



Valvole a sfera serie TOP
TOP ball valves
p. 136>137



Valvole a sfera in ADZ
DZR ball valves
p. 151>152



Valvole a sfera serie SMART
SMART ball valves
p. 138>139



Valvole a sfera mini
Mini ball valves
p. 153



Valvole a sfera serie STRONG
STRONG ball valves
p. 140>142



Rubinetti da giardino e serbatoio
Garden and oil barrel ball bibcocks
p. 154>155



Valvole a sfera solari
serie HELIOS
HELIOS solar ball valves
p. 143



Alimentatore automatico
Automatic filling unit
p. 156



Valvole a sfera con
bocchettone
Ball valves with pipe union
p. 143>145



Ammortizzatore colpo d'ariete
Water hammer absorber
p. 156



Valvole a sfera con girello
Ball valves with swivel nut
p. 145>146



Riduttori di pressione
Pressure reducer
p. 157



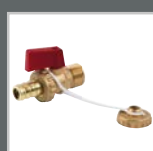
Rubinetti a sfera
Ball valve
p. 147



Valvole di ritegno e filtri
Check valves and filters
p. 158>160



Valvole a sfera con
spurgo e a 3 vie
3 ways and drain ball valves
p. 148



Rubinetti di scarico
Drain ball valves
p. 160



Valvole da incasso
Built-in valves
p. 149>150



Valvole a sfera per pompa
Isolating pump ball valves
p. 161



Valvole saracinesca
Gate valves
p. 151



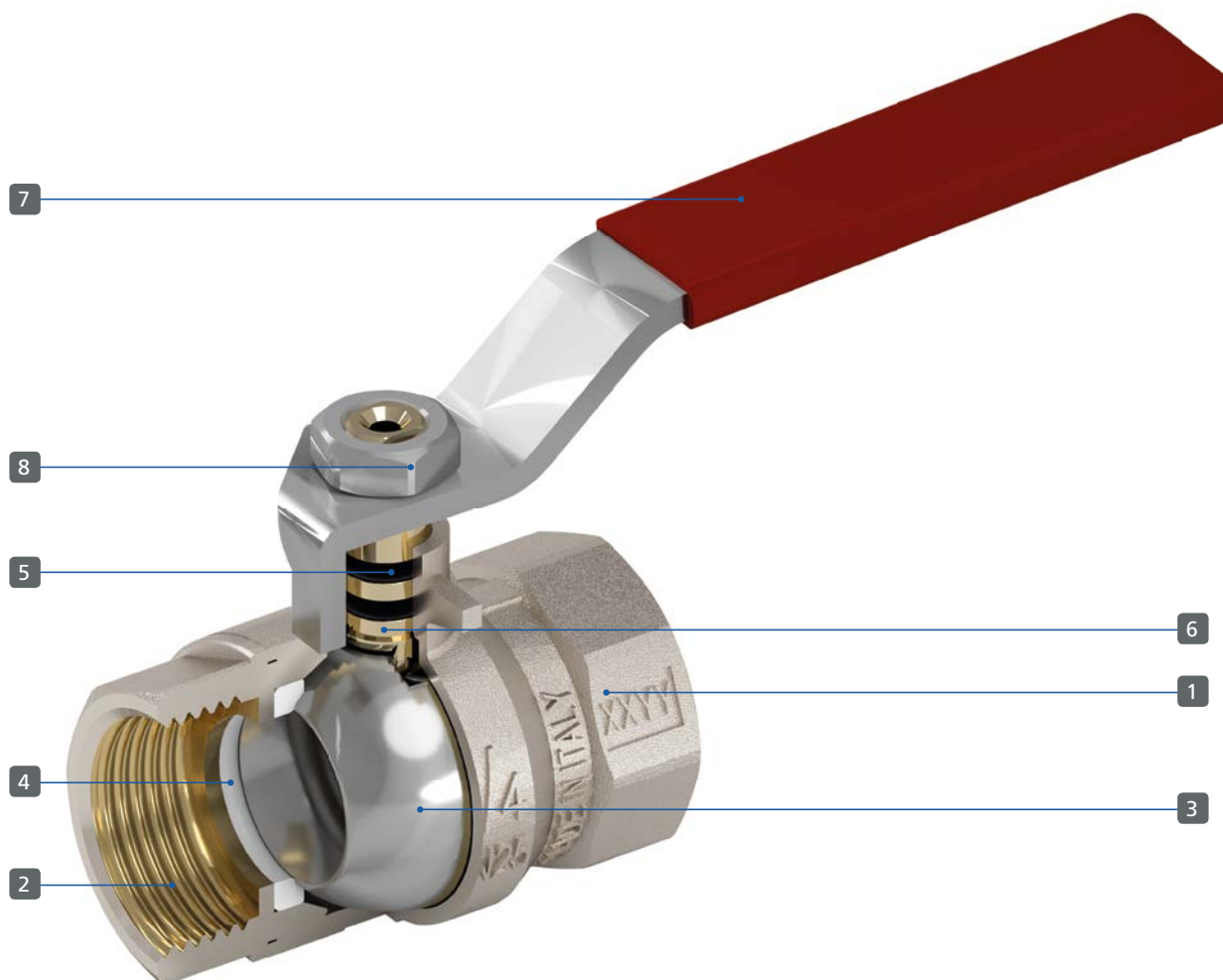
Accessori e ricambi
Accessories and spare parts
p. 161>164





