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Warning: filectime(): stat failed for /var/www/vhost/www.omal.it/htdocs/https://www.omal.it./FilesProdotti/80486-ValvoleasferaATEX-IT-EN.pdf in /var/www/vhost/www.omal.it/htdocs/prodotto-printable.php on line 65

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Item 424 stainless steel ball valves



Macro Ball valves

Category Other stainless steel ball valves

2-way full-bore three piece casted stainless steel ball valve threaded-ends or butt weld - PN 63

features

GENERAL FEATURES:

- Manufactured in three pieces to facilitate replacement on plants which requires frequent maintenance.
- Threaded ends as per ISO 7/1 specifications; socket welding; butt welding.
- Standard seals: PTFE.
- Working temperature: from -20°C to +180°C (see diagram)
- Working pressure: see diagram.
- Fluid range: air, water, gas, petroleum and petrochemical products, aggressive media.
- ISO 5211 flange connection.
- Integrated locking device for lever version.

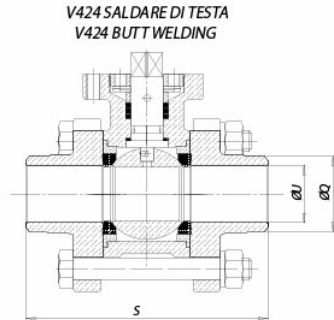
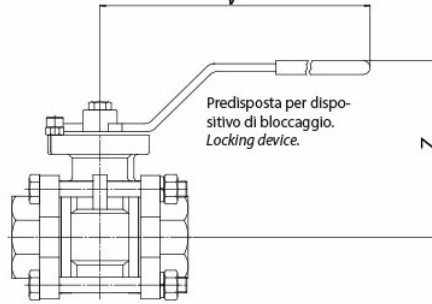
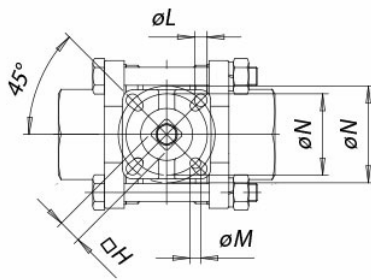
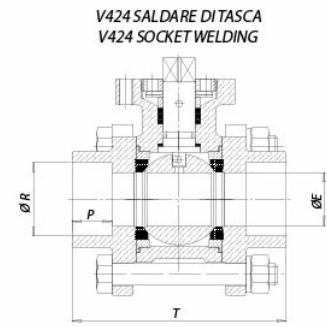
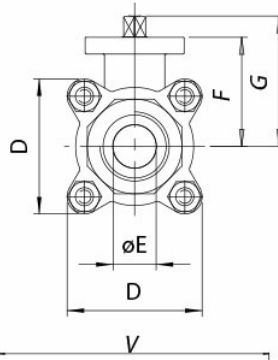
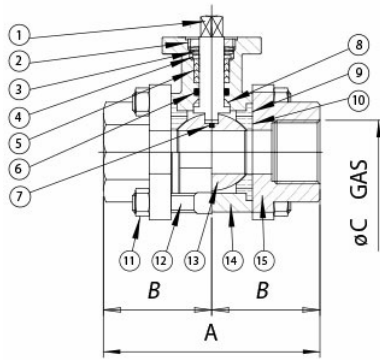
ON REQUEST:

- Seals made of:
 - RPTFE (15% glass filled)
 - CTFE (25% carbon filled)
 - TFM 1600.
- For other applications, please contact our sales department.

CERTIFICATIONS:

- ATEX version in conformity with European Directive 2014/34/EU.
- ATEX certificate on request.
- In compliance with European Directive 2014/68/EU PED.

