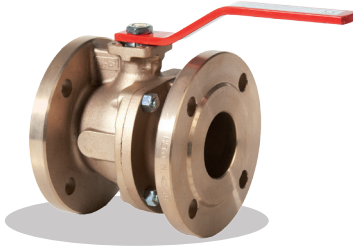


Valvola a sfera flangiata in bronzo / Flanged bronze ball valve

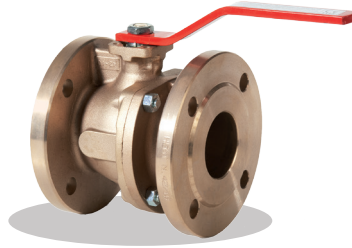
EN 558/1 - 14



E0400

Corpo: Bronzo
Sfera: Ottone
Asta: Ottone
O-ring: FKM
Temp: da -10 a +150°C

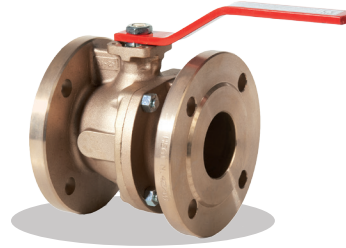
Body: Bronze
Ball: Brass
Stem: Brass
O-ring: FKM
Temp: -10 +150°C



E0410

Corpo: Bronzo
Sfera: AISI 316
Asta: AISI 316
O-ring: FKM
Temp: da -10 a +150°C

Body: Bronze
Ball: AISI 316
Stem: AISI 316
O-ring: FKM
Temp: -10 +150°C

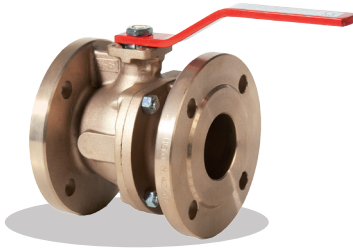


E0420

Corpo: Bronzo
Sfera: Bronzo-alluminio
Asta: Bronzo-alluminio
O-ring: FKM
Temp: da -10 a +150°C

Body: Bronze
Ball: Aluminium-bronze
Stem: Aluminium-bronze
O-ring: FKM
Temp: -10 +150°C

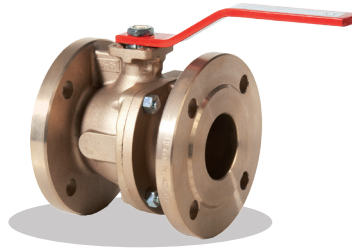
ANSI B16.5#150 passaggio pieno / ANSI B16.5#150 full bore



E0430

Corpo: Bronzo
Sfera: Ottone
Asta: Ottone
O-ring: FKM
Temp: da -10 a +150°C

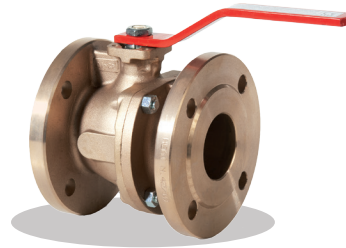
Body: Bronze
Ball: Brass
Stem: Brass
O-ring: FKM
Temp: -10 +150°C



E0440

Corpo: Bronzo
Sfera: AISI 316
Asta: AISI 316
O-ring: FKM
Temp: da -10 a +150°C

Body: Bronze
Ball: AISI 316
Stem: AISI 316
O-ring: FKM
Temp: -10 +150°C

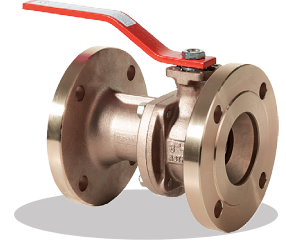


E0450

Corpo: Bronzo
Sfera: Bronzo-alluminio
Asta: Bronzo-alluminio
O-ring: FKM
Temp: da -10 a +150°C

Body: Bronze
Ball: Aluminium-bronze
Stem: Aluminium-bronze
O-ring: FKM
Temp: -10 +150°C