VALVOLE E RUBINETTERIA PER ACQUA

VALVES FOR WATER

Valvole a sfera serie TOP
TOP ball valves

Scheda materiali | Materials

Denominazione	Pz.	Materiale
1 Corpo / Body	1	OTTONE / BRASS CW617N
2 Manicotto / Union	1	OTTONE / BRASS CW617N
3 Sfera / Ball	1	OTTONE / BRASS CW617N
4 Sede / Seat	2	PTFE
5 O-ring / O-ring	2	NBR
6 Asta / Stem	1	OTTONE / BRASS CW614N
7 Maniglia / Lever handle	1	ACCIAIO ZINCATO / ZINC COATED STEEL
8 Dado / Nut	1	ACCIAIO / STEEL

• Caratteristiche generali / General informations

Passaggio / Flow: Standard
 Temperatura d'esercizio / Working temperature: 0-110°C
 Pressione massima d'esercizio / Max working pressure: 25 bar
 Corpo in ottone stampato / Body in forged brass
 Asta anti scoppio / Anti blowing stem
 Filetti / Threads: ISO 228

Le valvole 425B - 424B e 425A - 424A nelle misure 1 1/4" - 1 1/2" - 2" sono lo stesso articolo.
 Valves 425B - 424B and 425A - 424A in sizes 1 1/4" - 1 1/2" - 2" are the same article.

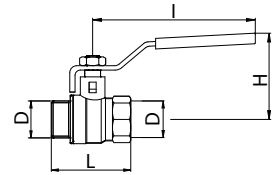
Costruite nel rispetto dei requisiti essenziali di sicurezza dettati dalla Direttiva Europea 2014/68/EU (PED).
 Made in accordance with the safety requirements laid down by European Directive 2014/68/EU (PED).



Valvola a sfera MF
PN 25 con maniglia a
leva in ferro
*MF ball valve PN 25 with
iron lever handle*
*Válvula de bola MH
PN 25 con manija de
palanca de hierro*

424B

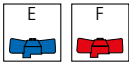
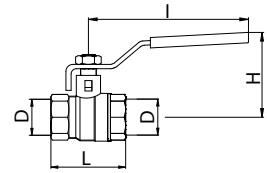
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
424B00040A		1/2"	●	-	52	93	51	4,85	12
424B00050A		3/4"	●	-	57	93	61	6,89	10
424B00060A		1"	●	-	62	112	70	10,07	6
424B00070A		1 1/4"	●	-	66	112	91	18,39	6
424B00080A		1 1/2"	●	-	77	143	101	27,05	4
424B00090A		2"	●	-	81	143	117	42,06	2



Valvola a sfera FF
PN 25 con maniglia a
leva in ferro
*FF ball valve PN 25 with
iron lever handle*
*Válvula de bola HH
PN 25 con manija de
palanca de hierro*

425B

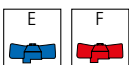
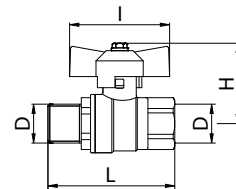
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425B00040A		1/2"	●	-	52	93	50	4,82	12
425B00050A		3/4"	●	-	57	93	56	6,43	10
425B00060A		1"	●	-	62	112	67	9,52	6
425B00070A		1 1/4"	●	-	66	112	84	17,67	6
425B00080A		1 1/2"	●	-	77	143	92	26,08	4
425B00090A		2"	●	-	81	143	106	40,92	4
425B00100A		2 1/2"	●	-	110	270	131	104,07	1
425B00110A		3"	●	-	120	270	150	143,13	1



Valvola a sfera MF
PN 25 con maniglia a
farfalla
*MF ball valve PN 25
with butterfly handle*
*Válvula de bola MH
PN 25 con manija de
mariposa*

434B

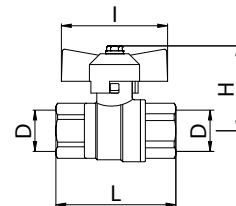
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
434B00040E		1/2"	●	-	42	46	51	4,71	20
434B00040F		1/2"	●	-	42	46	51	4,71	20
434B00050E		3/4"	●	-	45	46	61	6,69	15
434B00050F		3/4"	●	-	45	46	61	6,69	15
434B00060E		1"	●	-	51	64	70	9,78	8
434B00060F		1"	●	-	51	64	70	9,78	8



Valvola a sfera FF PN 25
con maniglia a farfalla
*FF ball valve PN 25
with butterfly handle*
*Válvula de bola HH
PN 25 con manija de
mariposa*

435B

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
435B00040E		1/2"	●	-	42	46	50	4,68	20
435B00040F		1/2"	●	-	42	46	50	4,68	20
435B00050E		3/4"	●	-	45	46	56	6,36	15
435B00050F		3/4"	●	-	45	46	56	6,36	15
435B00060E		1"	●	-	51	64	67	9,42	8
435B00060F		1"	●	-	51	64	67	9,42	8



