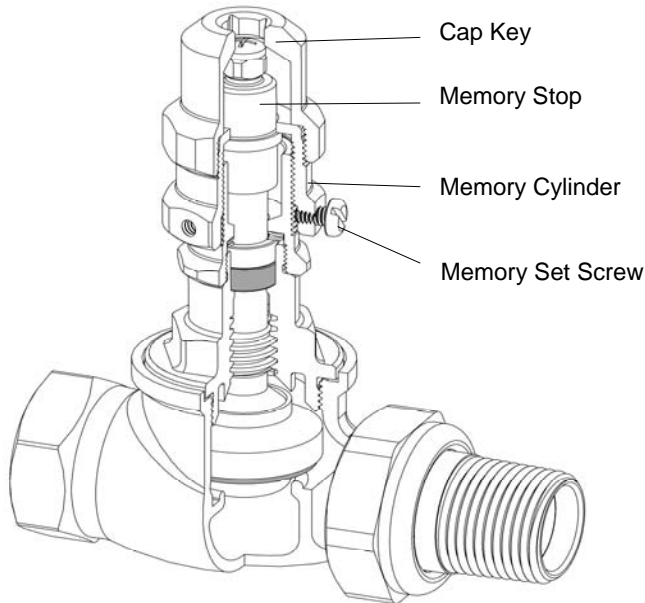


DAHL 13000-M SERIES BRASS BALANCING VALVES WITH MEMORY – POSITIVE SHUT OFF

#2697 13000-M SERIES
INSTRUCTION SHEET
Rev July/08



Application: Forced water heating and cooling systems

Working Pressure/Temperature: 250psi/250°F

FLOW SETTING CHARTS

BALANCING OF FLOW	Turns of Spindle from Closed Position	
	1/2" & 3/4"	1" & 1-1/4"
1/4 of Full Flow	1/2	1/2
1/2 of Full Flow	1	3
3/4 of Full Flow	2	4
Full Flow	3	5

#13013-M 3/4F x 3/4M Union

FLOW THROUGH VALVE AT DIFFERENT SETTINGS

No. of Turns of Spindle from Closed Position	C _v = Flow in USGPM with 1 psi Pressure Difference Across Valve			
	1/2"	3/4"	1"	1-1/4"
1/2	1.1	2.0	2.1	4.7
1	1.6	2.6	2.8	5.5
2	2.0	3.8	3.2	7.0
3	-	-	4.3	9.5
4	-	-	7.6	13.0
Fully Opened	2.9	5.3	12.0	18.0

OPERATING PROCEDURE:

1. Unscrew Cap Key, invert and place over spindle.
2. Spindle down to closed position.
3. Loosen Memory Set Screw on Memory Cylinder.
4. Remove Memory Cylinder.
5. Turn spindle open to the desired flow as per **FLOW SETTING CHARTS**.
6. Screw Memory Cylinder down gently until it stops.
7. Tighten Memory Set Screw using any of the three holes for easiest access and replace Cap Key.
8. Valve may be closed at any time for repairs, etc., and will re-open to previous setting of flow.



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