



**Mesurflo™ Automatic  
Balancing Valve 2520  
Order Form**

- 1) A separate sheet is required for each configuration change
- 2) Make a check mark  by each option and list quantities by each GPM
- 3) Make as many copies as needed for each order

| Inlet Connection Size / Type  |  |
|-------------------------------|--|
| 3/4" FNPT                     |  |
| 3/4" MNPT                     |  |
| 1" FNPT                       |  |
| 1" MNPT                       |  |
| 1-1/4" FNPT                   |  |
| 1-1/4" MNPT                   |  |
| 1-1/2" FNPT                   |  |
| 1-1/2" MNPT                   |  |
| Outlet Connection Size / Type |  |
| 3/4" FNPT                     |  |
| 3/4" MNPT                     |  |
| 3/4" FSWT                     |  |
| 1" FNPT                       |  |
| 1" MNPT                       |  |
| 1" FSWT                       |  |
| 1-1/4" FSWT                   |  |
| 1-1/4" MNPT                   |  |
| 1-1/2" MNPT                   |  |

| GPM  | Qty | GPM  | Qty | GPM  | Qty |
|------|-----|------|-----|------|-----|
| 0.50 |     | 3.50 |     | 13.0 |     |
| 0.63 |     | 4.00 |     | 14.0 |     |
| 0.75 |     | 4.50 |     | 15.0 |     |
| 1.00 |     | 5.00 |     | 16.0 |     |
| 1.13 |     | 5.50 |     | 17.0 |     |
| 1.25 |     | 6.00 |     | 18.0 |     |
| 1.50 |     | 6.50 |     | 19.0 |     |
| 1.63 |     | 7.00 |     | 20.0 |     |
| 1.75 |     | 7.50 |     | 21.0 |     |
| 2.00 |     | 8.00 |     | 22.0 |     |
| 2.25 |     | 9.00 |     | 23.0 |     |
| 2.50 |     | 10.0 |     | 24.0 |     |
| 3.00 |     | 11.0 |     | 25.0 |     |
| 3.25 |     | 12.0 |     |      |     |

| Options*                                 |  |
|--|--|
| Pressure / Temperature Ports             |  |
| 1/4" Plug (Ports Machined)               |  |
| Extended Pressure/Temperature Ports      |  |
| Pressure Taps                            |  |
| Tagging*                                 |  |
| Stainless Steel Tag-Chain (SS TAG-CHAIN) |  |



To reduce water flow noises and prolong equipment life within hydronic heating and cooling systems it is critical that the HVAC system piping is designed based upon maximum recommended velocity limits. The following information is from the Hays Fluid Controls Engineering Team that can help you succeed in this area.

**HVAC system piping are usually designed based on velocity limits to avoid pipe erosion, cavitation and noise issues. As seen below, the table has been developed using the MRV (Maximum Recommended Velocity) limits of 7 ft/sec to allow piping to be easily and quickly sized. The above limits certainly do vary as a function of estimated operating hours, system operations, pumping system and different applications.**

**Note: The limitations for variable pumping systems are less stringent but generally rises with increase in hours of operation.**

| <b>Recommended Selection</b> |        |            |           |
|------------------------------|--------|------------|-----------|
| Size                         |        | Flow Range |           |
| Imperial                     | Metric | GPM        | LPM       |
| 1/4"                         | DN8    | 0.5-1.0    | 1.9-3.8   |
| 3/8"                         | DN10   | 1.5-2.0    | 5.7-7.6   |
| 1/2"                         | DN15   | 0.5-4.0    | 1.9-15.1  |
| 3/4"                         | DN20   | 4.5-9.0    | 17.0-34.1 |
| 1"                           | DN25   | 9.0-17.0   | 34.1-64.4 |
| 1-1/4"                       | DN32   | 18.0-26.0  | 68.1-98.4 |
| 1-1/2"                       | DN40   | 27.0-40.0  | 102.-151  |
| 2"                           | DN50   | 40.0-68.0  | 151-257   |
| 2-1/2"                       | DN65   | 69.0-105   | 261-397   |
| 3"                           | DN80   | 110-150    | 416.568   |
| 4"                           | DN100  | 155-255    | 587-965   |