Valvole a sfera serie SMART
SMART ball valves

Scheda materiali | Materials

Denominazione	Pz.	Materiale
1 Corpo / Body	1	OTTONE / BRASS CW617N
2 Manicotto / Union	1	OTTONE / BRASS CW617N
3 Sfera / Ball	1	OTTONE / BRASS CW617N
4 Sede / Seat	2	PTFE
5 O-ring / O-ring	2	NBR
6 Asta / Stem	1	OTTONE / BRASS CW614N
7 Maniglia / Lever handle	1	ALLUMINIO / ALUMINUM
8 Dado / Nut	1	ACCIAIO / STEEL

• Caratteristiche generali / General informations

Passaggio / Flow: Standard
 Temperatura d'esercizio / Working temperature: 0-110°C
 Pressione massima d'esercizio / Max working pressure: 30 bar
 Corpo in ottone stampato / Body in forged brass
 Asta anti scoppio / Anti blowing stem
 Filetti / Threads: ISO 228

Le valvole 425B - 424B e 425A - 424A nelle misure 1 1/4" - 1 1/2" - 2" sono lo stesso articolo.
 Valves 425B - 424B and 425A - 424A in sizes 1 1/4" - 1 1/2" - 2" are the same article.

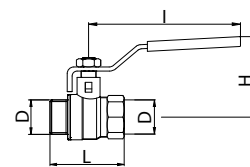
Costruite nel rispetto dei requisiti essenziali di sicurezza dettati dalla Direttiva Europea 2014/68/EU (PED).
 Made in accordance with the safety requirements laid down by European Directive 2014/68/EU (PED).



Valvola a sfera PN30
MF maniglia a leva in
alluminio
*MF ball valve PN30 with
aluminum lever handle*
*Válvula de bola PN30
MH manija de palanca
de aluminio*

424A

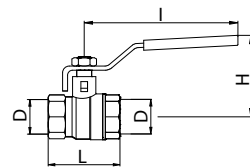
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
424A00043M		1/2"	●	-	52	93	54	5,13	12
424A00053M		3/4"	●	-	57	93	66	7,42	10
424A00063M		1"	●	-	62	112	77	10,61	6
424A00073M		1 1/4"	●	-	66	112	91	18,57	6
424A00083M		1 1/2"	●	-	77	143	101	27,32	4
424A00093M		2"	●	-	81	143	117	42,49	2



Valvola a sfera PN30
FF maniglia a leva in
alluminio
*FF ball valve PN30 with
aluminum lever handle*
*Válvula de bola PN30
HH manija de palanca
de aluminio*

425A

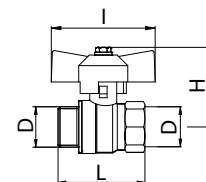
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425A00043M		1/2"	●	-	52	93	57	5,36	12
425A00053M		3/4"	●	-	57	93	63	7,14	10
425A00063M		1"	●	-	62	112	75	10,44	6
425A00073M		1 1/4"	●	-	66	112	66	17,84	6
425A00083M		1 1/2"	●	-	77	143	92	26,34	4
425A00093M		2"	●	-	81	143	106	41,33	4



Valvola a sfera PN30
MF maniglia a farfalla
*MF ball valve PN30
with butterfly handle*
*Válvula de bola PN30
MH manija de mariposa*

434A

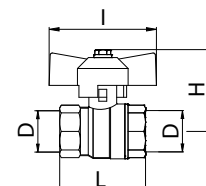
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
434A00043M		1/2"	●	-	42	54	54	5,03	20
434A00053M		3/4"	●	-	45	54	66	7,27	15
434A00063M		1"	●	-	51	64	77	10,40	8

