

BALL VALVE

Double Eccentric Ball Valve

REF EFC-525

SPECIFICATIONS

Size	DN100 to DN1600
Pressure	PN6, PN10, PN16
End connection	Flanged (EN 1092-2)
Media	water, general pipeline media

ACTUATION

- Gearbox, ISO 5211 mounting
- Part-turn electric actuator, ISO 5211 mounting
- Pneumatic actuator, ISO 5211 mounting
- Hydraulic actuator, ISO 5211 mounting

STANDARDS

Inspection & test	EN 12266
Flange & end dimension	EN 1092-2
Mounting	ISO 5211, ISO 5210



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

EFC-525 · Specifications confirmed at quote

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MATERIALS

Key	1.4021 (SS420)	Upper Shaft	1.4021 (SS420)
Connection Seat	GJS500-7 (GGG50), GJS400-15 (GGG40), 1.0619 (WCB)	Packing Gland	GJS500-7 (GGG50), GJS400-15 (GGG40), 1.0619 (WCB)
Packing	Flexible Graphite, EPDM, NBR	Packing Ring	1.0038 (S235JR), PTFE
Shaft Bearing	QA19-2, CC331G	Ball	1.0619 (WCB) + hard alloy welded seal ring
Body	GJS500-7 (GGG50), GJS400-15 (GGG40), 1.0619 (WCB)	Retainer Ring	1.0619 (WCB)
Seat	1.0619 (WCB) + hard alloy welded seal ring	Lower Shaft	1.4021 (SS420)
Shaft Cover	1.0619 (WCB)		

FEATURES

- Double eccentric semi-ball design with stable performance and self-compensating wear mechanism
- Straight-through flow port with large flow area and near-zero head loss
- Welded hard alloy body seat ring for wear and corrosion resistance
- Welded hard alloy ball sealing ring for wear and corrosion resistance
- Valve disc concealed within valve cavity in the open position, preventing direct media impingement on sealing surface
- Side-entry design allows maintenance without full removal from pipeline
- Adjustable packing design for reliable shaft sealing
- Shaft sealed by O-ring or graphite packing
- Self-cleaning capability for scale removal
- ISO 5211 mounting flange for actuator compatibility
- Gearbox equipped with ISO 5210 flange connection; F10 is standard
- Flange face and drilling to EN 1092-2

SUPPLIER REMARKS

- Click to download (design features document referenced but not specified)
- Customised services available for groups and individuals

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SECTION Dimensions per size REF EFC-525

SIZE	PN	L	D1	D2	D3	B	N-D	H	H2	A1	A2	A3	1	D4
DN100	PN6	229	210	170	144	18	4-18	130	270	64	56	193	240	-
DN100	PN10	229	220	180	156	19	8-18	130	270	64	56	193	240	-
DN100	PN16	229	220	180	156	19	8-18	130	270	64	56	193	240	-
DN125	PN6	254	240	200	174	20	8-18	148	290	64	56	193	240	-
DN125	PN10	254	250	210	184	19	8-18	148	290	64	56	193	240	-
DN125	PN16	254	250	210	184	19	8-18	148	290	64	56	193	240	-
DN150	PN6	267	265	225	199	20	8-18	173	331	93	65	233	320	-
DN150	PN10	267	285	240	211	19	8-22	173	331	93	65	233	320	-
DN150	PN16	267	285	240	211	19	8-22	173	331	93	65	233	320	-
DN200	PN6	292	320	280	254	22	8-18	195	375	93	65	233	320	-
DN200	PN10	292	340	295	266	20	8-22	195	375	93	65	233	320	-

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Dimensions per size (continued) · EFC-525

