



Burak Type Monoblock Ball Valve

Your Solution Partner
1978 - ∞



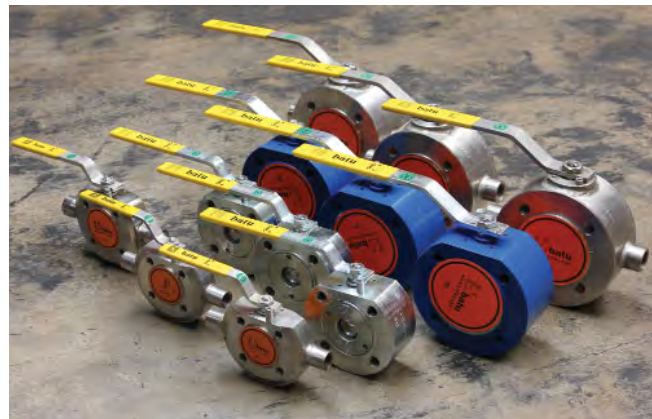
Batusan, with the trademark BatuValve started manufacturing Ball Valves in 1978. Since then, continues to serve the industry with dedication to quality, product innovation and commitment to customer service. We manufacture all our products %100 in our production facility in Turkey. We use European originated raw materials. Our trust in our products allows us to provide 2 year unlimited warranty.

Our main product line is Ball Valves. We also produce Check valves, Strainers and Flow Indicators. Being a leader manufacturer in Turkey for 43 years. Apart from the Turkish industry, we export our products with pride to Germany, Bulgaria, Serbia, Poland, Croatia, Bosnia-Herzegovina, Greece, Lebanon, Saudi Arabia, Russia, Iran, Egypt, Yemen, Afghanistan, Austria, TRNC, Ukraine, France, Algeria, Morocco, Tunisia, Gabon and so on. We also produce OEM products for some of the most known global brands from Italy, Germany, Austria, etc.

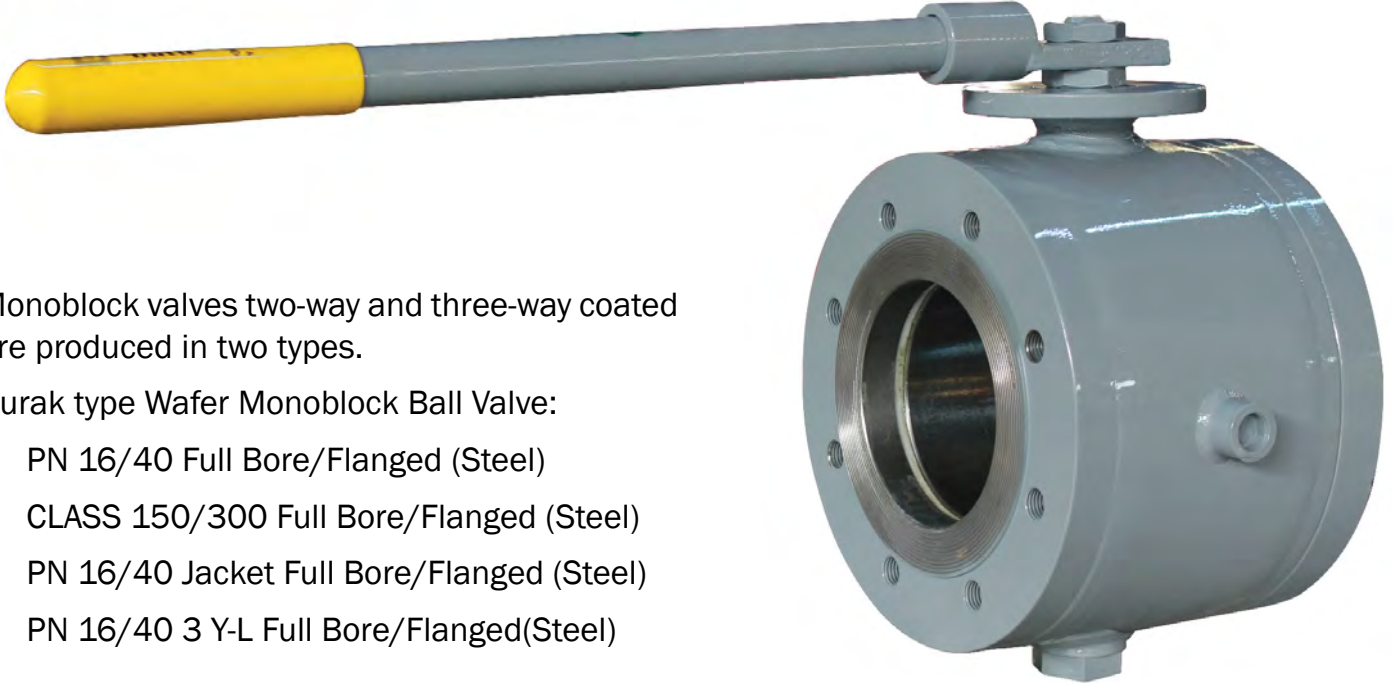
Our products have been installed throughout the world, handling a wide variety of applications in the Gas, Oil, Refining, Chemical, Food, Power Generation and Pipeline Transmission industries.

We have been emphasizing R&D department and always expanding our product line serving the needs of our customers. We have most of the Industrial valve manufacturing certificates, including;

ISO 9001: 2015, API 6D "0695", TSE, TS 9809, TSE EN 331, TSE 3148, TSE TS 16767, TSE TS 11494, TOV SOD CE 0036, TOV IT 18 ATEX 056 AR, TA LUFT, EN 14432, API 6FA FIRE SAFE, API 607, FIRE SAFE, ISO 10497 FIRE SAFE, EAC-1, EAC-2, ROS TEKHNADZOR, TH 02, HYGIENE, GAS, GAZMER, EGAS, BELARUS



Batu monoblock valve, easy to install, pressure has low loss, high sealing property, such as reasonable prices, light weight and doesn't cover much place provides great advantage with its properties.



Monoblock valves two-way and three-way coated are produced in two types.

Burak type Wafer Monoblock Ball Valve:

- PN 16/40 Full Bore/Flanged (Steel)
- CLASS 150/300 Full Bore/Flanged (Steel)
- PN 16/40 Jacket Full Bore/Flanged (Steel)
- PN 16/40 3 Y-L Full Bore/Flanged(Steel)

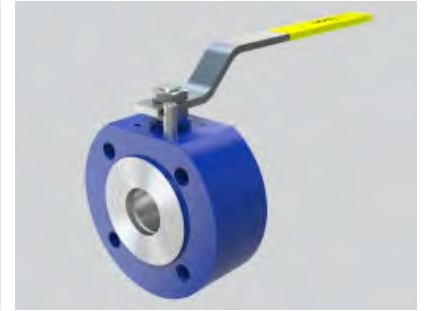


FEATURES	
DIMENSIONS	BATU SPECIAL
CONNECTIONS TYPES	RF / RTJ
WORKING PRESSURE	PN 16 - 40, CLASS 150(PN 20), CLASS 300(PN 50)
WORKING TEMPERATURE	-30 °C / +250 °C
OPERATION	LEVER / ACTUATOR

STANDARDS	
VALVES DESİNG	ASME B 16.34 / EN 12516-1 / PED 2014/68/EU
DIMENSIONS	EN 558-1 SERIE 100
CONNECTIONS	ASME B 16.5 / DIN EN 1092-1
FIRE-SAFE	API 6FA / API 607 / ISO 10497
TESTING	API 6D / API 598 / ISO 14313