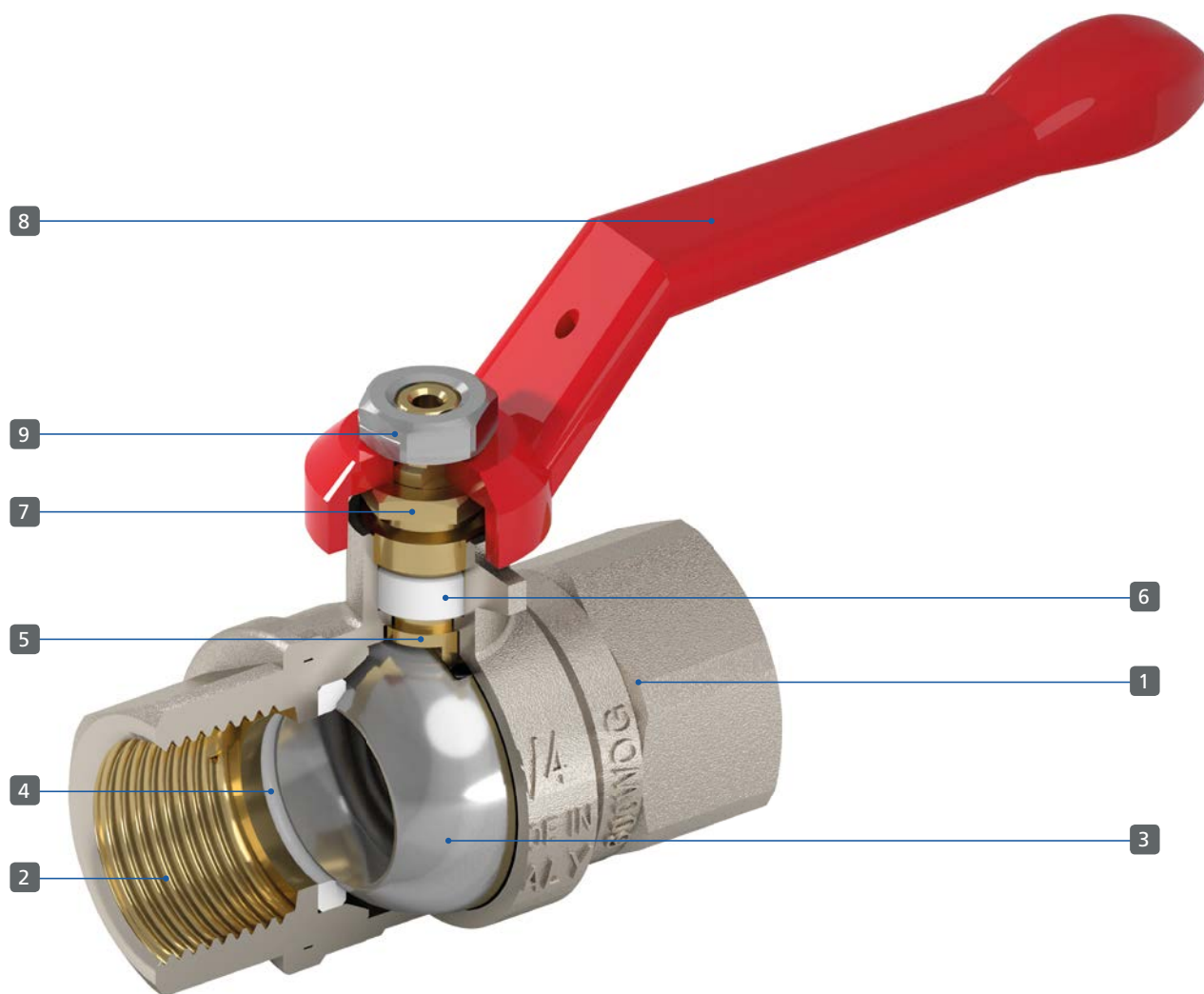


Valvola a sfera PN30
FF maniglia a farfalla
*FF ball valve PN30 with
butterfly handle*
*Válvula de bola PN30
HH manija de mariposa*

435A

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
435A00043M		1/2"	●	-	42	54	57	5,25	20
435A00053M		3/4"	●	-	45	54	63	7,00	15
435A00063M		1"	●	-	51	64	75	10,14	8



Valvole a sfera serie STRONG
STRONG ball valves

Scheda materiali | Materials

Denominazione	Pz.	Materiale
1 Corpo / Body	1	OTTONE / BRASS CW617N
2 Manicotto / Union	1	OTTONE / BRASS CW617N
3 Sfera / Ball	1	OTTONE / BRASS CW617N
4 Sede / Seat	2	PTFE
5 Asta / Stem	1	OTTONE / BRASS CW614N
6 Premistoppa / Packing nut	1	PTFE
7 Ghiera / Ring nut	1	OTTONE / BRASS CW614N
8 Maniglia / Lever handle	1	ALLUMINIO / ALUMINIUM
9 Dado / Nut	1	ACCIAIO / STEEL

• Caratteristiche generali / General informations

Passaggio / Flow: Totale / Full
 Temperatura d'esercizio / Working temperature: 0-150°C
 Pressione massima d'esercizio / Max working pressure: 40 bar
 Premistoppa / Packing nut
 Corpo in ottone stampato / Body in forged brass
 Asta anti scoppio / Anti blowing stem
 Filetti / Threads: ISO 228

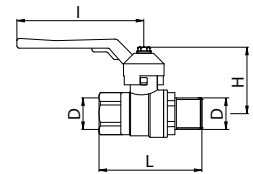
Costruite nel rispetto dei requisiti essenziali di sicurezza dettati dalla Direttiva Europea 2014/68/EU (PED).
 Made in accordance with the safety requirements laid down by European Directive 2014/68/EU (PED).



Valvola a sfera passaggio totale MF PN 40, maniglia a leva in alluminio
MF full bore ball valve PN 40 with aluminum lever handle
Válvula de bola con paso total MH PN 40, manija de palanca de aluminio

424

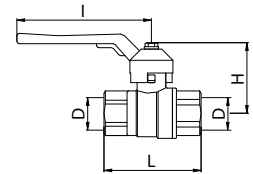
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
424000020A		1/4"	●	-	38	81	53	5,76	12
424000030A		3/8"	●	-	38	81	53	5,76	12
424000040F		1/2"	●	-	49	84	65	6,53	12
424000050F		3/4"	●	-	55	107	74	9,20	8
424000060F		1"	●	-	60	107	88	14,60	6
424000073F		1 1/4"	●	-	75	138	98	25,45	4
424000083F		1 1/2"	●	-	81	138	114	34,69	4
424000093F		2"	●	-	96	155	134	57,47	2



Valvola a sfera passaggio totale FF PN 40, maniglia a leva in alluminio
FF full bore ball valve PN 40 with aluminum lever handle
Válvula de bola con paso total HH PN 40, manija de palanca de aluminio

