



YARWAY NARVIK TEMPLow SERIES 4300 STEAM DESUPERHEATER OPERATING AND SAFETY INSTRUCTIONS

Before installation these instructions must be fully read and understood

This instruction is also applicable for Yarway models 58, 91 and 93.

WARNING

For safety reasons, it is important to take the following precautions before you start work on the valve:

- 1. Read and understand this sheet, all warning labels fitted to the valve and the applicable Yarway Installation, Operation, and Maintenance Instructions (IOM) for this valve.*
 - 2. The applicable IOM for this valve should be attached or enclosed, if not contact your Emerson representative.*
 - 3. Personnel performing any work on the valves should utilize equipment and clothing normally used to work with the process where the valve is installed.*
 - 4. The service line and valve must be depressurized, drained, cooled down and vented before installing or repairing the valve.*
 - 5. Personnel trained in all aspects of manual and mechanical handling techniques must carry out handling of all valves.*
 - 6. Ensure the valve pressure/temperature limitations marked on the identification label are above or equal to service conditions.*
 - 7. Do not modify the valve without written authorization by Yarway Corporation.*
 - 8. Install valves using gasket and bolting components in accordance with applicable codes and use techniques in accordance with standard accepted piping practice.*
2. Yarway TempLow valves are uni-directional with a water connection flange that is smaller than the steam connection flange and are to be installed with the water spray direction in the same direction as the steam flow. Please reference the Yarway certified drawing issued with your TempLow Desuperheater (per valve serial number) for installation dimensions for field connecting pipe.
 3. Install the TempLow 90 degrees to the pipe.
 4. Remove protective covers from valve flange faces.
 5. Ensure that flanged mating faces and gaskets are clean and undamaged.
 6. Should there be any possibility of abrasive particles (weld slag, sand, chemical clean residue ...etc.) within the piping system, this could damage valve seating. The system needs to be thoroughly flushed/blown out clean prior to operation. Remove packaging material from inside the valve.
 7. Fit the valve into pipework ensuring the required clearance and access for disassembly and replacement of trim.
 8. Ensure pipe-mating flanges are aligned correctly, bolting should be easily inserted through mating flange holes. Tighten the flange bolts per ASME requirements.
 9. Refer to point 5 flushed clean: typical valve materials are resistant against pickling fluids (as the pipe material is). If pickling fluids are required, check resistance to pickling with pickling company. Yarway is not liable for damage to the valve from chemical cleaning processes. Damages can also occur during flushing with high speed foreign bodies, e.g. at valve seats. Replace gaskets and seals coming in touch with the pickling fluid, carefully clean sealing areas before replacement.
 10. Yarway does not accept liability when assembly and maintenance regulations, instructions, and warning indications are not observed and adhered to.

CONTACT

Your local Emerson Valves & Controls office.

INSTALLATION

1. Please read the TempLow instruction manual (IOM) for important installation details critical to successful operation of the valve.

YARWAY NARVIK TEMPLOW SERIES 4300 STEAM DESUPERHEATER

OPERATING AND SAFETY INSTRUCTIONS

OPERATION/SERVICE LIFE AND INSPECTION/ MAINTENANCE/SPARE PARTS

Read all warning labels fitted to the valve before operation or maintenance!

Operation

Yarway TempLow valves are operated via an actuator assembly mounted on top of the valve in response to a feedback temperature control system.

Service life and inspection

Expected service life can vary with operating conditions. Inspection intervals should be per site experience. Inspection methods per the IOM.

Maintenance

No routine maintenance is required other than periodic inspection to ensure satisfactory operation and sealing. Please see IOM for your valve.

Spare parts

Yarway TempLow valves are identified by a serial number stamped on the nameplate. Reference this serial number when placing a parts order.

STORAGE/PROTECTION/SELECTION/ CATEGORY

Storage

When Yarway TempLow valves are to be stored for some time before being installed, storage should be in the original delivery crates with any waterproof lining and/or desiccant remaining in place. Storage should be off the ground in a clean, dry, indoor area. If storage is for a period exceeding six months the desiccants bags (if supplied) should be changed at this interval. Remove the valve stem packing. Apply a Cosmoline type grease to the flange faces.

Protection

Yarway TempLow valves are delivered with plastic caps protecting the flanged faces. To protect the valve from damage, wrapping and/or covers should be left in place until immediately before fitting to the pipe.

Selection

Ensure the valve's materials of construction and pressure/temperature limits shown on the identification plate are suitable for the process fluid, operating conditions, and applicable piping code. If in doubt contact Yarway.

Category

Yarway TempLow valves are manufactured and supplied in accordance with 97/23 EC - Category I, module A, liquid group 2. Pressure/temperature limitations are indicated on the valve nameplate.