

JADE

ANSI 300 / PN64

Wafer ball valve in stainless steel or carbon steel, of solid and advanced design is backed by the twenty-year experience gained by ENOLGAS in the production of ball valves. In order to keep tolerances and material quality constant, investment casting of body and end adapter was preferred to forging, with careful subsequent toolings on CNC machines, which guarantee a high quality standard. Leading design and accurate machining and finishing of the valves guarantee a perfect tightness and lifetime troubleless working operations.



INDUSTRIAL VALVES

TECHNICAL FEATURES

Triple seal blow out-proof stem.
Two spring washers on top of the stem packing.
Quarter turn stop working also without lever.
Full bore.

JADE

Is available in stainless steel and carbon steel.
ISO mounting holes for actuators.
Fire safe BS 6755, API 6FA, API 607.
General prescription BS 5351.
Connetion with actuator ISO 5211.

END CONNECTIONS

Flanges to UNI 2223-2229
DIN 2501 BL.1
ANSI B16.5.

WORKING PRESSURE

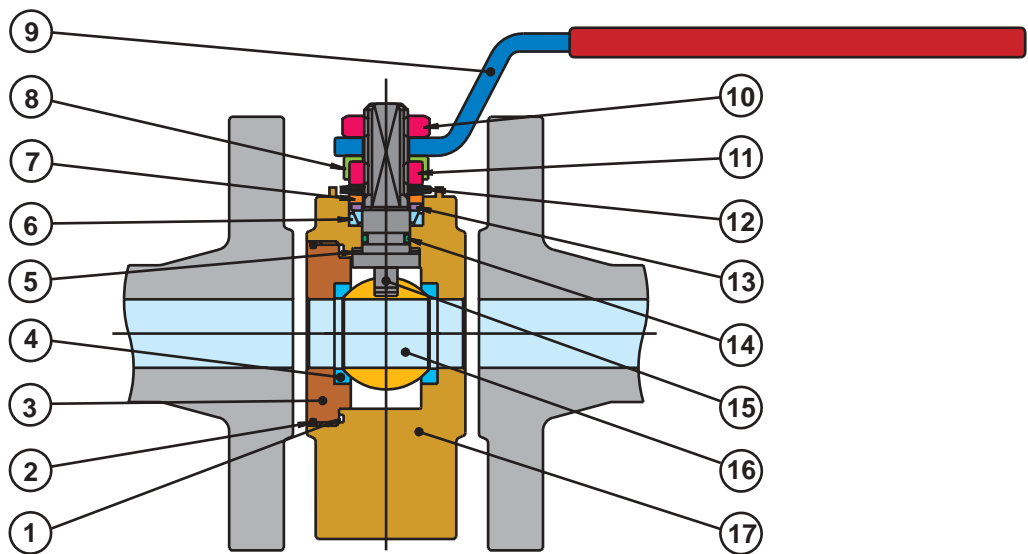
PN 64 or ANSI 300

TEMPERATURE LIMITS

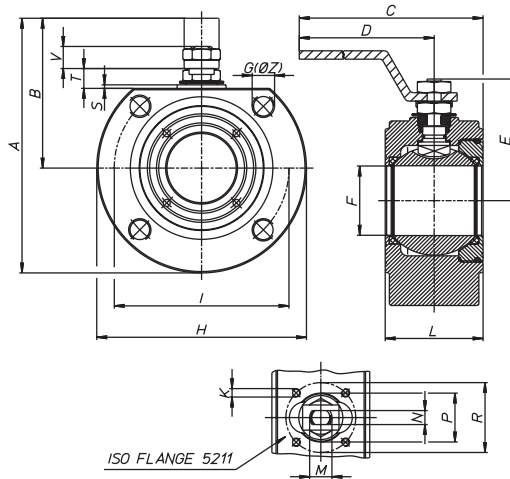
From -20°C to +180°C

UTILISATION

Chemicals, oil derivatives, hydraulics, pneumatics, water, gases and vacuum.
For special uses, see the table of chemical resistance.



