2335 Series
Sea Water Automatic Flow Control Valves

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

GENERAL INFORMATION

1. Clean the lines of all foreign material, (welding slag, pipe scale, dirt, thread chips etc.). Upstream installation of a strainer may be necessary in dirty systems.
2. Air should be eliminated from the system prior to startup to assure quiet operation and freedom from water hammer.
3. Hays Automatic Flow Control Valves may be installed in the pipe line horizontally, vertically or any angle in between. Straight sections of pipe upstream or downstream of the Hays valve are unnecessary for proper operation. Standard reducing bushings or flanges may be directly connected to the Hays valve if required.
4. All Hays Automatic Flow Control Valves are marked with direction of flow and rate of flow. THE FLOW ARROW MUST POINT IN THE DIRECTION OF FLOW FOR PROPER OPERATION.
5. Hays Flow Control Valves are factory assembled, individually calibrated and are tamperproof once installed in the pipe. The valves are warranted to be accurate within 10% of rated flow when properly installed.
6. Hays Automatic Flow Control Valves may be modified by using a Hays Service Kit. Contact Factory for part numbers, instructions and other details.

OPERATION

1. For optimum operation, air entrainment in the system must be eliminated. The flow control valve must remain filled with fluid. The system must be clean and free of foreign materials.
2. The Hays 2335 Mesurflo Valves must only be used with fluids that are compatible with Bronze UNS C83600 and EPDM materials. The temperature during operation must be limited to the range of 32° F to 225° F.
3. The use of fluids having a specific gravity different from that of water will require adjustment. Valves specified for fluids other than water will be so marked and the factory calibration will take the specific fluid's properties into consideration. Operation at a temperature other than the rated temperature may require a correction.

INSTALLATION

Flanged Connections

1. Flanged valves are intended for use in Building Services Piping meeting the requirements of ASME B 31.9 and are supplied with flanges complying to ASME B16.24-2021 (Class 150) (Flange thickness is IAW ASME B16.5 (Class 150)). These flange connections are suggested to be connected into the piping system utilizing new ASTM A194, GR 2H, nuts, new ASTM A193 GR B7 bolts, size 5/8 inch, and two hardened steel washers under each nut.
2. Appropriate gasket material must be used when installing flange mounted flow control valves. The thinnest practical gasket should be used whenever possible so as to optimize the joint performance.

MAINTENANCE

General maintenance is not required for Hays Flow Control Valves, however if the system experiences large amounts of pipe scale due to poor water conditions, as sometimes is found in older or retrofit systems, some may be required. Provisions should be made to keep the system clean. Proper water treatment is also recommended.

LIMITED WARRANTY

See Hays Fluid Controls Current Terms & Conditions