dimensions

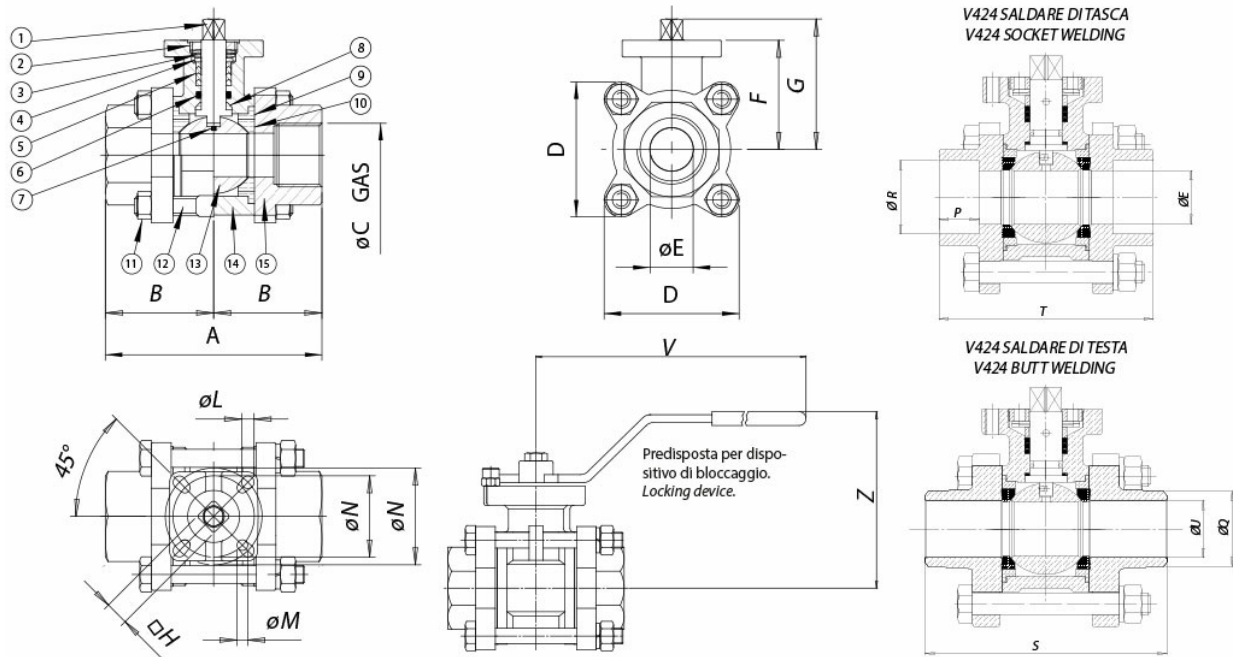




DIMENSIONS

SIZE		A	B	ØE	D	F	G	□H	ØL	ØM	ØN	THREADED END	SOCKET WELDING END			BUTT WELDING END		
DN [mm]	[inch]											ØC	ØR	P	T	ØU	ØQ	S
DN 08	1/4"	65	32,5	11,2	48,8	42	49,5	9	6	6	36-42	1/4"	14,3	13,0	65,0	10,4	14,8	7
DN 10	3/8"	65	32,5	12,6	48,8	42	49,5	9	6	6	36-42	3/8"	17,7	13,0	65,0	13,7	18,5	7
DN 15	1/2"	75	37,5	15,0	48,8	42	49,5	9	6	6	36-42	1/2"	22,0	16,0	75,0	15,0	21,0	7
DN 20	3/4"	80	40,0	20,0	50,3	45	53,5	9	6	6	36-42	3/4"	27,5	16,0	80,0	21,4	28,3	9
DN 25	1"	90	45,0	25,0	64,0	52	62,7	11	7	6	42-50	1"	34,3	17,0	90,0	27,2	35,5	10
DN 32	1" 1/4	110	55,0	32,0	73,4	57	67,7	11	7	6	42-50	1" 1/4	43,0	20,0	110,0	35,5	43,7	11
DN 40	1" 1/2	120	60,0	38,0	82,0	68	81,5	11	9	7	50-70	1" 1/2	49,0	20,0	120,0	41,2	50,0	12
DN 50	2"	140	70,0	50,8	94,3	77	91,0	14	9	7	50-70	2"	61,4	22,0	140,0	52,7	63,0	15
DN 65	2" 1/2	185	92,5	65,0	165,0	100	117	17	11	9	70-102	2" 1/2	77,2	33,0	185,0	65,3	77,2	19
DN 80	3"	205	102,5	80,0	190,0	111	127,7	17	11	9	70-102	3"	90,0	34,3	205,0	79,5	89,8	22
DN 100	4"	240	120,0	100,0	240,0	138	159,8	22	13	11	102-125	4"	115,4	41,0	240,0	102,3	115,4	25