BURAK TYPE MONOBLOCK BALL VALVE

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

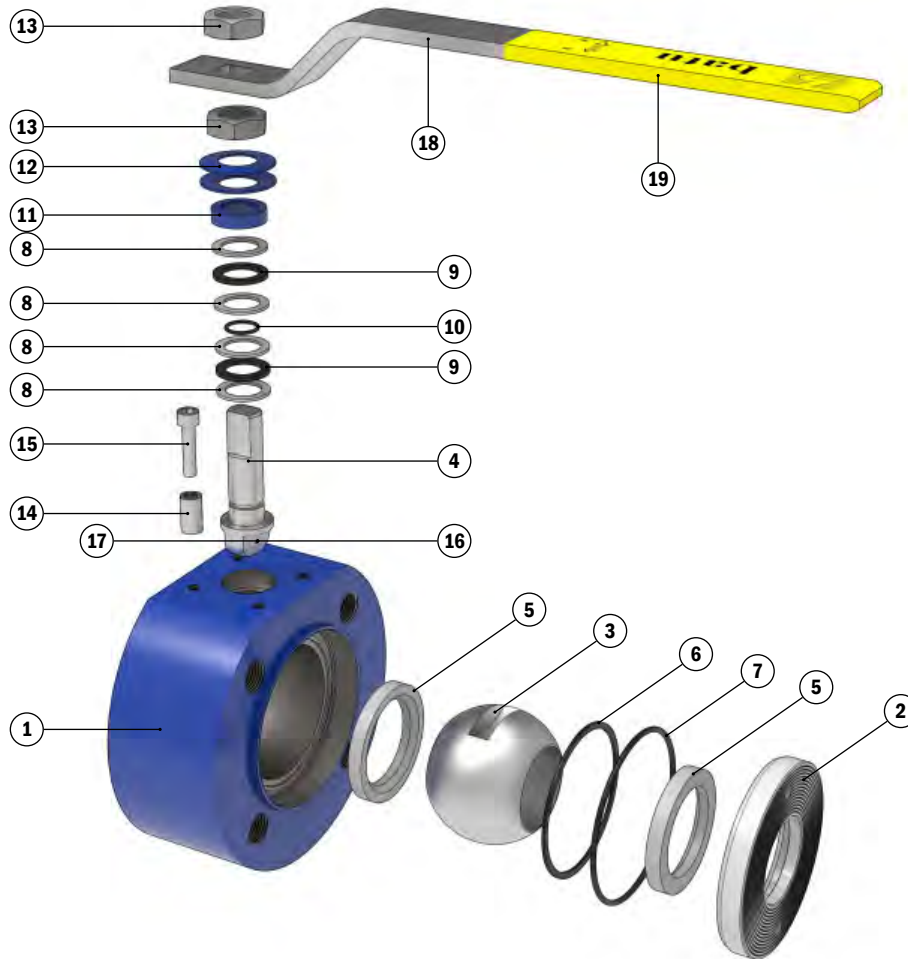


TİP: BBTKV-FS

DN 15 - DN 250

PN 16 / 40

FULL BORE / FIRE SAFE



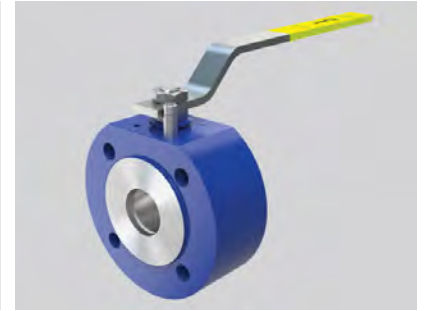
ITEM NO	ITEM DISCRIPTION	MATERIAL	
1	BODY	ASTM A 105	1.4301.-1.4401.
2	COVER	ASTM A 105	1.4301.-1.4401.
3	BALL	1.4301 / 1.4086	1.4301.- 1.4401.
4	ACTION SPINDLE	1,4021	1.4301.-1.4401.
5	BALL TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
6	BODY TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
7	BODY O-RING	VİTON	VİTON
8	NECK TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
9	BURGMAN GRAPHITE O-RING	EN 1514-1	EN 1514-1
10	SPINDLE O-RING	VİTON	VİTON

ITEM NO	ITEM DISCRIPTION	MATERIAL	
11	PRESSURE RING	MS 58	1.4301.-1.4401.
12	BOWL WASHER	50 Cr V 4	1.4301.
13	COUNTER NUT	5,6 Gal.	1.4301.
14	STOPPING PIM	ST 42 Gal.	1.4301.
15	BOLT	ST 42 Gal.	1.4301.-1.4401.
16	ANTISTATIC SPRING	1.4301.	1.4301.-1.4401.
17	ANTISTATIC BALL	1.4301.	1.4301.-1.4401.
18	BALL ACTION HANDLE	st 37	1.4301.
19	PLASTIC COVERING	PVC	PVC

* BATUSAN has rights to change for desing, construction and material of it's products with respect to standards.

