BALLOMAX®

DESIGNED TO LAST

SECTION 14
Branching valves
Reduced bore

Branching valve - DN15-50, PN40

Type 63101 - Reduced bore

Female × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

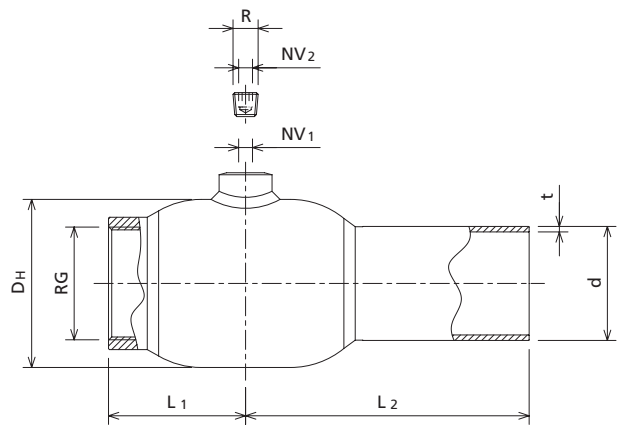
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

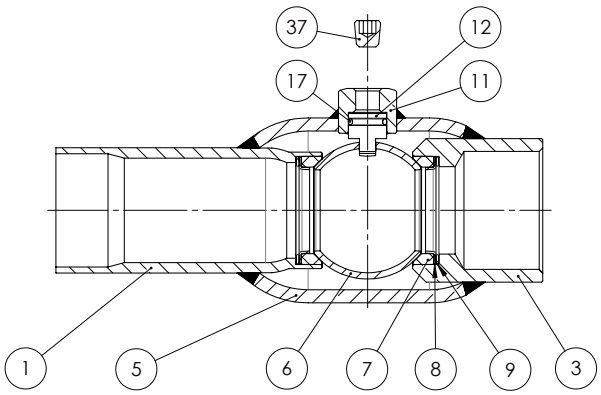
Dimensions



					All dimensions in mm								
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	RG	DH	L1	L2	d	t
20	63101020 000	15	15	0.4	5	5	1/8	¾"	42	38	115	26.9	2.3
25	63101025 000	20	27	1.1	5	5	1/8	1"	51	65	115	33.7	2.6
32	63101032 000	25	40	1.5	5	5	1/8	1¼"	57	65	130	42.4	2.6
40	63101040 000	32	69	2.2	7	7	1/4	1½"	76	75	130	48.3	2.6
50	63101050 000	40	110	3.2	7	7	1/4	2"	89	84	150	60.3	2.9

Branching valve - DN15-50, PN40

Type 63101 - Reduced bore

Technical drawing


Material description		
1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
3	Female	Steel - S355J2+N / 1.0570 / EN 10025-2
5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
7	Seat ring	PTFE 20% Carbon
8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
17	O-ring	Rubber - FPM70
37	Pipe plug	Steel - 11SMnPb30 / 1.0718 / EN 10277-3

Branching valve - DN15-50, PN40

Type 63102 - Reduced bore

Welding × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

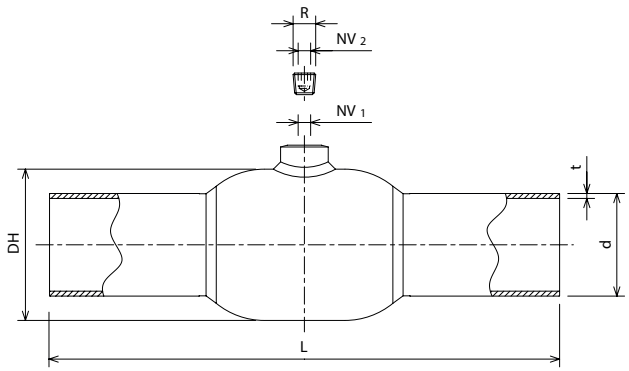
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