ANSI B16.5#150 passaggio ridotto
ANSI B16.5#150 reduced bore

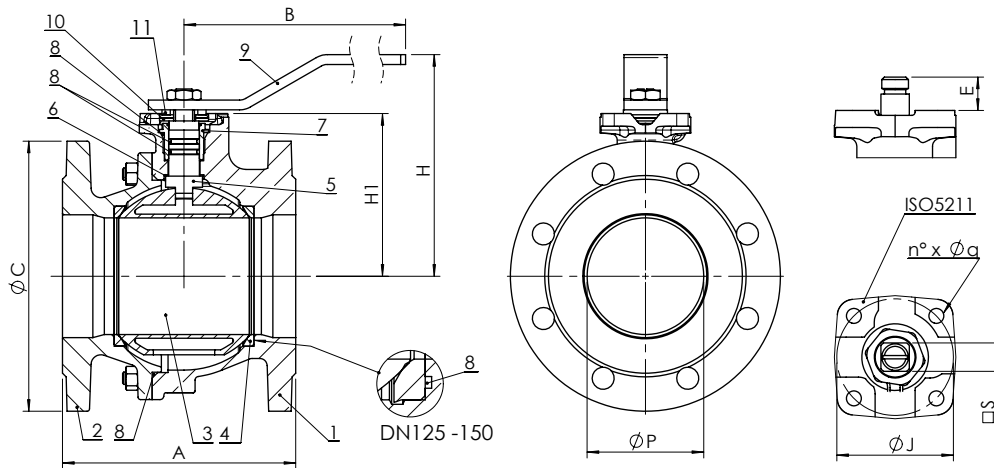


E0460

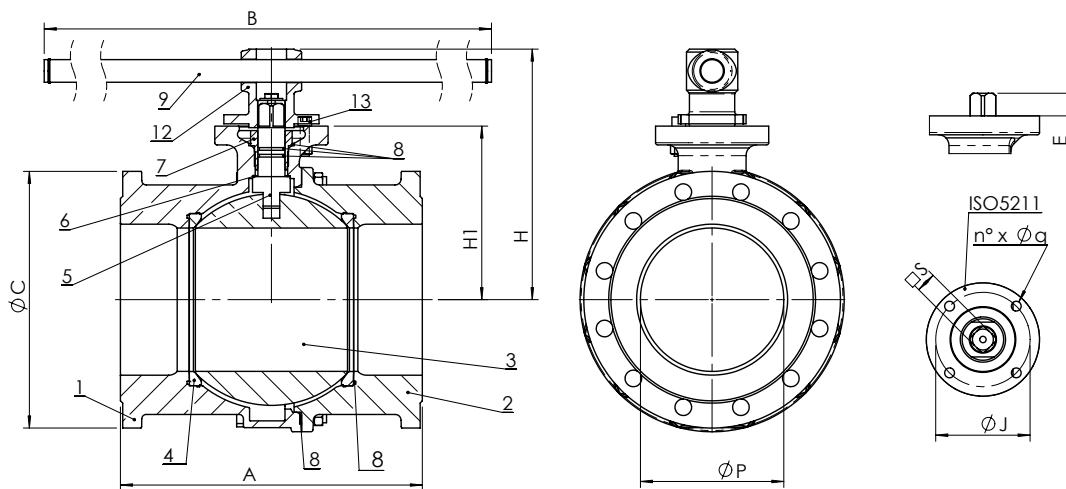
Corpo: Bronzo
Sfera: Bronzo-alluminio
Asta: Bronzo-alluminio
O-ring: FKM
Temp: da -10 a +150°C

Body: Bronze
Ball: Aluminium-bronze
Stem: Aluminium-bronze
O-ring: FKM
Temp: -10 +150°C

E04 - DN 15-150



E04 - DN 200



E04 - Dimensioni (mm) / Dimensions (mm)