SIZE	PN	L	D1	D2	D3	B	N-D	H	H2	A1	A2	A3	⌀	D4
DN200	PN16	292	340	295	266	20	12- 22	195	375	93	65	233	320	-
DN250	PN6	330	375	335	309	24	12- 18	225	447	120	81.5	282.5	400	-
DN250	PN10	330	395	350	319	22	12- 22	225	447	120	81.5	282.5	400	-
DN250	PN16	330	405	355	319	22	12- 26	225	447	120	81.5	282.5	400	-
DN300	PN6	356	440	395	363	24	12- 22	260	485	120	81.5	282.5	400	-
DN300	PN10	356	445	400	370	25	12- 22	260	485	120	81.5	282.5	400	-
DN300	PN16	356	460	410	370	25	12- 26	260	485	120	81.5	282.5	400	-
DN350	PN6	440	490	445	413	24	12- 22	300	525	148	89	354	500	174
DN350	PN10	440	505	460	429	25	16- 22	300	525	148	89	354	500	174
DN350	PN16	440	520	470	429	27	16- 26	300	525	148	89	354	500	174
DN400	PN6	500	540	495	463	24	16- 22	332	560	148	89	354	500	174
DN400	PN10	500	565	515	480	25	16- 26	332	560	148	89	354	500	174
DN400	PN16	500	580	525	480	28	16- 30	332	560	148	89	354	500	174
DN450	PN6	560	595	550	518	24	16- 22	360	610	148	89	354	500	174

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Dimensions per size (continued) · EFC-525

SIZE	PN	L	D1	D2	D3	B	N-D	H	H2	A1	A2	A3	⌀	D4
DN450	PN10	560	615	565	530	26	20- 26	360	610	148	89	354	500	174
DN450	PN16	560	640	585	548	30	20- 30	360	610	148	89	354	500	174
DN500	PN6	620	645	600	568	26	20- 22	380	608	148	89	354	500	174
DN500	PN10	620	670	620	582	27	20- 26	400	695	185	105	379	500	174
DN500	PN16	620	715	650	609	32	20- 33	400	695	185	105	379	500	174
DN600	PN6	800	755	705	667	28	20- 26	560	792	185	105	379	500	174
DN600	PN10	800	780	725	682	30	20- 30	560	792	185	105	379	500	174
DN600	PN16	800	840	770	720	36	20- 36	560	807	230	125	459	600	258
DN700	PN6	850	860	810	772	28	24- 26	630	840	185	105	379	500	174
DN700	PN10	850	895	840	794	33	24- 30	630	840	185	105	379	500	174
DN700	PN16	850	910	840	794	40	24- 36	630	886	230	125	459	600	258
DN800	PN6	900	975	920	878	30	24- 30	700	919	230	125	459	600	258
DN800	PN10	900	1015	950	901	35	24- 33	700	919	230	125	459	600	258
DN900	PN6	1050	1075	1020	978	38	24- 30	800	1010	230	125	459	600	258

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Dimensions per size (continued) · EFC-525

SIZE	PN	L	D1	D2	D3	B	N-D	H	H2	A1	A2	A3	⌀	D4
DN900	PN10	1050	1115	1050	1001	38	28-⌀33	800	1010	230	125	459	600	258
DN1000	PN6	1200	1175	1120	1078	30	28-⌀30	820	1119	230	125	459	600	326
DN1000	PN10	1200	1230	1160	1112	40	28-⌀37	820	1188	315	164	584	600	326
DN1200	PN6	1500	1405	1340	1295	32	32-⌀33	980	1350	315	163.5	584	600	326
DN1200	PN10	1500	1455	1380	1328	45	32-⌀39	980	1350	315	163.5	584	600	326
DN1400	PN6	1650	1630	1560	1510	36	36-⌀36	1150	1560	412	213	704	720	438
DN1400	PN10	1650	1675	1590	1530	46	36-⌀42	1150	1560	412	213	704	720	438
DN1500	PN6	1750	1730	1660	1610	38	36-⌀36	1300	1637	412	213	704	720	438
DN1500	PN10	1750	1915	1820	1750	48	36-⌀44	1250	1637	412	213	704	720	438
DN1600	PN6	1850	1830	1760	1710	38	40-⌀36	1400	1813	495	239	881	720	460
DN1600	PN10	1850	1915	1820	1750	49	40-⌀48	1400	1813	495	239	881	720	460

Dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.

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