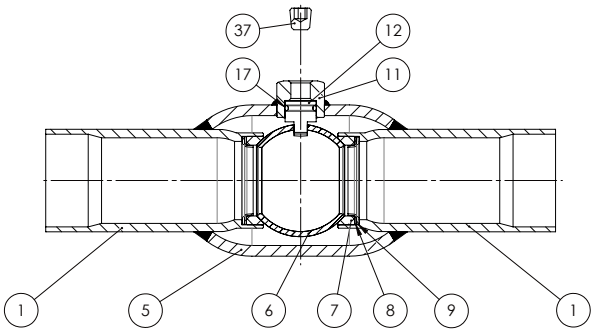
Dimensions



					All dimensions in mm						
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	d	t
15	63102015 000	10	8	0.5	5	5	1/8	38	210	21.3	2.0
20	63102020 000	15	15	0.55	5	5	1/8	42	230	26.9	2.3
25	63102025 000	20	27	1.1	5	5	1/8	51	230	33.7	2.6
32	63102032 000	25	40	1.6	5	5	1/8	57	260	42.4	2.6
40	63102040 000	32	69	2.4	7	7	1/4	76	260	48.3	2.6
50	63102050 000	40	110	3.5	7	7	1/4	89	300	60.3	2.9

Branching valve - DN15-50, PN40

Type 63102 - Reduced bore

Technical drawing


		Material description
1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
7	Seat ring	PTFE 20% Carbon
8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
17	O-ring	Rubber - FPM70
37	Pipe plug	Steel - 11SMnPb30 / 1.0718 / EN 10277-3

Branching valve - DN40-50, PN40

Type 63902 - Reduced bore - FLOWOPTIMIZED

Welding × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

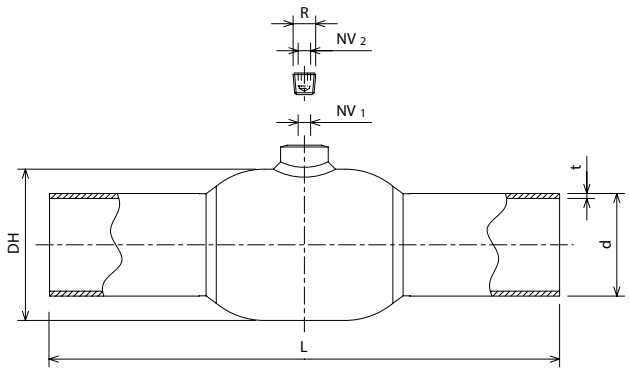
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

Dimensions



					All dimensions in mm						
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	d	t
40	63902040 000	32	78	2,5	7	7	¼	76	260	48,3	2,6
50	63902050 000	40	124	3,7	7	7	¼	89	300	60,3	2,9

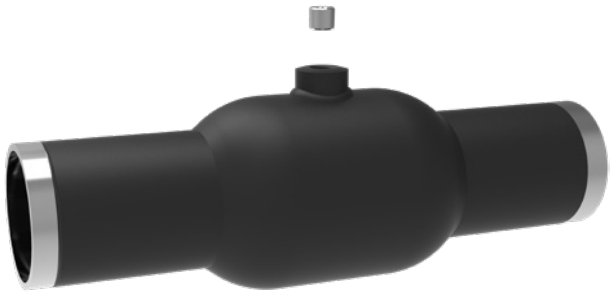
Branching valve - DN40-50, PN40

Type 63902 - Reduced bore - FLOWOPTIMIZED

Technical drawing			Material description
	1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
	5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
	6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
	7	Seat ring	PTFE 20% Carbon
	8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
	9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
	11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
	12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
	17	O-ring	Rubber - FPM70
	37	Pipe plug	Steel - 11SMnPb30 / 1.0718 / EN 10277-3

