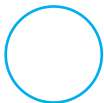


Dahl Brothers Canada Ltd 1-800-268-5355 CDA 1-800-268-2363 USA

Mini-Ball™ Balancing Valve Instructions for all sizes:

- Install valve according to local building code.
- Do not dismantle. If soldering, aim flame towards pipe.
- Remove safety cap.
- Using 1/8" Allen key or 1/8" hex wrench, close memory spindle all the way (clockwise) and open it the required number of turns from the closed position according to calculation below.

For balancing of manifolds, open fully the memory spindle for the longest loop and balance the other loops by setting their memory spindles according to their loop lengths relative to the longest loop.



Working pressure:
Max. 250 PSI to
250°F depending
on pipe material.

Available for
Copper, Iron, PEX,
Poly-B, PEX-AL-PEX

Example of 4 loop manifold:

Loop	Ft/Loop	No. of turns open to set memory spindle
1	250'	$250/250 \times 10 = 10$ turns (fully open)
2	200'	$200/250 \times 10 = 8$ turns
3	125'	$125/250 \times 10 = 5$ turns
4	100'	$100/250 \times 10 = 4$ turns

Averaging 10% of full flow per turn.

Approx. Cv (fully open): 1/2" = 3.0 3/4" = 6.0
Cv values vary depending on pipe connections.

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