



BLAZE

Fixed Orifice Double Regulating Valve

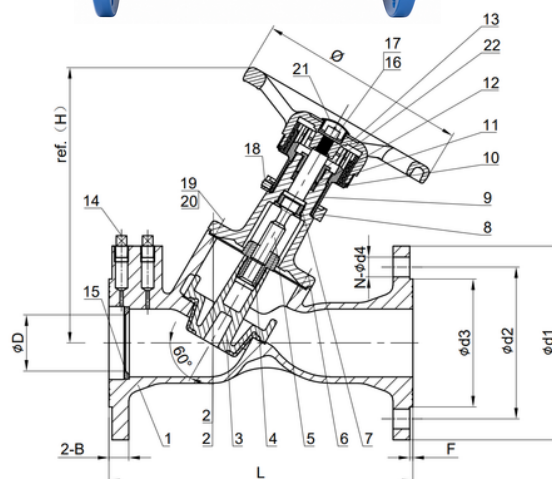
Model : BT 1420

Description:

The BT 1420 Fixed Orifice Double Regulating Valve (FODRV) is designed for precise flow balancing, regulation and isolation in potable water, HVAC and mechanical systems. Featuring an integrated fixed orifice plate for accurate flow measurement, double regulating capability and built-in test points, it enables reliable commissioning and differential pressure verification. Manufactured with a ductile iron body and Fusion Bonded Epoxy (FBE) coating in RAL 5015, the valve provides excellent corrosion protection and long service life. With PN16 flanged ends and a lockable handwheel with position indicator, it is suitable for both supply and return applications.

Specifications :

Size	2 ½" to 12" (DN65 to DN300) - WRAS Approved 14" to 24" (DN350 to DN600) - Standard Design
Working Pressure	233 psi (16 Bar)
Design Standard	BS EN 12334
Approvals	WRAS Approved
End Connection	PN16 Flanged (BS EN 1092-2)
Coating	Fusion Bonded Epoxy (FBE), RAL 5015 (Blue)



Applications :

- Potable Water Distribution and Balancing
- HVAC Chilled and Hot Water Circuits
- Mechanical Service Systems
- Pump Circuit and Equipment Flow Control
- Industrial Process Water Regulation

Dimensions:

Order Code	DN	Inch	H (mm)	L (mm)	B (mm)	Ø (mm)	Ød1 (mm)	Ød2 (mm)	Ød3 (mm)	N-Ød4	F (mm)	ØD (mm)	Kvs
BT-1420-065-RF	65	2 ½"	263	290	19	200	185	145	118	4-Ø19	3	53.7±0.3	105
BT-1420-080-RF	80	3"	268	310	19	200	200	160	132	8-Ø19	3	62.3±0.3	120
BT-1420-100-RF	100	4"	300	350	19	240	220	180	156	8-Ø19	3	84.8±0.3	154
BT-1420-125-RF	125	5"	328	400	19	290	250	210	184	8-Ø19	3	105±0.3	260
BT-1420-150-RF	150	6"	340	480	19	290	285	240	211	8-Ø23	3	122.9±0.4	399
BT-1420-200-RF	200	8"	525	600	20	350	340	295	266	12-Ø23	3	162.5±0.4	801
BT-1420-250-RF	250	10"	572	730	22	420	405	355	319	12-Ø28	3	200±0.4	1153
BT-1420-300-RF	300	12"	686	850	24.5	420	460	410	370	12-Ø28	4	243±0.4	1743
BT-1420-350-RF	350	14"	681	980	26.5	420	520	470	429	16-Ø28	4	249±0.4	-
BT-1420-400-RF	400	16"	965	1100	28	640	580	525	480	16-Ø31	4	284.3±0.5	-
BT-1420-450-RF	450	18"	972	1200	30	640	640	585	548	20-Ø31	4	321±0.5	-
BT-1420-500-RF	500	20"	1065	1250	31.5	640	715	650	609	20-Ø34	4	357.3±0.5	-
BT-1420-600-RF	600	24"	1180	1450	36	640	840	770	720	20-Ø37	5	418.5±0.5	-

Note: All dimensions are for informational purposes only. Final details should be verified with the approved technical drawings. Dimensional details for valves above 12" size are available upon request.

BLAZETECH SYSTEMS LTD.



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Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

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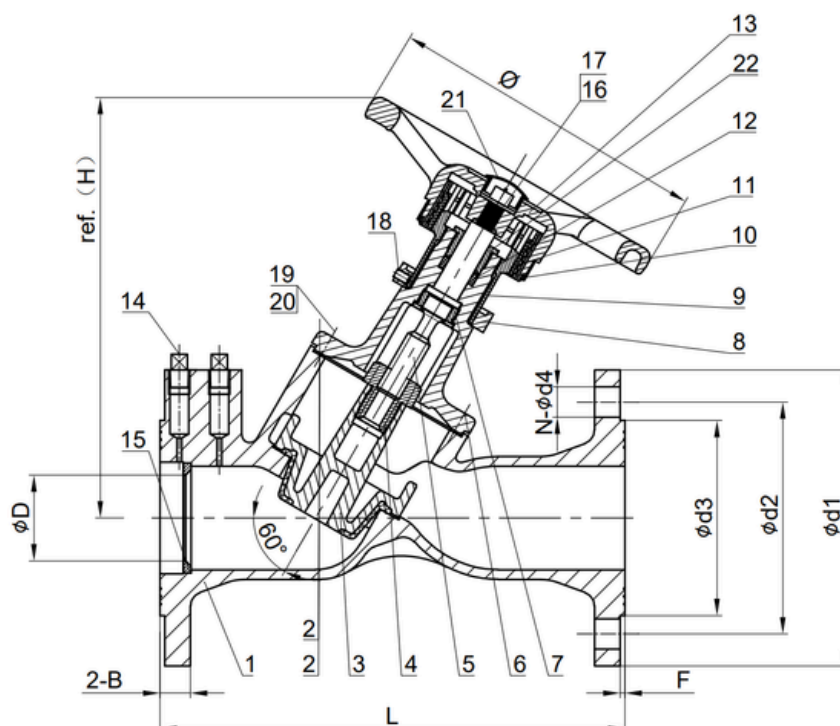
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Material Specification :

No.	Part Name	Material
1	Body	DI/EN-JS 1040/65-45-12
2	Seal Gasket	EPDM
3	Disc	DI/EN-JS 1040/65-45-12+EPDM
4	Stem Nut	EN 12165 CW617N
5	Stem	(DN65-DN300)BS970 410S21 (DN350-DN500)BS970 431S29 (DN600) SS630
6	Cover	DI/EN-JS 1040/65-45-12
7	Stem Lock Bushing	EN 12165 CW617N
8	Limit Set of Indicator	EN 12165 CW617N+galvanization
9	Orinted Set of Indicator	EN 12165 CW617N
10	Directed Circle	ABS
11	Indicator	ABS

No.	Part Name	Material
12	Packing	PTFE+EPDM
13	Hand Wheel	DI/EN-JS 1040/65-45-12
14	Plug	Steel
15	Orifice Inset	BS970 304S15
16	Bolt	BS970 304S15
17	Big Gasket	BS970 304S15
18	Hexagon Socket Screws	BS970 304S15
19	Bolt	BS970 304S15
20	Spring Gasket	BS970 304S15
21	Indicator Dust Cover	ABS
22	Packing Gland	(DN65-DN150)EN 12165 CW617N (DN200-DN600)DI/EN-JS 1040/65-45-12

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