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
P		15	20	25	32	40	50	63	76	95	120	145	190	240
A	EN 558/1 - 14 (ex DIN 3202 F4)	115	120	125	130	140	150	170	180	190	200	210	-	-
A	EN 558/1 - 14 (ex DIN 3202 F5)	-	-	-	-	-	-	-	-	-	-	-	400	450
H		84	84	96	101	125	135	143	165	180	225	243	320	-
H ₁		50,5	52	59	64	78,5	87	95	118	132,5	165	182,5	230	355
B		160	160	170	170	230	230	230	280	360	450	560	1000	101
C	EN1092/2 PN 16	95	105	115	140	150	165	185	200	220	250	285	340	405
C	ANSI B16.5 #150	88,9	98,6	108	117,3	127	152,4	177,8	190,5	228,6	254	279,4	-	-
ISO 5211		F04	F04	F04	F04	F05	F05	F05	F07	F07	F10	F10	F12	F12
C1		-	-	-	-	-	-	-	-	-	-	-	-	490
V		-	-	-	-	-	-	-	-	-	-	-	-	500
T		-	-	-	-	-	-	-	-	-	-	-	-	284
J		42	42	42	42	50	50	50	70	70	102	102	125	125
n° x Øq		4 x 6	4 x 6	4 x 6	4 x 6	4 x 7	4 x 7	4 x 7	4 x 9	4 x 9	4 x 11	4 x 11	4 x 13	4 x 13
E		11,5	11,5	14,5	14,5	17,5	17,5	17,5	20	20	24,5	24,5	27	92
S		09	09	011	011	014	014	014	017	017	022	022	027	Ø 45

E04 - Peso (kg) / Weight (kg)

E04		2,8	3,4	4,8	5,6	7,9	10,5	15,1	19,1	24	36,7	44,6	104	120
E04		2,8	3,4	4,8	6,5	9,3	11,5	16	20,6	28,4	41,2	52,7	131	140

E04 - Coppia di manovra (Nm) / Operating torque (Nm)

Nm		15	15	18	18	18	20	40	70	100	180	250	600	2000
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N.B. al fine di ottimizzare la scelta del servocomando si consiglia di moltiplicare il momento torcente per il coefficiente di sicurezza K=1,5
 N.B.: In order to choose the right actuator, we recommend multiplying the operating torque figure by a safety coefficient. K=1.5

Materiali / Materials

	Componente / Component	Materiale / Material
1	Corpo Body	Bronzo CuSn5Zn5Pb5 CC491K EN1982 (equivalente C83600 ASTM B62) Bronze CuSn5Zn5Pb5 CC491K EN1982 (equivalente C83600 ASTM B62)
2	Flangia Flange	Bronzo CuSn5Zn5Pb5 CC491K EN1982 (equivalente C83600 ASTM B62) Bronze CuSn5Zn5Pb5 CC491K EN1982 (equivalente C83600 ASTM B62)
3	Sfera DN15-50 Ball DN15-50	Ottone CuZn40Pb2 / AISI316 / Bronzo-alluminio CuAL10Ni5Fe4 (C63000 ASTM 283) Brass CuZn40Pb2 / AISI316 / Aluminium-bronze CuAL10Ni5Fe4 (C63000 ASTM 283)
	Sfera DN65-250 Ball DN65-250	Ottone CuZn40Pb2 / AISI316 / Bronzo-alluminio CuAL10Ni5Fe5 (C95800 ASTM B148) Brass CuZn40Pb2 / AISI316 / Aluminium-bronze CuAL10Ni5Fe5 (C95800 ASTM B148)
4	Sede sfera Ball seat	PTFE + Carbone Reinforced PTFE
5	Asta Stem	Ottone CuZn40Pb2 / AISI316 / Bronzo-alluminio CuAL10Ni5Fe4 (C63000 ASTM 283) Brass CuZn40Pb2 / AISI316 / Aluminium-bronze CuAL10Ni5Fe4 (C63000 ASTM 283)
6	Anello antifrizione Sliding washer	PTFE PTFE
7	Ghiera Ring	Ottone CuZn40Pb2 / AISI316 / Bronzo-alluminio CuAL10Ni5Fe4 (C63000 ASTM 283) Brass CuZn40Pb2 / AISI316 / Aluminium-bronze CuAL10Ni5Fe4 (C63000 ASTM 283)
8	O Ring O-Ring	FKM (Viton®) FKM (Viton®)
9	Leva Lever	Acciaio al carbonio, verniciato epossidico / AISI 316 con guaina in plastica Carbon steel, epoxy coated / AISI 316 with plastic coating
10	Piastrina fermo Stop plate	Acciaio al carbonio zincato / AISI 316 Galvanized carbon steel / AISI 316
11	Anello elastico Spring washer	Acciaio al carbonio zincato / AISI 316 Galvanized carbon steel / AISI 316
12	Mozzo leva Lever hub	Ottone CuZn40Pb2 Brass CuZn40Pb2
13	Fermo leva Lever stop	Acciaio al carbonio zincato / AISI 316 Galvanized carbon steel / AISI 316
14	Anello antiestrazione Anti-blow-out ring	AISI302 AISI 302
15	Supporto per riduttore Mounting pad for gear box	Bronzo-alluminio CuAL10Ni5Fe5 Aluminium-bronze CuAL10Ni5Fe5
16	Riduttore manuale Gear box	- -
17	Bulloneria Bolts	Acciaio al carbonio zincato / AISI 304 / AISI 316 Galvanized carbon steel / AISI 304 / AISI 316