materials



MATERIALS

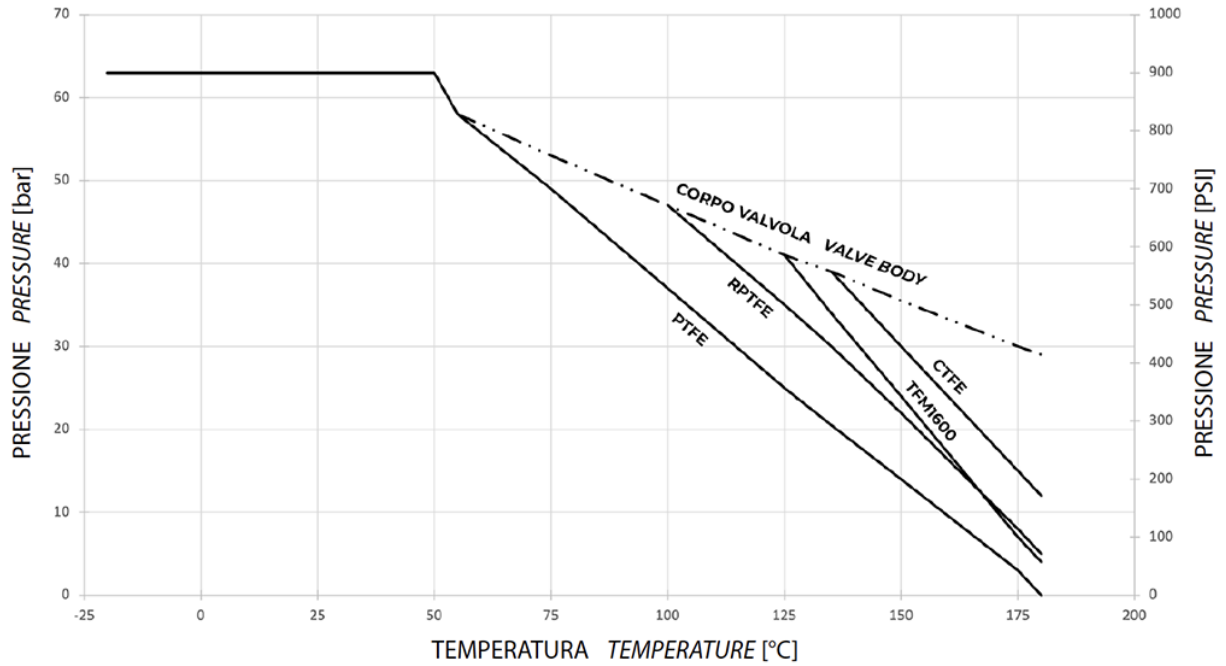
1	Shaft	316 S.S.	1.4401	UNI X5CrNiMo 17 12
2	Nut	304 S.S.	1.4301	UNI X5CrNi 18 10
3	Belleville washer	301 S.S.	1.4310	UNI X12CrNi 17 07
4	Gland	304 S.S.	1.4301	UNI X5CrNi 18 10
5*	V-ring stem packing	P.T.F.E.		
6*	O-ring	FKM		
7	Antistatic device	316 S.S.	1.4401	UNI X5CrNiMo 17 12
8*	Pyramidal stem seal	P.T.F.E.		
9*	Body gasket	P.T.F.E.		
10*	Seal	P.T.F.E.		
11	Nut	304 S.S.	1.4301	UNI X5CrNi 18 10
12	Bolt	304 S.S.	1.4301	UNI X5CrNi 18 10
13	Ball	316 S.S.	1.4401	UNI X5CrNiMo 17 12
14	Body	316 S.S.	1.4408	
15	End cap	316 S.S.	1.4408	

* Components of spare part kit KGBV60...