BURAK TYPE MONOBLOCK BALL VALVE

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

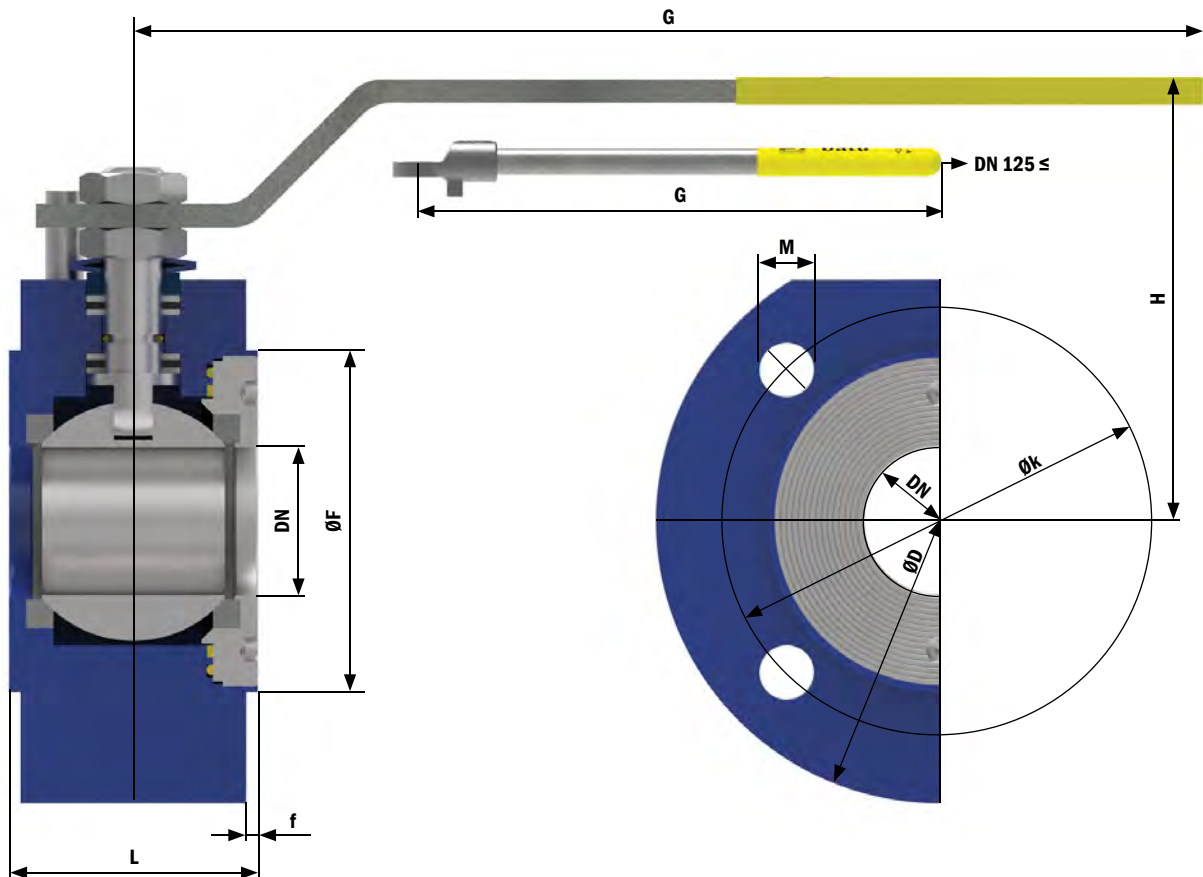


TİP: BBTKV-FS

DN 15 - DN 250

PN 16 / 40

FULL BORE / FIRE SAFE



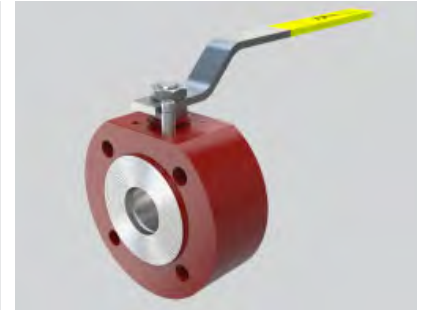
DIMENSIONS AND CONNECTION SIZES

DN	INC	L	G	H	f	D	PN 16				PN 40				Kg.
							k	H.Unit	M	F	k	H.Unit	M	F	
DN 15	1/2"	38	150	75	2	87	65	4	M 12	50	65	4	M 12	50	1,52
DN 20	3/4"	40	150	83	2	97	75	4	M 12	60	75	4	M 12	60	2
DN 25	1"	45	180	90	2	107	85	4	M 12	68	85	4	M 12	68	2,66
DN 32	1 1/4"	58	230	95	2	135	100	4	M 16	78	100	4	M 16	78	5,23
DN 40	1 1/2"	64	275	115	3	145	110	4	M 16	88	110	4	M 16	88	6,82
DN 50	2"	82	275	120	3	165	125	4	M 16	105	125	4	M 16	105	11,06
DN 65	2 1/2"	103	350	135	3	177	145	4	M 16	125	145	8	M 16	125	15,58
DN 80	3"	122	350	150	3	197	160	8	M 16	132	160	8	M 16	132	22,28
DN 100	4"	150	450	170	3	232	180	8	M 16	158	190	8	M 20	162	37,28
DN 125	5"	200	600	200	3	270	210	8	M 16	188	220	8	M 20	188	69
DN 150	6"	235	650	235	3	305	240	8	M 20	212	250	8	M 22	218	96
DN 200	8"	310	780	270	3	400	295	12	M 20	268	320	12	M 27	285	215
DN 250	10"	470	950	370	3	500	355	12	M 24	320	385	12	M 27	345	475

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BURAK TYPE MONOBLOCK BALL VALVE CLASS

DIMENSIONS	BATU SPECIAL
CONNECTIONS	ASME B 16.5
WORKING PRESSURE	CLASS 150 (PN 20) - CLASS 300 (PN 50)
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

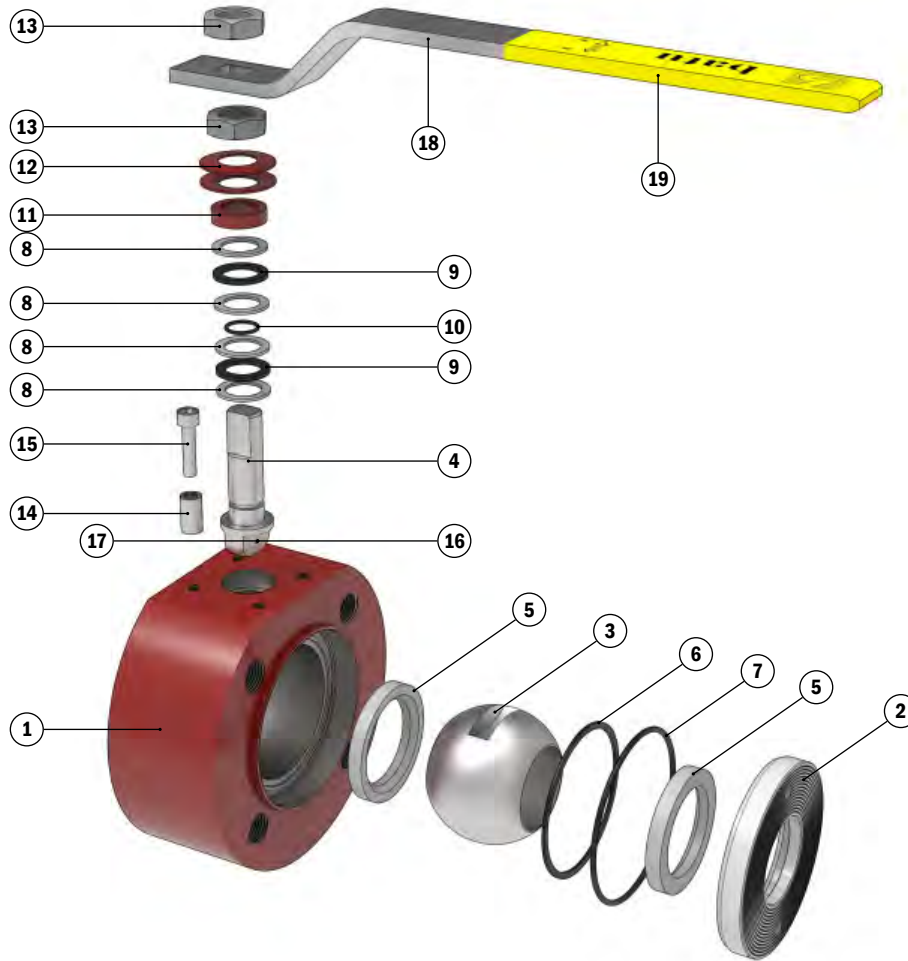


TİP: BBTKV-FS

DN 15 - DN 250

CLASS 150(PN 20) CLASS 300(PN 50)

FULL BORE / FIRE SAFE



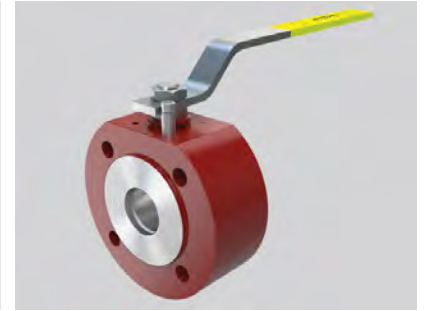
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2	COVER	ASTM A 105	1.4301.-1.4401.
3	BALL	1.4301 / 1.4086	1.4301.- 1.4401.
4	ACTION SPINDLE	1,4021	1.4301.-1.4401.
5	BALL TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
6	BODY TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
7	BODY O-RING	VİTON	VİTON
8	NECK TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
9	BURGMAN GRAPHITE O-RING	EN 1514-1	EN 1514-1
10	SPINDLE O-RING	VİTON	VİTON