425

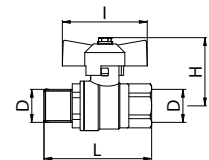
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425000020A		1/4"	●	-	38	81	46	5,45	12
425000030A		3/8"	●	-	38	81	47	5,45	12
425000040F		1/2"	●	-	49	84	60	6,36	12
425000050F		3/4"	●	-	55	107	68	8,74	8
425000060F		1"	●	-	60	107	81	13,83	6
425000073F		1 1/4"	●	-	75	138	94	24,90	4
425000083F		1 1/2"	●	-	81	138	105	33,89	4
425000093F		2"	●	-	96	155	126	55,26	2
425000100F		2 1/2"	●	-	110	270	131	120,73	1
425000110F		3"	●	-	120	270	155	182,43	1
425000120F		4"	●	-	155	320	195	332,12	1



Valvola a sfera passaggio totale MF PN 40, maniglia a farfalla
MF full bore ball valve PN 40 with butterfly handle
Válvula de bola con paso total MH PN 40, manija de mariposa

434

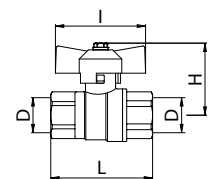
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
434000020F		1/4"	●	-	35	43	53	5,65	12
434000030F		3/8"	●	-	35	43	53	5,65	12
434000040F		1/2"	●	-	42	54	65	6,40	12
434000050F		3/4"	●	-	45	54	74	9,02	8
434000060F		1"	●	-	51	64	88	14,31	6



Valvola a sfera passaggio totale FF PN 40, maniglia a farfalla
FF full bore ball valve PN 40 with butterfly handle
Válvula de bola con paso total HH PN 40, manija de mariposa

435

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
435000020F		1/4"	●	-	35	43	47	5,34	12
435000030F		3/8"	●	-	35	43	47	5,34	12
435000040F		1/2"	●	-	42	54	61	6,17	12
435000050F		3/4"	●	-	45	54	68	8,49	8
435000060F		1"	●	-	51	64	81	13,56	6





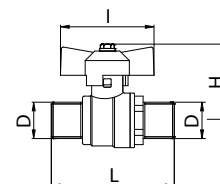
Valvola a sfera passaggio totale MM PN40, maniglia a farfalla

MM full bore ball valve PN40 with butterfly handle

Válvula de bola con paso total MM PN40 manija de mariposa

423

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
423T00040F		1/2"	●	-	42	54	58	6,43	15
423T00050F		3/4"	●	-	45	54	70	7,66	8



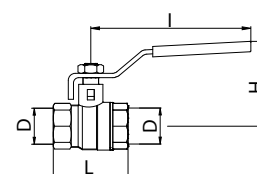
Valvola a sfera NPT FF PN 25 con maniglia a leva in ferro

FF NPT ball valve PN 25 with iron lever handle

Válvula de bola NPT HH PN 25 con manija de palanca de hierro

425B/1

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425000021A		1/4"	●	-	38	81	46	5,57	12
425000031A		3/8"	●	-	38	81	46	5,57	12
425B00041A		1/2"	●	-	52	93	57	5,57	10
425B00051A		3/4"	●	-	57	93	63	7,43	6
425B00061A		1"	●	-	62	112	75	10,86	6
425B00071A		1 1/4"	●	-	66	112	86	18,55	4
425B00081A		1 1/2"	●	-	77	143	95	27,94	4
425B00091A		2"	●	-	81	143	108	42,98	1



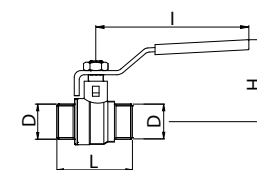
Valvola a sfera a saldare PN 25 con maniglia a leva in ferro

Solder ball valve PN 25 with iron lever handle

Válvula de bola para soldar PN 25 con manija de palanca de hierro

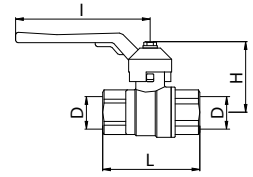
437B
Su richiesta / On request

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
437B00040A		1/2"	●	-	51	93	51	5,69	10
437B00050A		3/4"	●	-	57	93	66	7,68	5
437B00060A		1"	●	-	62	112	80	11,58	5
437000070A		1 1/4"	●	-	74	112	99	26,24	4
437000080A		1 1/2"	●	-	80	143	115	36,27	4
437000090A		2"	●	-	95	143	139	63,44	2



Valvole a sfera solari serie HELIOS | HELIOS solar ball valves

Passaggio / Flow: Totale / Full
 Temperatura d'esercizio / Working temperature: 0-180°C
 Pressione massima d'esercizio / Max working pressure: 40 bar
 Premistoppa / Packing nut
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



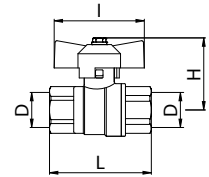
Valvola a sfera solare
 passaggio totale FF
 PN 40, maniglia a leva
 in alluminio

*FF solar full bore ball
 valve PN 40 with
 aluminum lever handle*

*Válvula de bola solar
 con paso total HH PN 40,
 manija de palanca de
 aluminio*


425 S

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425S00043M		1/2"	●	-	49	84	60	7,05	12
425S00053M		3/4"	●	-	55	107	68	9,81	8