Item	Description	JADE stainless steel	JADE carbon steel
1	Static gasket	From bar	Virgin P.T.F.E.
2	Static O-Ring	Black	NBR
3	Body insert	From bar	AISI 316 D 1.4401
4	Ball seats	From bar	Virgin P.T.F.E.
5	Thurst washer	From bar	Virgin P.T.F.E.
6	Stem packing	From bar	Virgin P.T.F.E.
7	Operation-stop	Blanked	AISI 304 D 1.4301
8	Fixing-nut-plat	Blanked	AISI 304 D 1.4301
9	Lever handle	P.V.C. insulated red color	AISI 304 D 1.4301
10	Locking nut	Forged	AISI 304 D 1.4301
11	Stem retaining-nut	Forged	AISI 304 D 1.4301
12	Spring washers	Drawn	AISI 301 D 1.4310
13	Packing washers	From bar	AISI 303 D 1.4305
14	O-ring	Green or black	Fluoroelastomer
15	Stem	From bar	AISI 316 D 1.4401
16	Ball	Forged	AISI 316 D 1.4401
			DN 15/40 AISI 316 D 1.4401
			DN 50/100 AISI 304 D 1.4301
17	Body	From bar	AISI 316 D 1.4401



- 15% GLASS-FILLED PTFE with temperature limits -20°C + 195°C
- PTFE+CARBOGRAPHITE with temperature limits -20°C + 210°C
- Integral sealing in PTFE from DN 15 to DN 50
- Reduction gear with manual operation
- Drilled ball and unidirectional valve
- Degreased version
- Antistatic device from DN 15 to DN 32
- On request the valve is available with ATEX certificate
- Extended stem for insulated pipes
- For further special requests please consult our technical/commercial service

Size	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	K mm	I mm	L mm	M mm	N mm	P mm	R mm	S mm	T mm	V mm	Z mm	N° holes	PN	ISO FLANGE	weight gf.	
PN 64	DN15	119	66	161	140	48	15	M12	105	M5	75	42	M10	6	-	36	-	3	9	14	4	64	F03	2310
	DN20	138	73	163	140	55,5	20	M16	130	M5	90	46	M10	6	-	36	-	3	9	18	4	64	F03	3660
	DN25	160	90	205	180	70,5	25	M16	140	M5	100	50	M12	8	-	42	-	9,5	11,5	18	4	64	F04	4750
	DN32	173	95	207	180	75	32	M20	155	M5	110	54	M12	8	-	42	-	9,5	11,5	22	4	64	F04	6050
	DN40	194	109	263	230	87,5	40	M20	170	M6	125	66	M16	10	35	50	2,5	14	16	22	4	64	F05	8950
	DN50	206	116	272	230	94,5	50	M20	180	M6	135	83	M16	10	35	50	2,5	14	16	22	4	64	F05	12620

ANSI 300	1/2"	113	66	161	140	48	15	1/2"	95,2	M5	66,7	42	M10	6	-	36	-	3	9	16	4	-	F03	1725
	3/4"	130	73	163	140	55,5	20	5/8"	117,5	M5	82,5	46	M10	6	-	36	-	3	9	19	4	-	F03	2770
	1"	152	90	205	180	70,5	25	5/8"	123,8	M5	88,9	50	M12	8	-	42	-	9,5	11,5	19	4	-	F04	3700
	1 1/2"	187	109	263	230	87,5	40	3/4"	155,6	M6	114,3	66	M16	10	35	50	2,5	14	16	22	8	-	F05	7110
	2"	199	116	272	230	94,5	50	5/8"	165,1	M6	127	83	M16	10	-	50	-	2,5	16	19	4	-	F05	10430

Breaking Torque in Nm

DN size	15	20	25	32	40	50							
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"							
PN - bar	0	4	7	10	16	25	35						
	16	4,8	8,5	11,3	19	28	39						
	25	5,2	9,1	12	20,5	29,5	41,5						
	40	6	10,5	13	22,5	31,5	44						
							Nm						

Values in Nm can change depending on the material used for seats, on temperature and on the fluid used.
For a safe working of the various sorts of servocontrol, it is necessary to consider a

safety factor = 1,5 in each condition. While the valve is working, with frequent on/off cycles, the operating torque can become extremely low in comparison with the beginning one.

