Engineering Specification

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

iDROSET™ Series CSD

Calibrated Flow Measurement and Balancing Valve

Sizes: ½" – 2"

Series iDROSET CSD calibrated flow measuring and static balancing valves are designed for hydronic heating and cooling systems. With patented flow measurement technology integrated into the valve, their large easy-to-read flow gauge and hand wheel allow the continuous reading of flow and the setting of flow without tools or additional instrumentation. The iDROSET CSD's ball-type design provides up to a 25:1 turn-down ratio, positive shut-off and hand wheel locking screw to secure adjustment.

The iDROSET CSD series is available with F-NPT connections from ½" up to 2" with flow rate capability up to 44 GPM.

iDROSET CSD

Features

- Patented integrated flow measurement technology factory calibrated to +/- 10% accuracy
- Large gauge for easy reading of flow
- Lockable, gauge-integrated hand wheel for setting flow
- Ball valve design with positive shutoff
- Balancing turn-down ratio of up to 25:1
- Up to 7 GPM capacity
- Factory tested to +/-10% accuracy

Applications

- Fan coil units
- Water source heat pumps
- Reheat coils
- Panel coils
- Small branch lines
- Unit heaters
- Unit ventilators
- Finned radiation
- Convectors
- Small pumps

Specifications

A calibrated flow measurement and static balancing valve shall be installed on each hot/chilled water unit or as otherwise shown on plans. The valve shall include integral flow measuring capability factory calibrated to an accuracy standard of +/- 10%, flow indicator gauge with design flow indicator, lockable hand wheel for flow adjustment and positive shut-off capability. The valve shall be a Watts Series iDROSET CSD

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

WATTS®

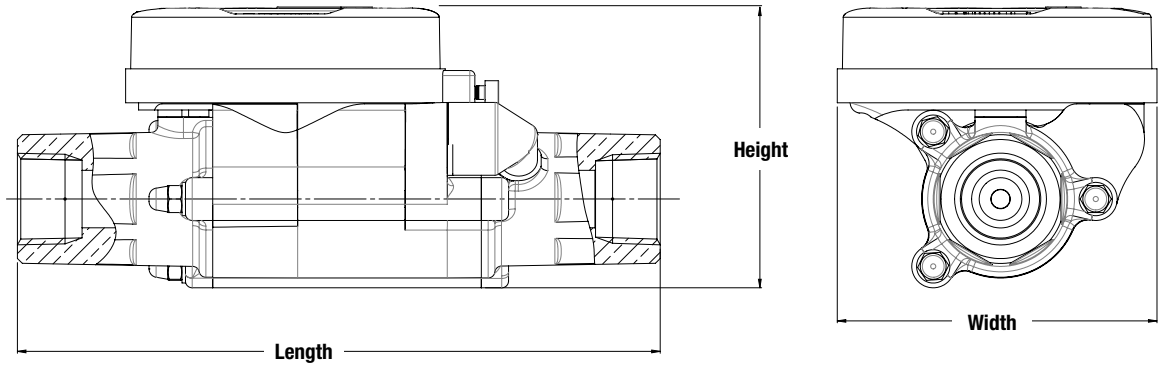
Materials

Central Body	Polyamide with glass fiber
Upper and bottom cap	Brass
Hand wheel	Polyamide with glass fiber
Spring	Stainless Steel
O-Ring	EPDM 70 peroxide

Pressure – Temperature

PATTERN	SIZE	WORKING TEMPERATURE		MAX. WORKING PRESSURE	
		°F	°C	psi	bar
Thread	½" - 2"	230	110	230	16

Dimensions



MODEL	ORDERING CODE	SIZE (F-NPT)	CV	FLOW RANGE (GPM)	DIMENSIONS			WEIGHT (LBS.)
					LENGTH	HEIGHT	WIDTH	
CSD-050	0856700	½"	1.9	0.25 - 3.0	7.2”	3.7”	3.3”	2.6
CSD-075	0856701	¾"	1.9	0.25 - 3.0	7.4”	3.7”	3.3”	2.5
CSD-100	0856702	1"	5.1	0.25 - 7.0	7.5”	3.7”	3.3”	2.4
CSD-125	0856703	1¼"	16.2	1.1 - 26.4	9.5”	5.2”	3.3”	6.2
CSD-150	0856704	1½"	16.2	1.1 - 26.4	9.6”	5.2”	3.3”	6.1
CSD-200	0856705	2"	29.0	1.7 - 44.0	9.7”	7.3”	4.5”	11.9

USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
Canada: T: (888) 208-8927 • F: (905) 481-2316 • Watts.ca
Latin America: T: (52) 55-4122-0138 • Watts.com