E04 - Foratura / Drilling

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
Dim. flangia in accordo PN 16 EN1092/3 Dimensions of flanges according to PN 16 EN1092/3	Foratura PN 16 EN1092/1 Drilling PN 16 EN1092/1	std	std	std	std	std	std	std	std	std	std	std	std	std
	Foratura PN 10 EN1092/1 Drilling PN 10 EN1092/1	=	=	=	=	=	=	=	=	=	=	=	opt	opt
	Foratura PN 6 EN1092/1 Drilling PN 6 EN1092/1	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt
	Foratura PN 25 EN1092/1 Drilling PN 25 EN1092/1	=	=	=	=	=	=	=	opt	no	no	no	no	no
	Foratura ANSI B16.5 #150 Drilling ANSI B16.5 #150	-	-	-	-	-	-	-	-	-	-	-	-	opt
Dim. flangia in accordo ANSI B16.5#150 Dimensions of flanges according to ANSI B16.5#150	Foratura ANSI B16.5 #150 Drilling ANSI B16.5 #150	std	std	std	std	std	std	std	std	std	std	std	-	-

std: standard / opt: opzionale a richiesta / -: uguale a PN16

std: standard / opt: option on request / -: same as PN16

Pressione massima / Maximum pressure

Tipo fluido * - Fluids *	Montaggio - Mounting	
	TRA FLANGE BETWEEN FLANGES	FINE LINEA END OF LINE
Gas pericolosi Hazardous gases	NO	NO
Liquidi pericolosi Hazardous liquids	16 bar DN15-200 10 bar DN250	10 bar
Tutti gli altri fluidi All remaining fluids	16 bar DN15-200 10 bar DN250	10 bar

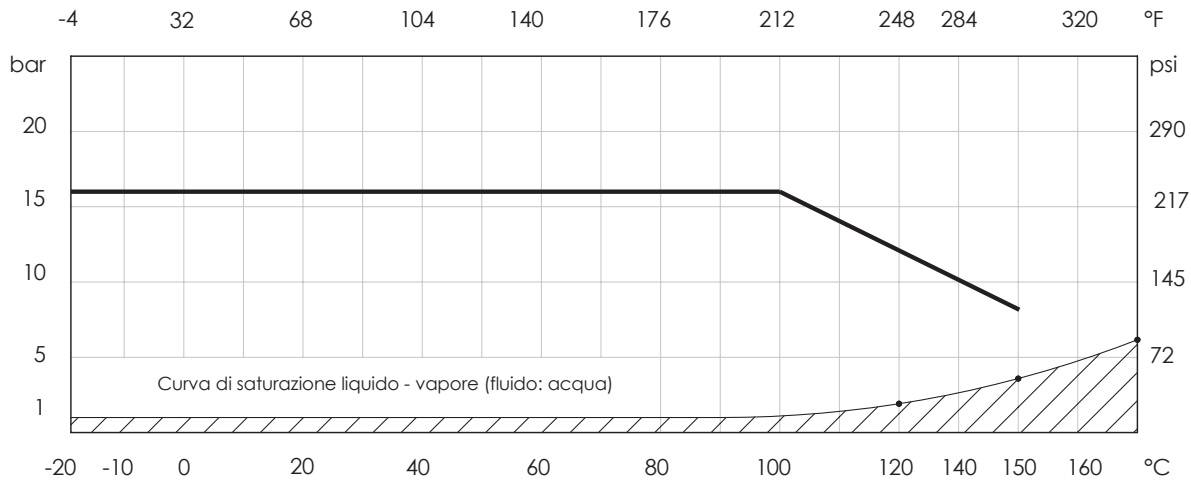
Temperature / Temperature

Temperatura Temperature	min °C	max°C - Max°C	
		continuo continuous	picco peak
FKM (Viton®)	-10	150	170

