

QuickSetter™ Balancing valve with flow meter



132 Series With Flanged Connections, 2½" - 3" - 4"

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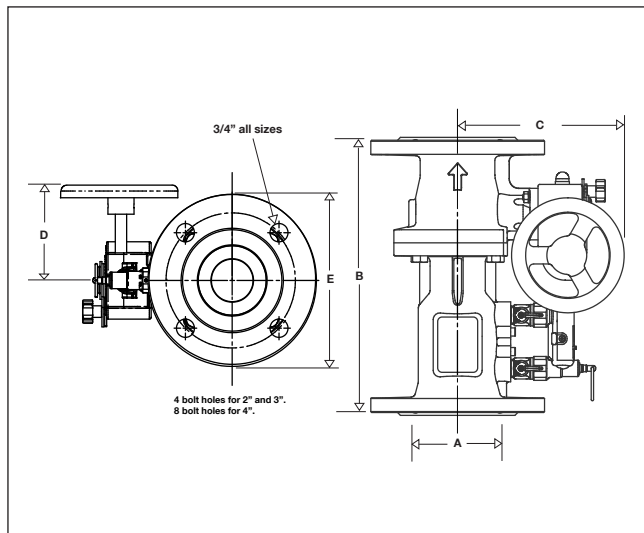
Application

The 132 series balancing valve accurately sets the flow rate of heating and cooling transfer fluid supplied to air handlers, fan coils and terminal units or where flow balancing is required in solar thermal systems. Proper hydronic system balancing ensures that the system operates according to design specifications, providing satisfactory thermal comfort with low energy consumption. The flow meter is housed in a bypass circuit on the valve body and can be shut off during normal operation. The flow meter permits fast and easy circuit balancing without added differential pressure gauges and reference charts.

Typical Specification

Furnish and install on the plans and describing herein, a Caleffi balancing valve with flow meter, as manufactured by Caleffi. Each balancing valve must be designed with a cast iron body, brass ball, chrome-plated brass ball control stem, brass flow meter body and headwork, and chrome-plated brass bypass shutoff control stem; EPDM seals, R-PTFE ball seat, and PTFE control stem guide. The balancing valve must include ANSI B16.1 125 CLASS RF flange connections for 2-1/2", 3, and 4" sizes. Each valve has 150 psi (10 bar) maximum working pressure and 14 - 230°F (-10 - 110°C) working temperature range, with ± 10% measurement accuracy. Each valve shall be Caleffi model 132 or approved equal. (See product instructions for specific installation information.)

Dimensions



Code	A	B	C	D	E	Bolt circle dia	Flow scale (gpm)	Wt. (lbs.)	Wt. (kg)
132060A	2½"	11⅞"	6⅜"	3⅞"	7"	5½"	30-105	32	15
132080A	3"	12⅞"	7⅞"	3⅞"	7½"	6"	38-148	40	18
132100A	4"	13⅝"	7⅞"	3⅞"	9"	7½"	55-210	57	26

Technical specifications

Materials

Valve

Body:	cast iron
Ball:	brass
Ball control stem:	brass, chrome plated
Ball seal seat:	R-PTFE
Control stem guide:	PTFE
Seal:	EPDM

Flow meter

Body and headwork:	brass
Bypass shutoff control stem:	brass, chrome plated
Springs:	stainless steel
Seal:	EPDM
Flow meter float and indicator cover:	PSU

Performance

Suitable Fluids:	water, glycol solutions
Max. percentage of glycol:	50%
Max. working pressure:	150 psi (10 bar)
Working temperature range:	14 - 230°F (-10 - 110°C)
Flow rate range unit of measurement:	gpm

Flow rate scales:

size 2½" -	30 - 105 gpm
size 3" -	38 - 148 gpm
size 4" -	55 - 210 gpm

Accuracy:	±10%
Control stem angle of rotation:	90°
Adjustment handwheel diameter:	5½"

Flanged connections: 2½", 3", 4" ANSI B16.1 125 CLASS RF

Flow rate correction factor:	20% - 30% glycol solutions:	0.9
	40% - 50% glycol solutions:	0.8

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name	_____	Size	_____
Job location	_____	Quantity	_____
Engineer	_____	Approval	_____
Mechanical contractor	_____	Service	_____
Contractor's P.O. No.	_____	Tag No.	_____
Representative	_____	Notes	_____