Valvola a sfera solare
 passaggio totale FF
 PN 40, maniglia a farfalla

*FF solar full bore ball
 valve PN 40 with
 butterfly handle*

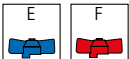
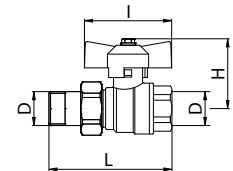
*Válvula de bola solar
 con paso total HH PN 40,
 manija de mariposa*


435 S

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
435S00043M		1/2"	●	-	42	54	61	6,98	12
435S00053M		3/4"	●	-	45	54	68	9,72	8

Valvole a sfera con bocchettone | Ball valves with pipe union

Temperatura d'esercizio / Working temperature: 0-110°C
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



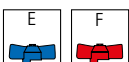
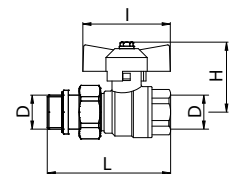
Valvola a sfera MF con
 bocchettone PN 25,
 maniglia a farfalla

*Pipe union MF ball valve
 PN 25 with butterfly
 handle*

*Válvula de bola MH
 PN 25 con enlace,
 manija de mariposa*

422B

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422B00040E		1/2"	●	-	42	54	80	7,11	12
422B00040F		1/2"	●	-	42	54	80	7,11	12
422B00050E		3/4"	●	-	45	54	87	10,26	8
422B00050F		3/4"	●	-	45	54	87	10,26	8
422B00060E		1"	●	-	51	64	100	15,32	5
422B00060F		1"	●	-	51	64	100	15,32	5
422B00070E		1 1/4"	●	-	54	70	126	26,49	4
422B00070F		1 1/4"	●	-	54	70	126	26,49	4



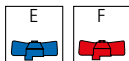
Valvola a sfera MF PN
 25 con bocchettone,
 maniglia a farfalla

*Pipe union and metal
 ring MF ball valve PN 25
 with butterfly handle*

*Válvula de bola MH
 con PN 25 con enlace,
 manija de mariposa*

422BC

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422BC004AE	O-RING	1/2"	●	-	42	54	80	8,07	12
422BC004AF	O-RING	1/2"	●	-	42	54	80	8,07	12
422BC005AE	O-RING	3/4"	●	-	45	54	87	11,00	8
422BC005AF	O-RING	3/4"	●	-	45	54	87	11,00	8
422BC006AE	O-RING	1"	●	-	51	64	100	16,56	5
422BC006AF	O-RING	1"	●	-	51	64	100	16,56	5



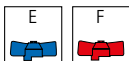
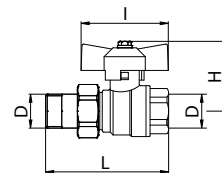
Valvola a sfera MF
passaggio totale con
bocchettone PN 40,
maniglia a farfalla

*Pipe union, MF full bore
ball valve PN 40 with
butterfly handle*

*Válvula de bola MF
con paso total PN 40,
con enlace, manija de
mariposa*

422

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422000040E		1/2"	●	-	42	54	77	8,10	12
422000040F		1/2"	●	-	42	54	77	8,10	12
422000050E		3/4"	●	-	45	54	89	11,97	8
422000050F		3/4"	●	-	45	54	89	11,97	8
422000060E		1"	●	-	51	64	100	18,36	5
422000060F		1"	●	-	51	64	100	18,36	5



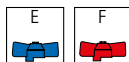
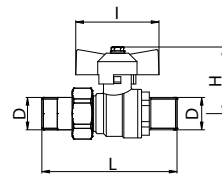
Valvola a sfera MM
passaggio totale con
bocchettone PN 40,
maniglia a farfalla

*Pipe union, MM full bore
ball valve PN 40 with
butterfly handle*

*Válvula de bola MM
con paso total PN 40,
con enlace, manija de
mariposa*

421

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
421000040E		1/2"	●	-	42	54	85	8,12	12
421000040F		1/2"	●	-	42	54	85	8,12	12
421000050E		3/4"	●	-	45	54	98	12,73	8
421000050F		3/4"	●	-	45	54	98	12,73	8
421000060E		1"	●	-	51	64	112	18,93	5
421000060F		1"	●	-	51	64	112	18,93	5



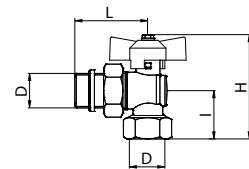
Valvola a sfera ad angolo
MF con bocchettone
PN25, maniglia a farfalla

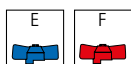
*Angle MF ball valve
PN25 with pipe union,
butterfly handle*

*Válvula de bola de
esquadra MF PN25
con enlace, manija de
mariposa*

422R

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422R00040E	O-RING	1/2"	●	-	78	55,5	36	10,56	12
422R00040F	O-RING	1/2"	●	-	78	55,5	36	10,56	12
422R00050E	O-RING	3/4"	●	-	83	39	65	14,55	8
422R00050F	O-RING	3/4"	●	-	83	39	65	14,55	8
422R00060E	O-RING	1"	●	-	90	42,5	69	18,78	5
422R00060F	O-RING	1"	●	-	90	42,5	69	18,78	5

