

Safe Component Selection

1. Consider the total system design when selecting a component to ensure safe, trouble-free performance.
2. The user is responsible for assuring all safety and warning requirements of the application are met through his/her own analysis and testing.
3. Upon request, TESCO M may suggest material for use with specific media. These suggestions are based on manufacturer and association technical compatibility resources and are dependent on complete and accurate information from user. **IN EXCHANGE FOR SUCH SUGGESTION, CUSTOMER WAIVES ANY CLAIM IT MAY HAVE AGAINST TESCO M FOR DAMAGES INCURRED REGARDLESS OF FAULT.**
4. Component function, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system user.



WARNING

Do not modify equipment or add attachments not approved by the manufacturer.

LIMITED WARRANTY

Tescom Corporation ("Seller") warrants that the licensed firmware embodied in the goods will execute the programming instructions provided by Seller, and that the goods manufactured or services provided by Seller will be free from defects in materials or workmanship under normal use and care until the expiration of the applicable warranty period. Goods are warranted for twelve (12) months from the date of initial installation or eighteen (18) months from the date of shipment by Seller, whichever period expires first. Consumables and services are warranted for a period of 90 days from the date of shipment or completion of the services. Products purchased by Seller from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. Buyer agrees that Seller has no liability for Resale Products beyond making a reasonable commercial effort to arrange for procurement and shipping of the Resale Products. If buyer discovers any warranty defects and notifies Seller thereof in writing during the applicable warranty period, Seller shall, at its option, correct any errors that are found by Seller in the firmware of services or repair or replace F.O.B. point of manufacture that portion of the goods or firmware found by Seller to be defective, or refund the purchase price of the defective portion of the goods/services. All replacements or repairs necessitated by inadequate maintenance, normal wear and usage, unsuitable power sources or environmental conditions, accident, misuse, improper installation, modification, repair, storage or handling, or any other cause not the fault of Seller are not covered by this limited warranty, and shall be at buyer's expense. Seller shall not be obligated to pay any costs or charges incurred by buyer or any other party except as may be agreed upon in writing in advance by Seller. All costs of dismantling, reinstallation and freight and the time and expenses of Seller's personnel and representatives for site travel and diagnosis under this warranty clause shall be borne by buyer unless accepted in writing by Seller. Goods repaired and parts replaced by Seller during the warranty period shall be in warranty for the remainder of the original warranty period or ninety (90) days, whichever is longer. This limited warranty is the only warranty made by Seller and can be amended only in a writing signed by Seller. **THE WARRANTIES AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE. THERE ARE NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR ANY OTHER MATTER WITH RESPECT TO ANY OF THE GOOD OR SERVICES.**

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TESCOM™


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Process Management

ASSEMBLY/INSTALLATION DRAWINGS, BILL OF MATERIAL Drawings and parts lists for your product may be obtained by calling the number to the right. TESCO M will provide these by fax or mail. Your local TESCO M representative can provide additional assistance.

Call +1 800 447 1250 for assembly/installation drawings & bill of material. Be sure to have your complete model number ready.

Safety, Installation, & Operation Precautions

TESCOM™

HIGH PURITY CONTROLS

DO NOT ATTEMPT TO SELECT, INSTALL, USE, OR MAINTAIN THIS REGULATOR, VALVE, OR ACCESSORY UNTIL YOU HAVE READ AND FULLY UNDERSTOOD THESE INSTRUCTIONS.

BE SURE THIS INFORMATION REACHES THE OPERATOR AND STAYS WITH THE PRODUCT AFTER INSTALLATION.

DO NOT PERMIT UNTRAINED PERSONS TO INSTALL, USE, OR MAINTAIN THIS REGULATOR, VALVE, OR ACCESSORY.



WARNING

IMPROPER SELECTION, IMPROPER INSTALLATION, IMPROPER MAINTENANCE, MISUSE, OR ABUSE OF REGULATORS, VALVES, OR RELATED ACCESSORIES CAN CAUSE DEATH, SERIOUS INJURY, AND/OR PROPERTY DAMAGE.