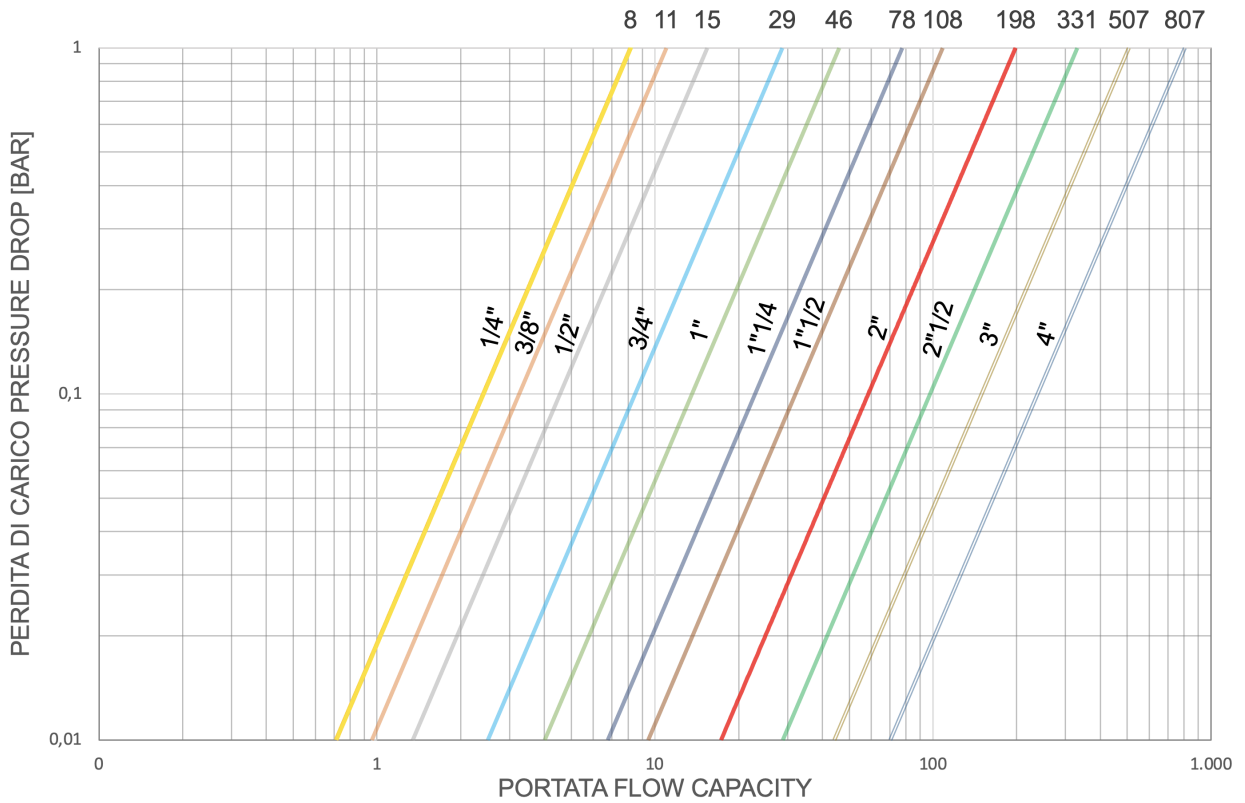


diagrams and breakaway torque

Pressure/temperature diagram



Flow/pressure loss diagram and Kv nominal coefficient



Kv is the coefficient, expressed in m³/h (with water at 15°C) causing a pressure loss of 1 bar.



BREAKAWAY TORQUES Nm

SIZE	DN 8 1/4"	DN 10 3/8"	DN 15 1/2"	DN 20 3/4"	DN 25 1"	DN 32 1 1/4"	DN 40 1 1/2"	DN 50 2"	DN 65 2 1/2"	DN 80 3"	DN 100 4"
PN 63 bar	6	7	8	10	14	20	29	42	85	146	235

Torque can vary depending on temperature and type of fluid; a safety factor of 1.4 must be applied. Torque can drop on high frequency of operations. The actuator/ valve sizing, indicated on the following pages, are based for valves to be used with liquids or gaseous fluids, clean, and for medium temperatures. For further information, or different uses please contact our sales department.



documents

Certificati

[PED](#)

[ATEX - Ball Valves](#)

[UKCA](#)

Istruzioni

[ISTRUZIONI ATEX 8_0486](#)

[ISTRUZIONI USO 8_0844-09](#)