ITEM NO	ITEM DISCRIPTION	MATERIAL	
11	PRESSURE RING	MS 58	1.4301.-1.4401.
12	BOWL WASHER	50 Cr V 4	1.4301.
13	COUNTER NUT	5,6 Gal.	1.4301.
14	STOPPING PIM	ST 42 Gal.	1.4301.
15	BOLT	ST 42 Gal.	1.4301.-1.4401.
16	ANTISTATIC SPRING	1.4301.	1.4301.-1.4401.
17	ANTISTATIC BALL	1.4301.	1.4301.-1.4401.
18	BALL ACTION HANDLE	st 37	1.4301.
19	PLASTIC COVERING	PVC	PVC

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BURAK TYPE MONOBLOCK BALL VALVE CLASS

DIMENSIONS	BATU SPECIAL
CONNECTIONS	ASME B 16.5
WORKING PRESSURE	CLASS 150 (PN 20) - CLASS 300 (PN 50)
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

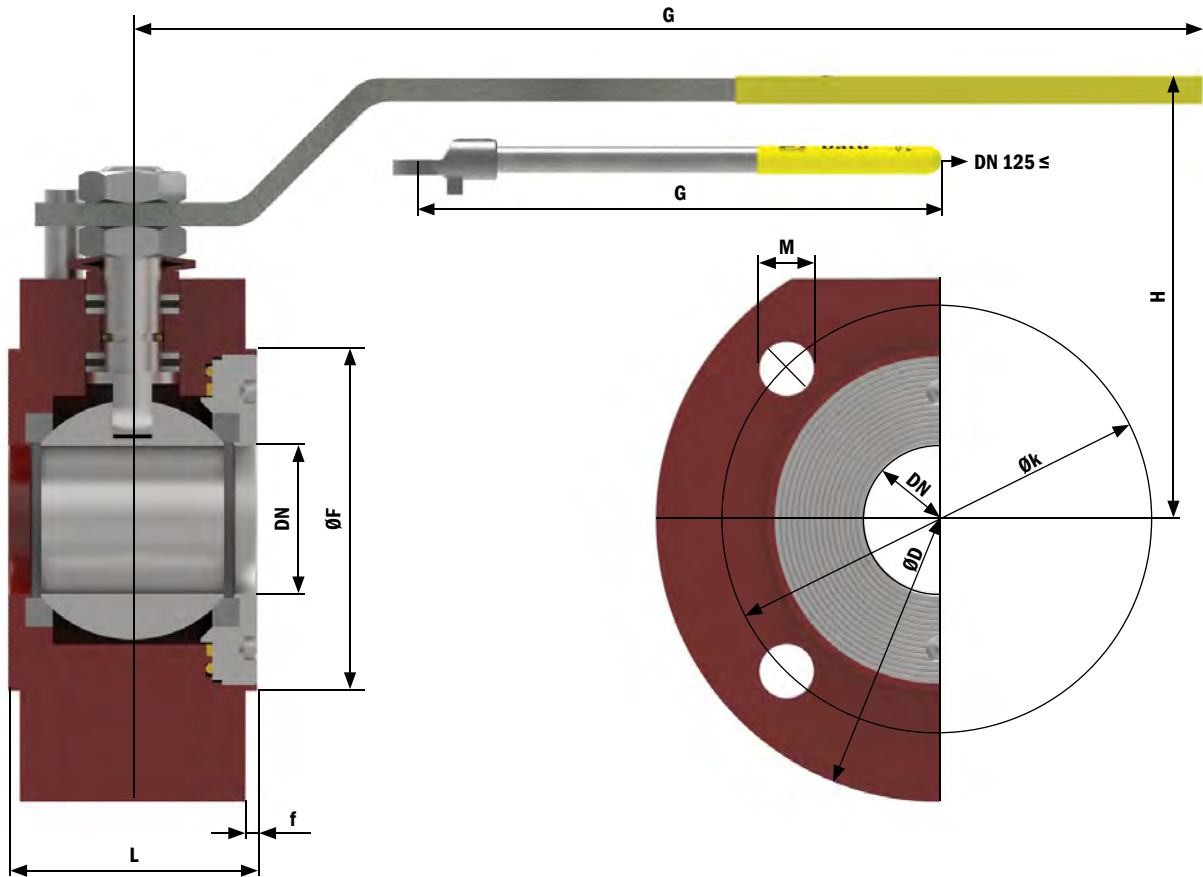


TİP: BBTKV-FS

DN 15 - DN 250

CLASS 150(PN 20) CLASS 300(PN 50)

FULL BORE / FIRE SAFE



DIMENSIONS AND CONNECTION SIZES

DN	INC	L	G	H	f	D	CLASS 150 (PN 20)				CLASS 300 (PN50)				Kg.
							k	H.Unit	M	F	k	H.Unit	M	F	
DN 15	1/2"	38	150	75	2	90	60,0	4	M 12	35,1	66,7	4	M 12	35,1	--
DN 20	3/4"	40	150	83	2	97	70,0	4	M 12	42,9	82,6	4	M 16	42,9	--
DN 25	1"	45	180	90	2	107	79,4	4	M 12	50,8	88,9	4	M 16	50,8	--
DN 32	1 1/4"	58	230	95	2	118	89,0	4	M 12	63,5	98,4	4	M 16	63,5	--
DN 40	1 1/2"	64	275	115	2	128	98,4	4	M 12	73,2	114,3	4	M 20	73,2	--
DN 50	2"	82	275	120	2	158	120,6	4	M 16	91,9	127,0	8	M 16	91,9	--
DN 65	2 1/2"	103	350	135	2	177	139,7	4	M 16	104,6	149,2	8	M 20	104,6	--
DN 80	3"	122	350	150	2	188	152,4	4	M 16	127,0	168,3	8	M 20	127,0	--
DN 100	4"	150	450	170	2	227	190,5	8	M 16	157,2	200,0	8	M 20	157,2	--
DN 125	5"	200	600	200	2	270	216,0	8	M 20	185,7	235,0	8	M 20	185,7	--
DN 150	6"	235	650	235	2	305	241,3	8	M 20	215,9	269,9	12	M 20	215,9	--
DN 200	8"	310	780	270	2	400	298,4	8	M 20	269,7	330,2	12	M 22	269,7	--

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BURAK TYPE MONOBLOCK BALL VALVE JACKET

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	+180 °C
USAGE AREAS	Asphalt, Food and Chemical Ind.