Branching valve - DN65-100, PN25

Type 63102 - Reduced bore



Welding × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

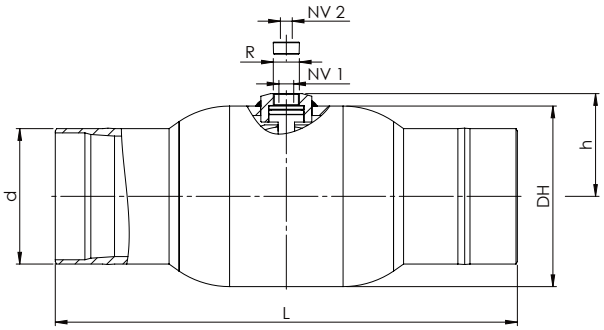
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

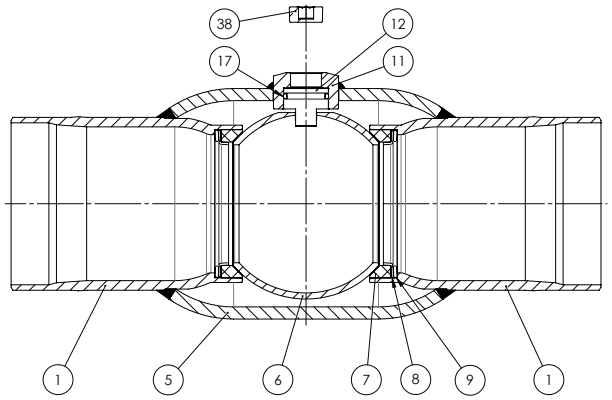
Dimensions



					All dimensions in mm						
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d
65	63102065 000	50	180	5.3	8	8	3/8	108.0	360	71.0	76.1
80	63102080 000	65	288	7.3	8	8	3/8	127.0	370	80.5	88.9
100	63102100 000	80	470	11.1	12	10	M 22×1.5	152.4	390	87.0	114.3

Branching valve - DN65-100, PN25

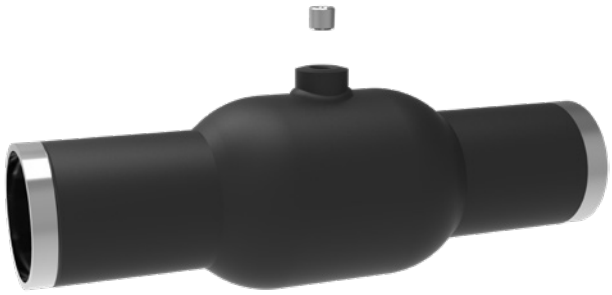
Type 63102 - Reduced bore

Technical drawing


		Material description
1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
7	Seat ring	PTFE 20% Carbon
8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
17	O-ring	Rubber - FPM70
38	Pipe plug	Steel

Branching valve - DN65-100, PN25

Type 63902 - Reduced bore - FLOWOPTIMIZED



Welding × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

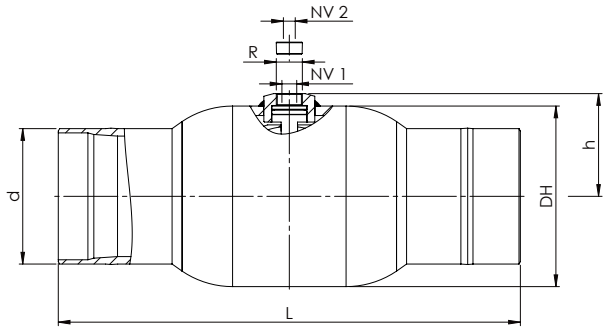
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

Dimensions



					All dimensions in mm						
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d
65	63902065 000	50	202	6.0	8	8	⅜"	108	360	71.0	76.1
80	63902080 000	65	311	7.5	8	8	⅜"	127	370	80.5	88.9
100	63902100 000	80	523	11.5	12	12	M 22×1.5	152	390	87.0	114.3

Branching valve - DN65-100, PN25

Type 63902 - Reduced bore - FLOWOPTIMIZED

Technical drawing	Material description		
	1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
	5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
	6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
	7	Seat ring	PTFE 20% Carbon
	8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
	9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
	11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
	12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
	17	O-ring	Rubber - FPM70
	38	Pipe plug	Steel

Branching valve - DN125-200, PN25

Type 63102 - Reduced bore

Welding × Welding
Fully welded steel ball valve.

