to ask RegO® for technical advice base upon limited facts disclosed to RegO®. If RegO® furnishes technical advice to buyer, whether or not a buyer's request, with respect to application, further manufacture or other use of the products and parts, RegO® shall not be liable for such technical advice or any such advice provided to buyer by any third party and buyer assumes all risks of such advice and the results thereof.

NOTE: Some states do not allow the exclusion or limitation of incidental, consequential or punitive damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific legal rights, and you may have other rights that vary from state to state. The portions of the limited warranty and limitation of liability shall be considered severable and all portions which are not disallowed by applicable law shall remain in full force and effect.

WARNING

All RegO® products are mechanical devices that will eventually become inoperative due to wear, corrosion and aging of components made of materials such as rubber, etc. The environment and conditions of use will determine the safe service life of these products. Periodic inspection and maintenance are essential to avoid serious injury and property damage.

Many RegO® products are manufactured components which are incorporated by others on or in other products or systems used for storage, transport, transfer and otherwise for use of toxic, flammable and dangerous liquids and gases. Such substances must be handled by experienced and trained personnel only, using accepted governmental in industrial safety procedures.

NOTICE TO USERS OF PRODUCTS

The Limited Warranty stated above is a factory warranty to the first purchasers of RegO® products. Since most users have purchased these products from RegO® distributors, the user must within thirty (30) days after the user's discovery of what user believes is a defect, notify in writing and return the product to the distributor from whom he purchased the product/part. The distributor may or may not at the distributor's option choose to submit the product/parts to RegO®, pursuant to this Limited Warranty. Failure by buyer to give such written notice within thirty (30) days shall be deemed an absolute and unconditional waiver of buyer's claim for such defects. Acceptance of any alleged defective product/parts by RegO®'s distributor for replacement or repairs under the terms of RegO®'s Limited Warranty in no way determines RegO®'s obligations under this Limited Warranty.

Because of a policy of continuous product improvement, RegO® reserves the right to change designs, materials or specifications without notice.



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