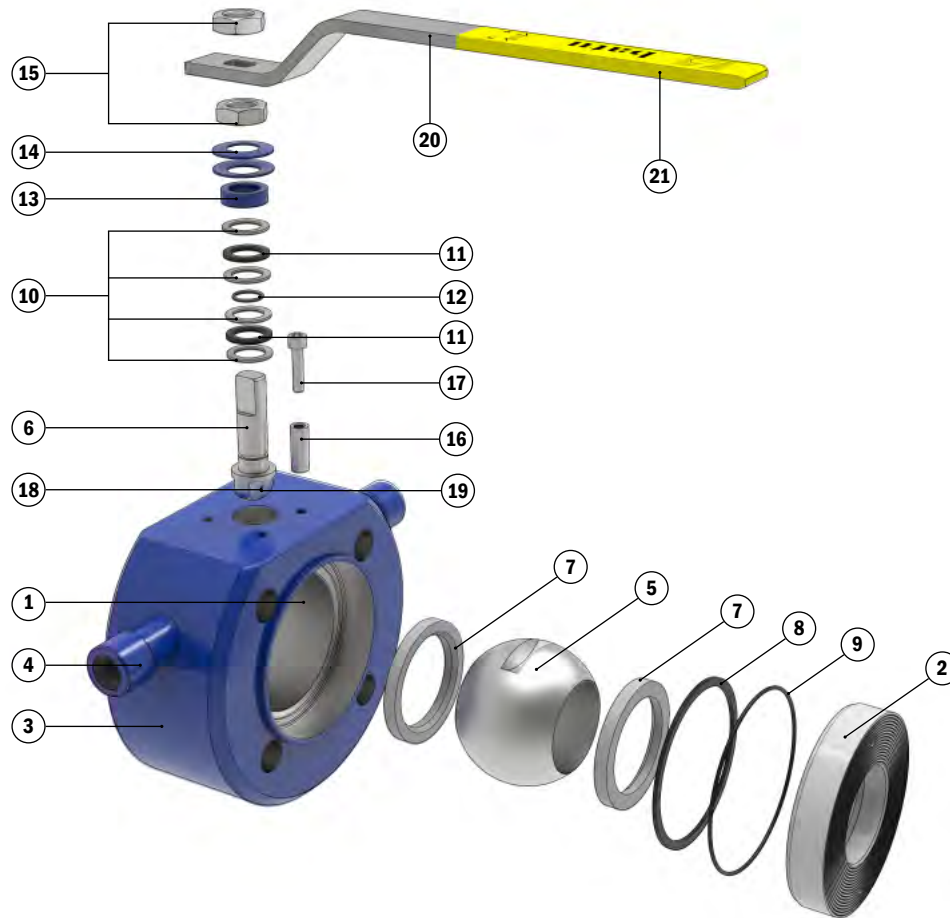


TİP: BBTKV-CK

DN 15 - DN 150

PN 16 / 40

FULL BORE / FIRE SAFE



ITEM NO	ITEM DISCRIPTION	MATERIAL	
1	BODY	ASTM A 105	1.4301.-1.4401.
2	COVER	ASTM A 105	1.4301.-1.4401.
3	JACKET	ST 37-2	1.4301.-1.4401.
4	MUFF	ST 37-2	1.4301.-1.4401.
5	BALL	1.4301/1.4086	1.4305.-1.4401.
6	ACTION SPINDLE	1.4021	1.4301.-1.4401.
7	BALL TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
8	BODY TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
9	BODY O-RING	VİTON	VİTON
10	NECK TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
11	BURGMAN GRAPHITE O-RING	EN 1514-1	EN 1514-1

ITEM NO	ITEM DISCRIPTION	MATERIAL	
12	SPINDLE O-RING	VİTON	VİTON
13	PRESSURE RING	MS 58	1.4301.-1.4401.
14	BOWL WASHER	50 Cr V 4	1.4301.
15	COUNTER NUT	5,6 Gal.	1.4301.
16	STOPPING PIM	ST 42 Gal.	1.4301.
17	BOLT	ST 42 Gal.	1.4301/1.4086
18	ANTISTATIC SPRING	1.4301.	1.4301/1.4086
19	ANTISTATIC BALL	1.4301.	1.4301/1.4086
20	BALL ACTION HANDLE	st 37	1.4301.
21	PLASTIC COVERING	PVC	PVC

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BURAK TYPE MONOBLOCK BALL VALVE JACKET

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	+180 °C
USAGE AREAS	Asphalt, Food and Chemical Ind.