Attenzione: la pressione massima di utilizzo diminuisce con la temperatura, vedi diagramma "Pressione/Temperatura"
 NB: the maximum working pressure decreases while the temperature increases; please refer to "pressure/temperature" chart

*: gas, liquidi pericolosi (esplosivi, infiammabili, tossici) secondo 2014/68/UE e 1272/2008 (CLP)
 *: Hazardous gas, liquids (explosive, inflammable, toxic) in accordance with 2014/68/UE and 1272/2008 (CLP)

Diagramma Pressione/Temperatura - Pressure/temperature chart



NON ADATTA PER VAPORE. NON utilizzare in condizioni di temperature e pressione al di sotto della curva di saturazione liquido-vapore (area tratteggiata)
 RANGE NOT SUITABLE FOR STEAM. DO NOT use when temperature and pressure are below the liquid-steam saturation line (hatched area)

Perdite di carico Fluido: acqua (1m H₂O = 0,098bar) - Head loss Fluid: water (1m H₂O = 0,098bar)

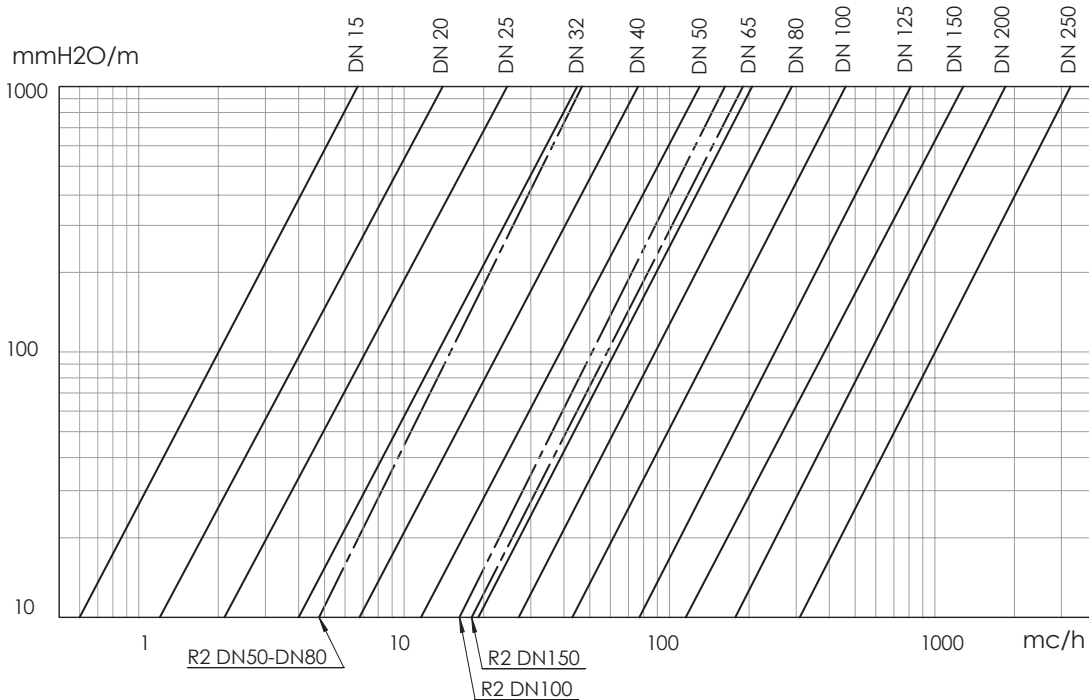


Tabella Kv - DN / Kv - DN chart

DN			15	20	25	32	40	50	65	80	100	125	150	200	250
Kv	E04	mc/h	22.3	47.7	83.5	150.4	255	435	672	947	1508	2633	4261	5957	10510
Kv	E04	mc/h						147	147	511	615				