JACKET JADE

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, wich guarantee a high quality standard.

Leading design and accurate machining and finishing of the valves guarantee a perfect tightness and lifetime troubleless working operations.



TECHNICAL FEATURESTriple seal blow out-proof stem.

Two spring washers on top of the stem packing. Quarter turn stop working also without lever. Full bore.

JADE

Line 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.

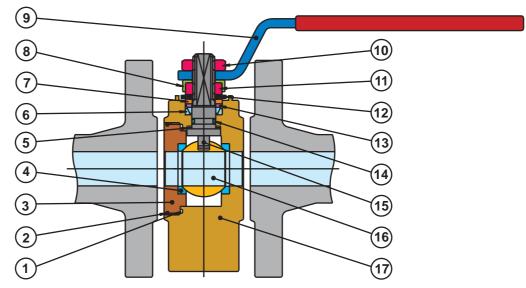
END CONNECTIONS Flanges to UNI 2223-2229 DIN 2501 BL.1 ANSI B16.5.

WORKING PRESSURE PN 16 on request PN 25 and PN 40

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	า	Description	JADE stai	nless steel	JADE carbon st	eel
1 Static g	jasket	From bar	Virgin P.T.F.E.		Virgin P.T.F.E.	
2 Static C	D-Ring	Black	NBR		NBR	
3 Body in	nsert	From bar	AISI 316	D 1.4401	A 105	
4 Ball sea	nts	From bar	Virgin P.T.F.E.		Virgin P.T.F.E.	
5 Thurst	washer	From bar	Virgin P.T.F.E.		Virgin P.T.F.E.	
6 Stem pa	acking	From bar	Virgin P.T.F.E.		Virgin P.T.F.E.	
7 Operati	ion-stop	Blanked	AISI 304	D 1.4301	AISI 304	D 1.4301
8 Fixing-r	nut-plat	Blanked	AISI 304	D 1.4301	AISI 304	D 1.4301
9 Lever h	andle	P.V.C. insulated red color	AISI 304	D 1.4301	Fe PO2 Zinc. plated steel	
10 Locking	g nut	Forged	AISI 304	D 1.4301	Zinc. plated steel	
11 Stem re	etaining-nut	Forged	AISI 304	D 1.4301	Zinc. plated steel	
12 Spring	washers	Drawn	AISI 301	D 1.4310	50 CrV4	
13 Packing	g washers	From bar	AISI 303	D 1.4305	AISI 303	D 1.4305
14 O-ring		Green or black	Fluoroelastomer		Fluoroelastomer	
15 Stem		From bar	AISI 316	D 1.4401	AISI 304	D 1.4301
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		Investment casting/From bar	AISI 316	D 1.4408/D 1.4401		



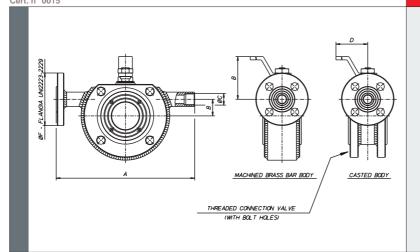
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SPECIAL EXECUTIONS

- Heating jackets in stainless steel AISI 304
- End connections NPT to ANSI B 1.20.1 (taper threads)
- On request the valve is avilable with
- · ATEX certificate
- For further special request please consult our techical/commercial service

AVAILABLE ACCESSORIES

Extended stem for insulated pipes.



Size	A mm	B mm	ØС	D mm	E mm	ØF									
DN15	160	0				DN15									
DN20	160	0	G1/2	140	70	DN15									
DN25	190	0	G1/2	180	82	DN15									
DN32	210	25	G1/2	180	85	DN15									
DN40	230	30	G1/2	230	102	DN15									
DN50	250	10	G1/2	230	110	DN15									
DN65	270	45	G1/2	350	137,5	DN15									
DN80	300	50	G1/2	350	150	DN15									
DN100	340	70	G1	508	165	DN25									

Breaking Torque in Nm

DN size		15	20	25	32	40	50	65	80	100		
	0	4	7	10	16	25	35	55	75	150		
bar	16	4,8	8,5	11,3	19	28	39	59	84,5	168		
PN-	25	5,2	9,1	12	20,5	29,5	41,5	62,5	92	180		
Ë	40	6	10,5	13	22,5	31,5	44	67	99	195		
		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 operationg torque can become extremely low in comparison with the beginning one.