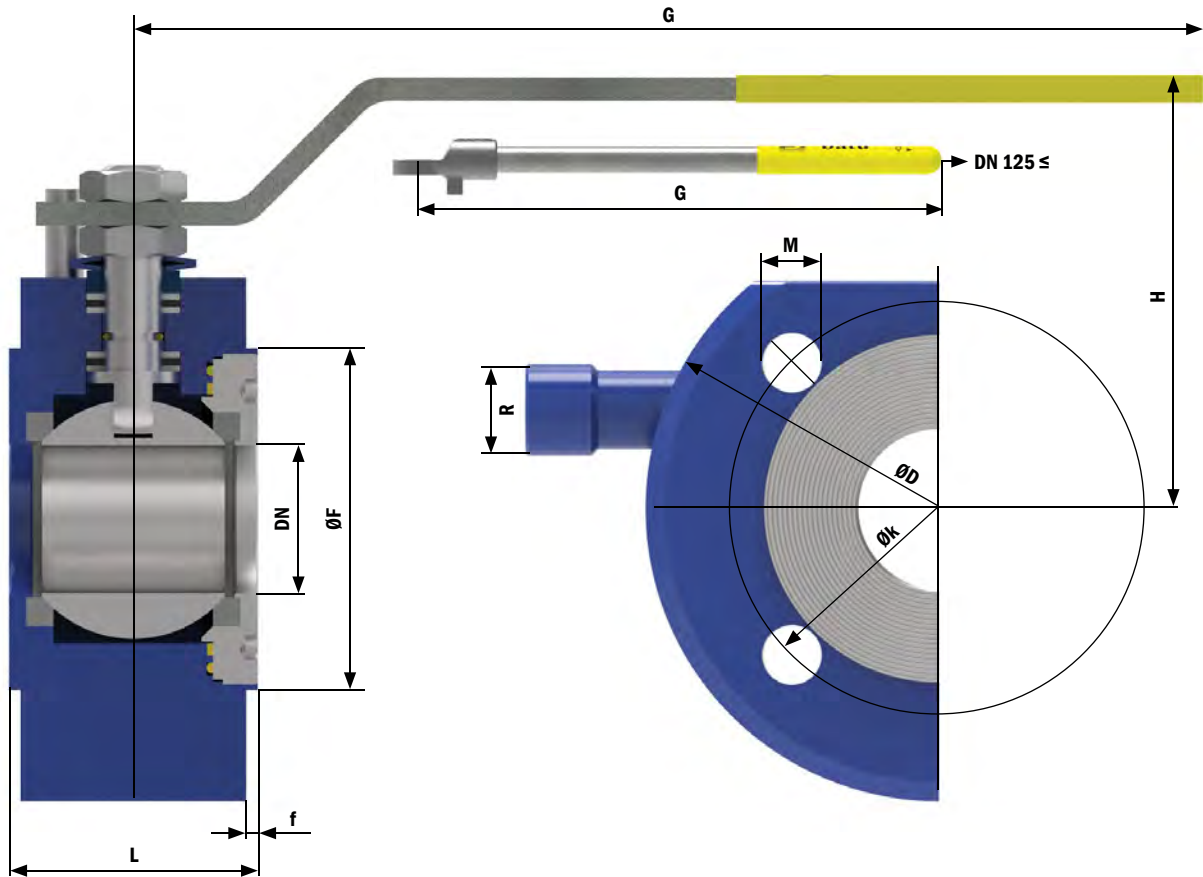


TİP: BBTKV-CK

DN 15 - DN 150

PN 16 / 40

FULL BORE / FIRE SAFE



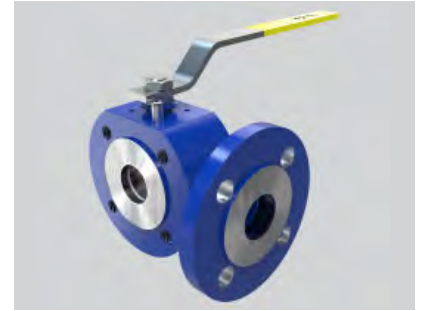
DIMENSIONS AND CONNECTION SIZES

DN	INC	L	G	H	f	R	D	PN 16				PN 40			
								k	H.Unit	M	F	k	H.Unit	M	F
DN 15	1/2"	38	150	75	2	1/2"	105	65	4	M 12	50	65	4	M 12	50
DN 20	3/4"	40	150	83	2	1/2"	115	75	4	M 12	60	75	4	M 12	60
DN 25	1"	45	180	90	2	1/2"	130	85	4	M 12	68	85	4	M 12	68
DN 32	1 1/4"	58	230	95	2	1/2"	157	100	4	M 16	78	100	4	M 16	78
DN 40	1 1/2"	64	275	115	3	3/4"	157	110	4	M 16	88	110	4	M 16	88
DN 50	2"	82	275	120	3	3/4"	177	125	4	M 16	105	125	4	M 16	105
DN 65	2 1/2"	103	350	135	3	3/4"	190	145	4	M 16	125	145	8	M 16	125
DN 80	3"	122	350	150	3	3/4"	210	160	8	M 16	132	160	8	M 16	132
DN 100	4"	150	450	170	3	1"	250	180	8	M 16	158	190	8	M 20	162
DN 125	5"	200	600	200	3	1"	270	210	8	M 16	188	220	8	M 20	188
DN 150	6"	235	650	235	3	1"	305	240	8	M 20	212	250	8	M 22	218

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BURAK TYPE MONOBLOCK BALL VALVE 3 WAYS

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

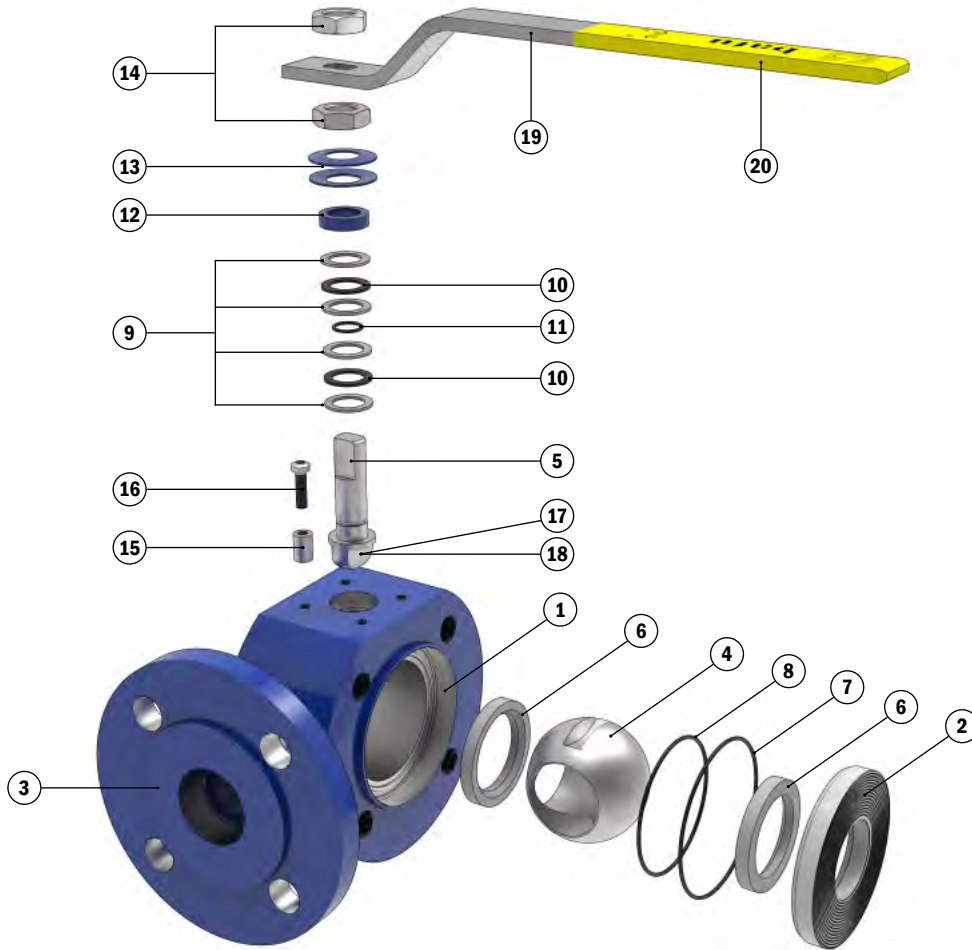


TİP: BBTKV-3Y

DN 15 - DN 100

PN 16 / 40

FULL BORE / FIRE SAFE



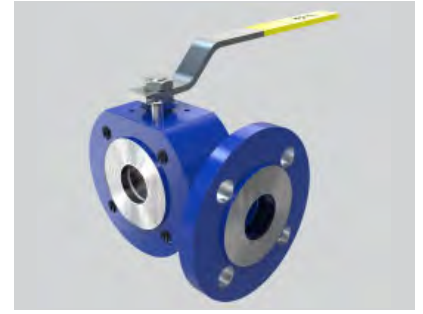
ITEM NO	ITEM DISCRIPTION	MATERIAL	
1	BODY	ASTM A 105	1.4301.-1.4401.
2	COVER	ASTM A 105	1.4301.-1.4401.
3	3 WAY COVER	ST 37-2	1.4301.-1.4401.
4	BALL	1.4301 / 1.4086	1.4305.-1.4401.
5	ACTION SPINDLE	1.4021	1.4301.-1.4401.
6	BALL TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
7	BODY TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
8	BODY O-RING	VİTON	VİTON
9	NECK TIGHTNESS ELEMENT	PTFE-Teflon	PTFE-Teflon
10	BURGMAN GRAPHITE O-RING	EN 1514-1	EN 1514-1

ITEM NO	ITEM DISCRIPTION	MATERIAL	
11	SPINDLE O-RING	VİTON	VİTON
12	PRESSURE RING	MS 58	1.4301.-1.4401.
13	BOWL WASHER	50 Cr V 4	1.4301.
14	COUNTER NUT	5,6 Gal.	1.4301.
15	STOPPING PIM	ST 42 Gal.	1.4301.
16	BOLT	ST 42 Gal.	1.4301 / 1.4086
17	ANTISTATIC SPRING	1.4301.	1.4301 / 1.4086
18	ANTISTATIC BALL	1.4301.	1.4301 / 1.4086
19	BALL ACTION HANDLE	st 37	1.4301.
20	PLASTIC COVERING	PVC	PVC

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BURAK TYPE MONOBLOCK BALL VALVE 3 WAYS

DIMENSIONS	BATU SPECIAL
CONNECTIONS	EN 1092
WORKING PRESSURE	PN 16 - 40
WORKING TEMPERATURE	-30 °C / +250 °C
USAGE AREAS	Natural Gas, LPG-LNG, Fuel-Oil, Pressurized Air and Other Gases

