



1087 Bronze Double Regulating Balancing Valve (Screwed) With Nozzle, PN 16

Salient Features

- Design Standard BS 7350.
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Precise double regulation.
- Tamper proof setting with a lock shield.
- Swift operation with un-breakable Nylon Handwheel.
- Turn Indicator on the Handwheel to help in Line balancing.
- PTFE sealing disc to ensure a proper shut off.
- Provided with Inlet / Outlet pressure test cocks.
- Facilitates system design, hence saves energy.
- Easy to install and set.
- Accentuates systematic commissioning of the plant for an optimal operation.

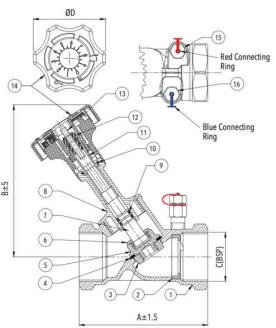
Test Pressure (Hydrostatic) – Shell : 24 bar (350 psig) Maximum Operating Pressure (Hydrostatic) : 16 bar (230 psig) Working Temperature : -10°C to 85°C

Suitable For Water

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Body	Bronze	IS 318 Gr. LTB2	1
2	Retaining Ring	Brass	IS 319 Gr. 2	1
3	Disc Guide	Brass	IS 319 Gr. 2	1
4	Disc Facing	PTFE / Brass	- / IS 319 Gr. 2	1
5	Disc	Brass	IS 319 Gr. 2	1
6	Disc Nut	Brass	IS 319 Gr. 2	1
7	Stem	Brass	IS 319 Gr. 2	1
8	Bonnet	Brass / Bronze	IS 319 Gr. 2 / IS 318 Gr. LTB2	1
9	O-Ring	EPDM		2
10	Circlip	Stainless Steel	Туре 304	1
11	Connecting Rod	Brass	IS 319 Gr. 2	1
12	Connecting Screw	Stainless Steel	Type 304	1
13	Internal Hex. Screw	Stainless Steel	Туре 304	1
14	Handwheel Assy.	Nylon		1
15	Exhaust Nozzle	Brass	IS 319 Gr. 2	1
16	Exhaust Nozzle	Brass	IS 319 Gr. 2	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	B ±5	С	ØD
1/2	15	87	108	1/2″	70
3/4	20	96	110	3/4″	70
1	25	100	133	1″	70
1.1/4	32	114	133	1.1/4″	70
1.1/2	40	125	147	1.1/2″	70
2	50	146	149	2″	70

Notes : For sizes 15mm & 20mm, the disc facing shall be of Brass. For sizes 40mm & 50mm, the bonnet shall be of Bronze.

Flow Characteristics Of Balancing Valve





1087A Cast Iron Double Regulating Balancing Valve (Flanged) With Nozzle

Salient Features

- Design Standard BS 7350.
- Precise double regulation.
- Tamper proof setting.
- Handwheel Operated.
- Low noise flow.
- Can be made available with or without drain cocks.
- Flanged ends to BS 4504 Section 3.2 PN 16.
- EPDM Rubber sealing for a soft shut off.

Test Pressure (Hydrostatic) :

Shell : 24 kg/cm²g (340 psig) Maximum Operating Pressure (Hydrostatic) : 16 Bar at an ambient temperature upto 45°C Maximum Working Temperature : 110°C

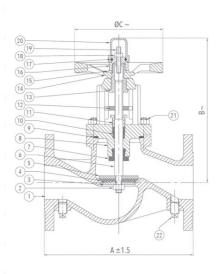
Suitable For

Water

Materials

Name of Part	Material of Construction	Specification	Qty.
Body	Cast Iron	IS 210 Gr. FG 200	1
Nut	Carbon Steel		1
Washer	Carbon Steel		1
Disc Facing	EPDM Rubber	IS 5192 - 1	1
Disc Holder	Carbon Steel		1
Stem	Stainless Steel	ASTM A 276 Type 410.	1
Stem Seal	EPDM Rubber	IS 5192 - 1	1
Bonnet	Cast Iron	IS 210 Gr. FG 200	1
Gasket	Steam Jointing Sheet	IS 2712 Gr. W/3	1
Gland Packing	PTFE		-
Gland	Stainless Steel	ASTM A 276 Type 410.	1
Indicator	Carbon Steel		1
Sleeve	S.G Iron	IS 1865 Gr. 400 / 15	1
Handwheel	Cast Iron	IS 210 Gr. FG 200	1
Washer	Carbon Steel		1
Sleeve Nut	Stainless Steel	ASTM A 276 Type 410.	1
'O' Ring	Nitrile Rubber		1
Nut	Carbon Steel		1
Adjusting Stud	Carbon Steel		1
End Cap	Cast Iron	IS 210 Gr. FG 200	1
Studs & Nuts	Carbon Steel		4 Each
Plug	Bronze	IS 318 Gr. LTB2	2
	Body Nut Nut Disc Facing Disc Holder Stem Seal Stem Seal Bonnet Gand Packing Gland Packing Gland Packing Gland Packing Sleeve Nut Sleeve Nut Sleeve Nut Sleeve Nut Sleeve Nut Adjusting Stud End Cap	BodyCast IronNutCarbon SteelWasherCarbon SteelDisc FacingEPDM RubberDisc HolderCarbon SteelStemStainless SteelStem SealEPDM RubberBonnetCast IronGasketSteam Jointing SheetGland PackingPTFEGlandStainless SteelIndicatorCarbon SteelSleeveS.G IronHandwheelCast IronVasherStainless SteelSleeve NutStainless SteelSleeve NutStainless SteelAdjusting StudCarbon SteelAdjusting StudCarbon SteelEnd CapCast IronStuds & NutsCarbon Steel	BodyCast IronIS 210 Gr. FG 200NutCarbon SteelWasherCarbon SteelDisc FacingEPDM RubberIS 5192 - 1Disc HolderCarbon SteelStemStainless SteelASTM A 276 Type 410.Stem SealEPDM RubberIS 5192 - 1BonnetCast IronIS 210 Gr. FG 200GasketSteam Jointing SheetIS 2712 Gr. W/3Gland PackingPTFEGlandStainless SteelASTM A 276 Type 410.IndicatorCarbon SteelSleeveS.G IronIS 1865 Gr. 400 / 15HandwheelCast IronIS 210 Gr. FG 200WasherCarbon SteelSleeve NutStainless SteelASTM A 276 Type 410.'O' RingNitrile RubberNutCarbon SteelAdjusting StudCarbon SteelAdjusting StudCarbon SteelEnd CapCast IronIS 210 Gr. FG 200Stain Stain SteelSleeve NutStain Stain SteelSleeve NutStain SteelSleeve NutStain SteelSleeve NutStain SteelSleeve NutCarbon SteelKutCarbon SteelKutCarbon SteelSluds & NutsCarbon Steel





Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	В ~	ØC ~
2 1/2	65	290	286	170
3	80	304	294	170
4	100	350	356	200
5	125	400	380	225
6	150	480	475	256
8	200	600	625	300
10	250	730	660	400
12	300	850	720	400



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