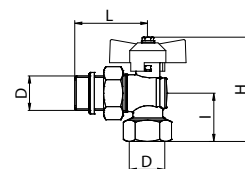




Valvola a sfera ad angolo MM con bocchettone PN25, maniglia a farfalla

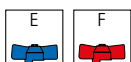
Angle MM ball valve PN25 with pipe union, butterfly handle

Válvula de bola de esquadra MM PN25 con enlace, manija de mariposa



422T

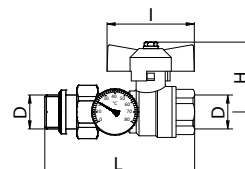
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422T00060E	O-RING	1"	●	-	78	55,5	36	19,16	5
422T00060F	O-RING	1"	●	-	78	55,5	36	19,16	5



Valvola a sfera MF con bocchettone PN25 e termometro, scala 0 - 80°C, maniglia a farfalla

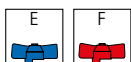
MF brass ball valve PN25 with pipe union, thermometer, range 0 - 80°C, butterfly handle

Válvula de bola MH PN25 con enlace, termómetro, de 0 - 80°C incorporado, manija de mariposa



422M

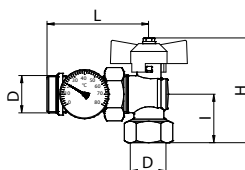
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422MC0060E	O-RING	1"	●	-	51	64	118	25,03	5
422MC0060F	O-RING	1"	●	-	51	64	118	25,03	5
422MC0070E	O-RING	1 1/4"	●	-	54	70	164	36,89	2
422MC0070F	O-RING	1 1/4"	●	-	54	70	164	36,89	2



Valvola a sfera ad angolo MF con bocchettone PN25, termometro, scala 0 - 80°C, maniglia a farfalla

Angle ball valve MF PN25 with pipe union, thermometer, range 0 - 80°C, butterfly handle

Válvula de bola de escuadra MH PN25 con enlace, termómetro, de 0 - 80°C incorporado, manija de mariposa

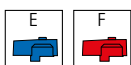


422RM

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
422RM0060E	O-RING	1"	●	-	90	42,5	94	26,55	5
422RM0060F	O-RING	1"	●	-	90	42,5	94	26,55	5

Valvole a sfera con girello | Ball valves with swivel nut

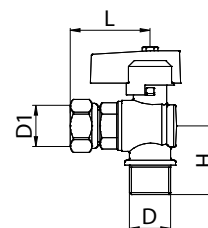
Temperatura d'esercizio / Working temperature: 0-110°C
Corpo in ottone stampato / Body in forged brass
Filetti / Threads: ISO 228



Rubinetto a sfera a squadra, attacco maschio con girello femmina

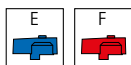
Angle ball valve with male connection and female sliding nut

Llave de bola escuadra empalme macho con tuerca girable hembra



526

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
526004040E		1/2"	●	1/2"	35	-	39	8,00	10
526004040F		1/2"	●	1/2"	35	-	39	8,00	10
526004050E		1/2"	●	3/4"	35	-	39	8,20	10
526004050F		1/2"	●	3/4"	35	-	39	8,20	10
526005050E		3/4"	●	3/4"	36	-	42	9,93	10
526005050F		3/4"	●	3/4"	36	-	42	9,93	10



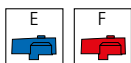
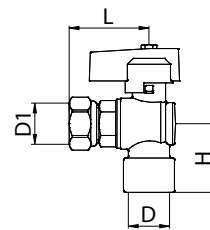
Rubinetto a sfera a squadra, attacco e girello femmina

Angle ball valve with female connection and sliding nut

Llave de bola de escuadra empalme y tuerca girable hembra

527

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
527004040E		1/2"	●	1/2"	34	-	39	8,11	10
527004040F		1/2"	●	1/2"	34	-	39	8,11	10
527004050E		1/2"	●	3/4"	34	-	39	8,36	10
527004050F		1/2"	●	3/4"	34	-	39	8,36	10
527005050E		3/4"	●	3/4"	36	-	42	10,39	10
527005050F		3/4"	●	3/4"	36	-	42	10,39	10



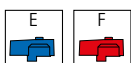
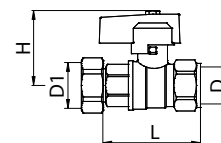
Rubinetto a sfera con girello e attacco femmina

Ball valve with female connection and sliding nut

Llave de bola con empalme y tuerca girable hembra

528

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
528004040E		1/2"	●	1/2"	44	-	68	7,79	10
528004040F		1/2"	●	1/2"	44	-	68	7,79	10
528004050E		1/2"	●	3/4"	44	-	69	8,02	10
528004050F		1/2"	●	3/4"	44	-	69	8,02	10
528005050E		3/4"	●	3/4"	42	-	73	9,10	10
528005050F		3/4"	●	3/4"	42	-	73	9,10	10
528005060E		3/4"	●	1"	45	-	85	13,13	8
528005060F		3/4"	●	1"	45	-	85	13,13	8



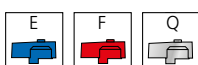
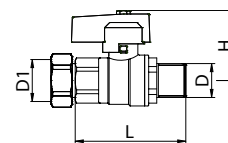
Rubinetto a sfera attacco maschio con girello femmina