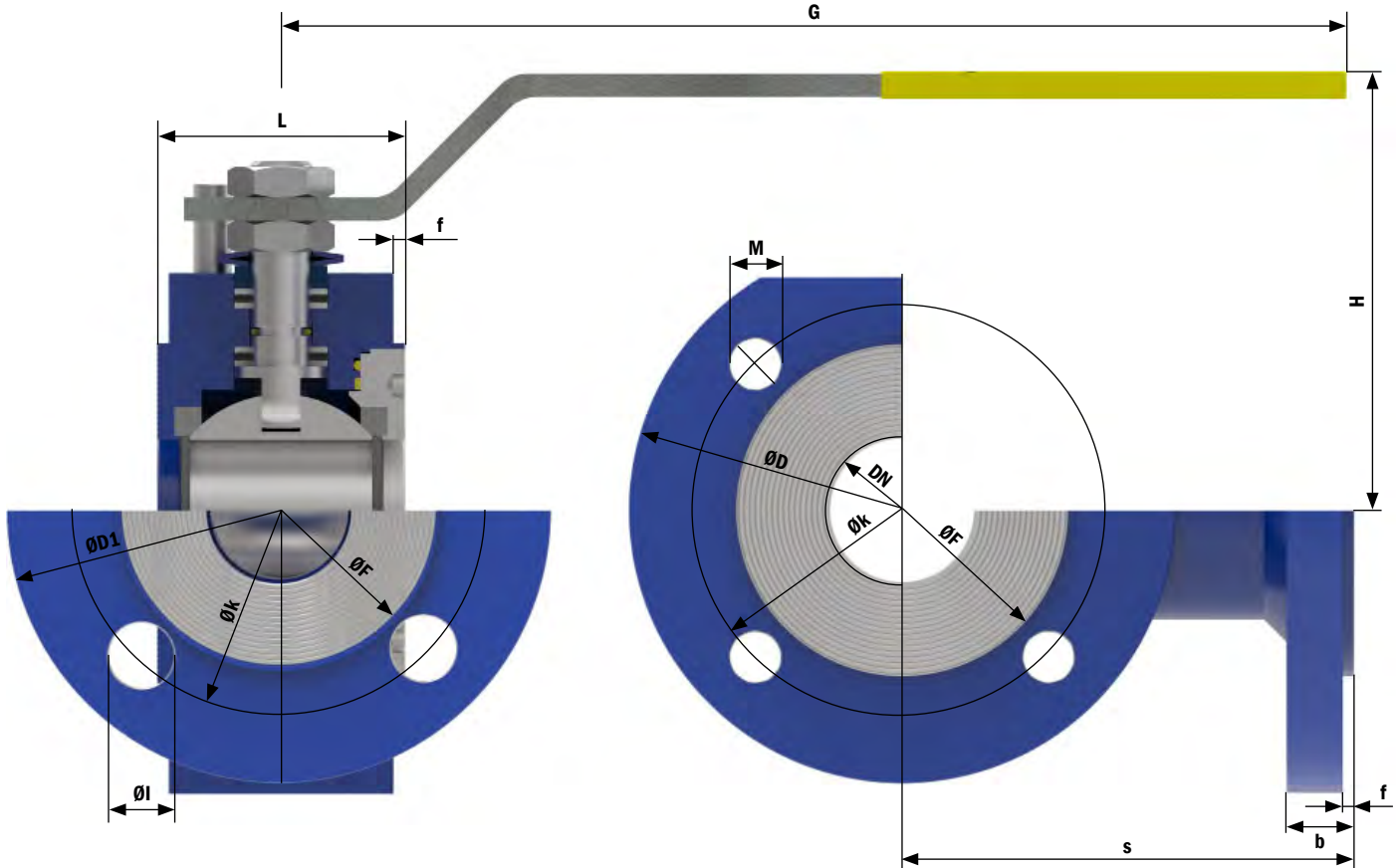


TİP: BBTKV-3Y

DN 15 - DN 100

PN 16 / 40

FULL BORE / FIRE SAFE



DIMENSIONS AND CONNECTION SIZES

								PN 16							PN 40						
DN	INC	L	s	G	H	f	D	D1	b	k	H.Unit	M	I	F	D1	b	k	H.Unit	M	I	F
DN 15	1/2"	38	85	150	75	2	87	95	14	65	4	M 12	14	50	95	16	65	4	M 12	14	50
DN 20	3/4"	45	90	150	83	2	97	105	16	75	4	M 12	14	60	105	18	75	4	M 12	14	60
DN 25	1"	50	90	180	90	2	107	115	16	85	4	M 12	14	68	115	18	85	4	M 12	14	68
DN 32	1 1/4"	62	105	230	95	2	135	140	16	100	4	M 16	18	78	140	18	100	4	M 16	18	78
DN 40	1 1/2"	70	120	275	115	3	145	150	16	110	4	M 16	18	88	150	18	110	4	M 16	18	88
DN 50	2"	90	135	275	120	3	165	165	18	125	4	M 16	18	105	165	20	125	4	M 16	18	105
DN 65	2 1/2"	115	150	350	135	3	177	185	18	145	4	M 16	18	125	185	22	145	8	M 16	18	125
DN 80	3"	140	175	350	150	3	197	200	20	160	8	M 16	18	132	200	24	160	8	M 16	18	132
DN 100	4"	165	190	450	170	3	232	220	20	180	8	M 16	18	158	235	24	190	8	M 20	22	162

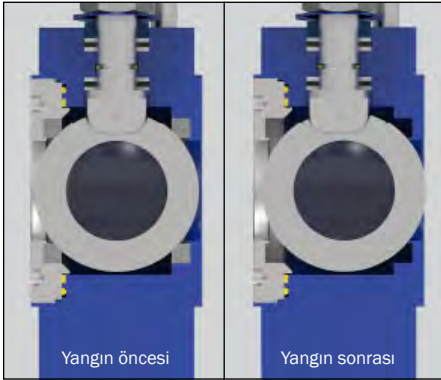
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STANDARDS

VALVES DESİNG	ASME B 16.34 / EN 12516-1 / PED 2014/68/EU
DIMENSIONS	EN 558-1 SERİE 100
CONNECTIONS	ASME B 16.5 / DIN EN 1092-1
FIRE-SAFE	API 6FA / API 607 / ISO 10497
TEST	API 6D / API 598 / ISO 14313

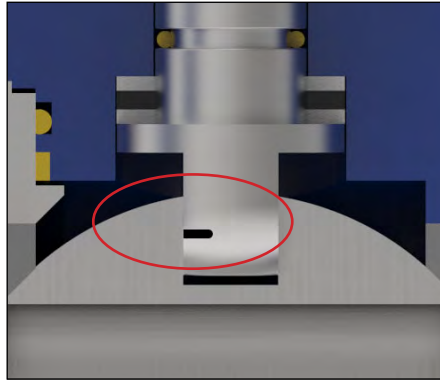


STANDARD EXECUTIONS



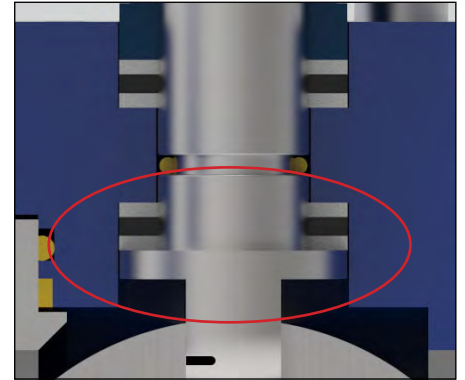
FIRE- SAFE DESIGN

BatuValve ball valves have been subjected to fire tests in accordance with API 6FA and ISO 10497 standards.



ANTI-STATIC DESIGN

The spring and ball used in the stem ensure that any static electricity that may occur is grounded to the pipeline.