Materials
See next page.

Applications
Branching valve for heating systems, district heating, cooling and industrial purpose.

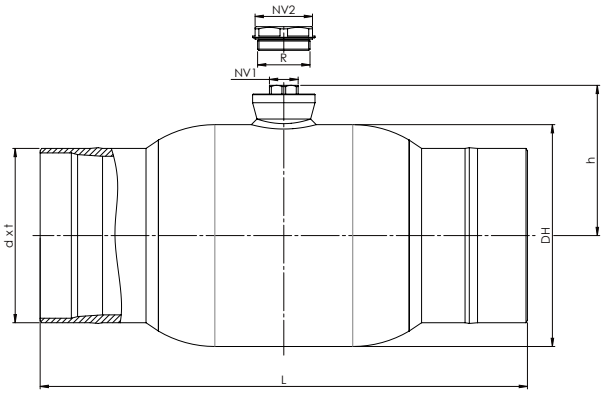
Media
Water. Not suitable for steam. Other media on request. If in doubt, please contact BROEN Ballomax® Sales Department.

Surface treatment
Eco-friendly protection finish against corrosion.

Operation
Branching valve with a cap screw and a hexagon recess for inserting an Allen key. The spindle has a notch for indication of position.

Notice
It is recommended that you read the "User manual for BROEN Ballomax® branching valves".

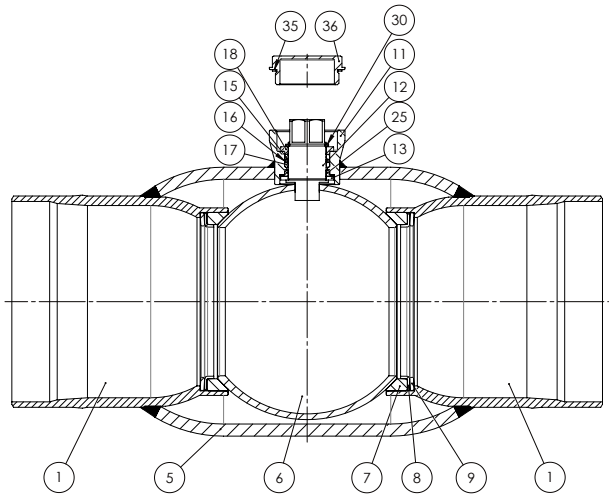
Dimensions



					All dimensions in mm						
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d
125	63102125 000	100	699	14.0	HEX 23	HEX 46	M 42×2	178.0	390	120.4	139.7
150	63102150 000	125	1046	19.9	HEX 27	HEX 50	M 48×2	219.0	390	142.5	168.3
200	63102200 000	150	1500	33.3	HEX 27	HEX 55	M 55×2	267.0	390	169.0	219.1

Branching valve - DN125-200, PN25

Type 63102 - Reduced bore

Technical drawing


Material description		
1	Welding	Steel - P235GH / 1.0345 / EN 10217-2
5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
7	Seat ring	PTFE 20% Carbon
8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
13	Stem washer	Stainless steel - AISI304 / 1.4301 / EN 10088-3
15	O-ring	Rubber - EPDM70
16	Back-up ring	PTFE 20% Carbon
17	O-ring	Rubber - FPM70
18	Intermediate ring	Stainless steel - AISI303 / 1.4305 / EN 10088-3
25	Friction gasket	PTFE 20% Carbon
30	Circlip	Steel
35	Branching washer	PTFE 20% Carbon
36	Branching plug	Steel - S355J2+N / 1.0570 / EN 10025-2