



Mesurflo™ Y-Ball Automatic Balancing Valve 2524 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

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

Side Porting	
None ^a	
Right Side	
Left Side	

Handle Options*	
Lever	
Short	
Extended	

Port Options*	Outlet	Inlet
None ^a (Ports Not Machined)		
1/4" Plug (Ports Machined w/1/4" Plug)		
Pressure Taps		
Pressure/Temperature Port		
Extended Pressure/Temperature Ports		
Manual Air Vent (Placed in Top Port)		
Tagging*		
Stainless Steel Tag-Chain (SS TAG-CHAIN)		

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

^a Ports must be machined on either right or left side in order to install plugs, pressure taps or pressure temperature ports on the valve.



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.

Recommended Selection			
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