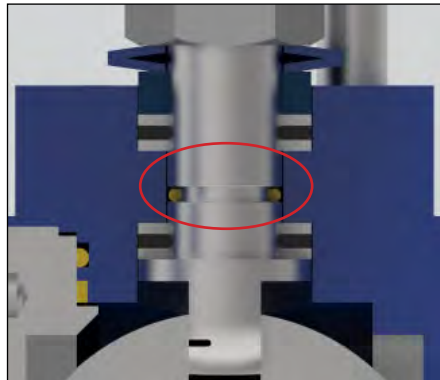
ANTI-BLOWOUT DESIGN

Movement shaft is designed not to come out, In case of excessive pressure that may occur in the valve.



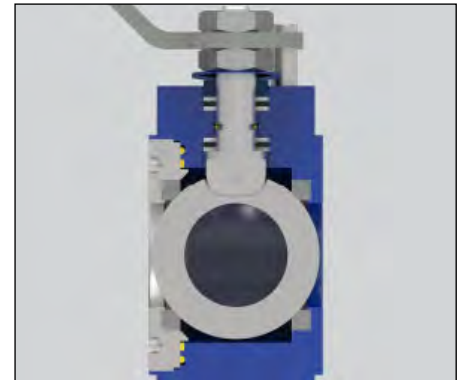
ISO 5211 ACTUATOR CONNECTION

The upper part of all valve bodies is designed in accordance to ISO 5211, suitable with actuator mounting.



HAREKET MİLİ O-RİNGİ

Through the o-ring in the action spindle is in all valves maximum tightness obtained.

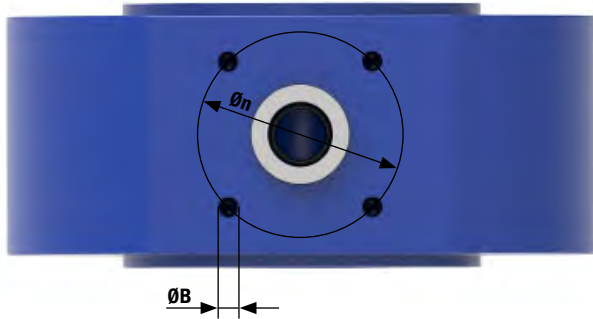


VALVE BALL LENGTH

It is designed that the ball length not exceed the valve length, when all valves are in closed position.

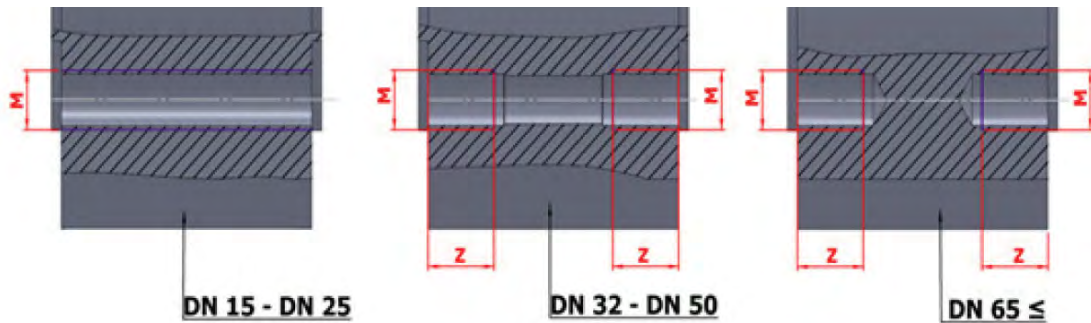
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ISO 5211 ACTUATOR CONNECTION DIMENSIONS



ISO 5211		
VALVE	n	B
DN 15	36	M 5
DN 20	36	M 5
DN 25	42	M 5
DN 32	42	M 5
DN 40	50	M 6
DN 50	50	M 6
DN 65	70	M 8
DN 80	70	M 8
DN 100	102	M 10
DN 125	125	M 12
DN 150	125	M 12
DN 200	125	M 12
DN 250	140	M 16

INSTALLATION CONNECTION BOLT DIMENSIONS



VALVE	Z	PN 16	PN 40
DN 15	--	M12 x 30	M12 x 30
DN 20	--	M12 x 35	M12 x 35
DN 25	--	M12 x 35	M12 x 35
DN 32	25	M16 x 40	M16 x 40
DN 40	25	M16 x 40	M16 x 40

VALVE	Z	PN 16	PN 40
DN 50	25	M16 x 40	M16 x 40
DN 65	25	M16 x 40	M16 x 40
DN 80	25	M16 x 45	M16 x 45
DN 100	25	M16 x 45	M20 x 45
DN 125	25	M16 x 45	M20 x 50

VALVE	Z	PN 16	PN 40
DN 150	30	M20 x 50	M22 x 55
DN 200	35	M20 x 55	M27 x 65
DN 250	35	M24 x 65	M27 x 65

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OPTIONAL EXECUTIONS



BALANCE HOLE



CRYOGENIC STEM EXTENSION



DOUBLE SEALING EXTENSION



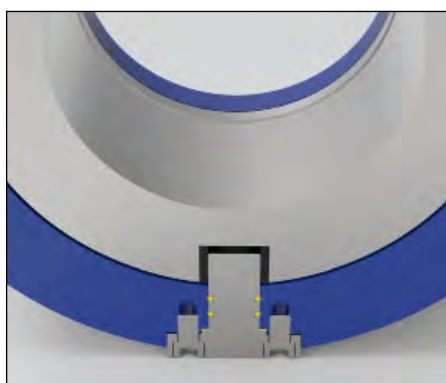
LEVER EXTENSION



LOCKING DEVICE



**LOCKING DEVICE
WITH EXTERIOR**



TRUNNION DESIGN



LEVER TYPES



**VALVE DEGREAS FOR OXYGEN
SERVICE**

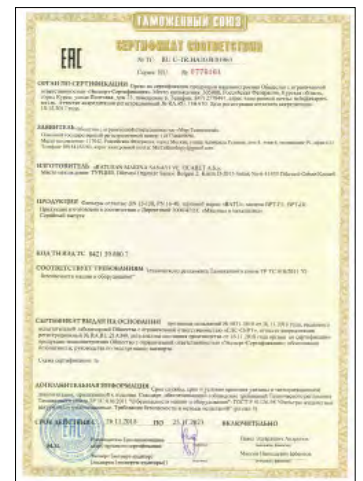
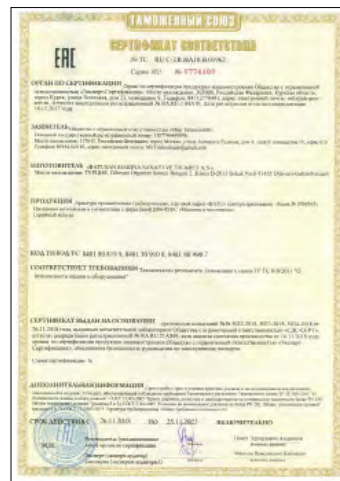
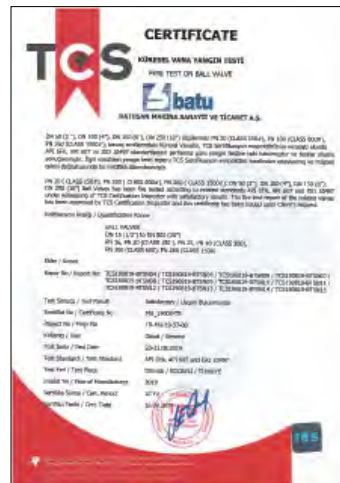
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