Possible consequences include but are not limited to:

- High velocity fluid (gas or liquid) discharge
- Parts ejected at high speed
- Contact with fluids that may be hot, cold, toxic, or otherwise injurious
- Explosion or burning of the fluid
- Lines/hoses whipping dangerously
- Damage or destruction to other components or equipment in the system



WARNING

SAFETY PRECAUTIONS:

1. Inspect the regulator, valve, and accessories before each use.
2. Never connect regulators, valves, or accessories to a supply source having a pressure greater than the maximum rated pressure of the regulator, valve, or accessory.
3. Refer to product label (modification specific) for maximum inlet pressures. If this rated pressure cannot be found, contact your local TESCO representative for the rated pressure prior to installation and use. Verify the designed pressure rating of all equipment (e.g., supply lines, fittings, connections, filters, valves, gauges, etc.) in your system. All must be capable of handling the supply and operating pressure.
4. Clearly establish flow direction of the fluid before installation of regulators, valves, and accessories. It is the responsibility of the user to install the equipment in the correct direction.
5. Do not tighten fittings, gages, or components in pressurized systems.
6. Never turn regulator or valve body. Instead hold regulator or valve body and turn fitting nut.
7. If a regulator or valve leaks or malfunctions, take it out of service immediately.
8. Do not modify equipment or add attachments not approved by the manufacturer.
9. Apply pressure to the system gradually, avoiding a sudden surge of fluid or pressure shock to the equipment in the system.



WARNING

SAFETY PRECAUTIONS (Continued):

10. Regulators are not shut-off devices. Install a pressure relief device downstream of the regulator to protect the process equipment from operating pressure increases. Shut off the supply pressure when the regulator is not in use.
11. CAUTION: Positive seal / tied diaphragm regulators require the downstream pressure vented before turning the handknob counterclockwise to reduce the outlet pressure. Damage may occur to the regulator if this procedure is not followed.
12. Periodic inspection and scheduled maintenance of your equipment is required for continued safe operation.
13. The frequency of servicing is the responsibility of the user based on the application.
14. Never allow problems or lack of maintenance to go unreported.
15. Read and follow precautions on compressed gas cylinder labels.
16. It is important that you analyze all aspects of your application and review all available information concerning the product or system. Obtain, read, and understand the Material Safety Data Sheet (MSDS) for each fluid used in your system.
17. Corrosive, flammable, and toxic gases require special expertise and knowledge of system design and material compatibility in order to minimize the potential for death, serious injury, and/or property damage.



WARNING

SAFETY PRECAUTIONS (Continued):

18. Never use materials for regulators, valves, or accessories that are not compatible with the fluids being used.
19. Never install this product in liquid service. If installed in liquid service, the product life is the sole responsibility of the customer.
20. TESCO may suggest material for use with specific media upon request. Suggestions are based on technical compatibility resources through associations and manufacturers. TESCO does NOT guarantee materials to be compatible with specific media – THIS IS THE RESPONSIBILITY OF THE USER!
21. Users must test under normal operating conditions to determine suitability of materials in an application.
22. Vent fluids to a safe environment, and in an area away from employees. Be sure that venting and disposal methods are in accordance with Federal, State, and Local requirements. Locate and construct vent lines to prevent condensation or gas accumulation. Make sure the vent outlet is not obstructed by rain, snow, ice, vegetation, insects, birds, etc. Do not interconnect vent lines; use separate lines if more than one vent is needed.
23. Do not locate regulators, valves, or accessories using flammable fluids near open flames or any other source of ignition.



WARNING

SAFETY PRECAUTIONS (Continued):

24. Some fluids when burning do not exhibit a visible flame. Use extreme caution when inspecting and/or servicing systems using flammable fluids to avoid death or serious injury to employees. Provide a device to warn employees of these dangerous conditions.
25. Many gases can cause suffocation. Make certain the area is well ventilated. Provide a device to warn employees of lack of oxygen.
26. Never use oil or grease on these regulators, valves, or accessories. Oil and grease are easily ignited and may combine violently with some fluids under pressure.
27. Have emergency equipment in the area if toxic or flammable fluids are used.
28. Upstream filters are recommended for use with all fluids.
29. Do not bleed system by loosening fittings.
30. Prevent icing of the equipment by removing excess moisture from the gas.

INSTALLATION

Inspect the regulator, valve, and accessories for physical damage and contamination. Do not connect the regulator, valve, or accessory if you detect oil, grease, or damaged parts. If the regulator, valve, or accessory is damaged, contact your local TESCO representative to have the regulator cleaned or repaired.



WARNING

Make sure that the components and materials used in the fluid handling system are compatible with the fluid and have the proper pressure rating.