Ball valve with male connection and female sliding nut

Llave de bola empalme macho y tuerca girable hembra

528M

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
528M04040E		1/2"	●	1/2"	44	-	68	7,69	10
528M04040F		1/2"	●	1/2"	44	-	68	7,69	10
528M04050E		1/2"	●	3/4"	44	-	69	7,95	10
528M04050F		1/2"	●	3/4"	44	-	69	7,95	10
528M05050E		3/4"	●	3/4"	42	-	76	9,05	10
528M05050F		3/4"	●	3/4"	42	-	76	9,05	10
528M05060E		3/4"	●	1"	45	-	91	12,99	8
528M05060F		3/4"	●	1"	45	-	91	12,99	8



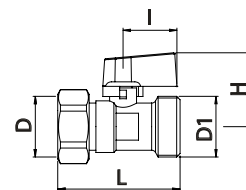
Valvola a sfera MF con girello Eurocono

MF ball valve with sliding nut Euroconus

Valvula esferica MH con tuerca girable Eurocono

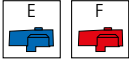
841

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
841000050E		3/4"	●	3/4"	33	24	55	6,32	25
841000050F		3/4"	●	3/4"	33	24	55	6,32	25
841000050Q		3/4"	●	3/4"	33	24	55	6,32	25



Rubinetti a sfera | Ball valve

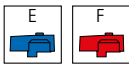
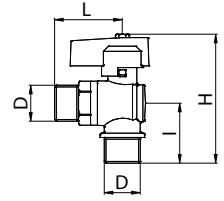
Passaggio / Flow: standard
 Temperatura d'esercizio / Working temperature: 0 - 110°C
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



Rubinetto a sfera
 a squadra MM
MM angle ball valve
Llave de bola escuadra
MM

508

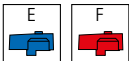
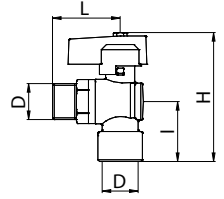
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
508000042E		1/2"	●	-	73	35	34	6,87	15
508000042F		1/2"	●	-	73	35	34	6,87	15
508000050E		3/4"	●	-	80	36	35	8,36	10
508000050F		3/4"	●	-	80	36	35	8,36	10



Rubinetto a sfera
 a squadra MF
MF angle ball valve
Llave de bola escuadra
MF

509

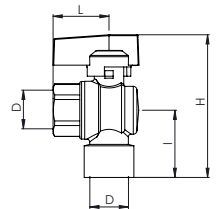
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
509000040E		1/2"	●	-	72	35	34	7,11	15
509000040F		1/2"	●	-	72	35	34	7,11	15
509000050E		3/4"	●	-	80	36	35	8,53	10
509000050F		3/4"	●	-	80	36	35	8,53	10



Rubinetto a sfera
 a squadra FF
FF angle ball valve
Llave de bola escuadra
HH

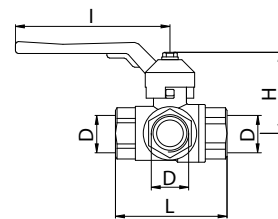
529

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
529000040E		1/2"	●	-	78	36	27	8,02	10
529000040F		1/2"	●	-	78	36	27	8,02	10
529000050E		3/4"	●	-	83	39	31	11,63	5
529000050F		3/4"	●	-	83	39	31	11,63	5



Valvole a sfera con spurgo, a 3 vie e a pressione | 3 ways, drain and press ball valves

Temperatura d'esercizio / Working temperature: 0 - 110°C
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



Valvola a sfera femmina a tre vie PN40, manovra a L.

3 outlets female ball valve PN40, L-handle.

Válvula de bola hembra de 3 vías PN40, maniobra en L

4253L

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4253L0040F		1/2"	●	-	65	125	77	31,59	4
4253L0050F		3/4"	●	-	83	145	92	48,44	2
4253L0060F		1"	●	-	96	170	104	72,05	2
4253L0070F		1 1/4"	●	-	102	170	118	108,57	2
4253L0080F		1 1/2"	●	-	109	170	138	155,07	2
4253L0090F		2"	●	-	139	260	162	233,13	2

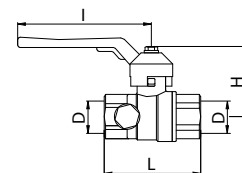
Valvola a sfera femmina a tre vie PN40, manovra a T.

3 outlets female ball valve PN40, T-handle.

Válvula de bola hembra de 3 vías PN40, maniobra en T

4253T

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4253T0040F		1/2"	●	-	65	125	77	31,59	4
4253T0050F		3/4"	●	-	83	145	92	48,44	2
4253T0060F		1"	●	-	96	170	104	72,05	2
4253T0070F		1 1/4"	●	-	102	170	118	108,57	2
4253T0080F		1 1/2"	●	-	109	170	138	155,07	2
4253T0090F		2"	●	-	139	260	162	233,13	2



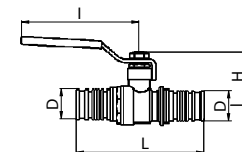
Valvola a sfera FF PN25 con spurgo, maniglia a leva in ferro

FF ball valve PN25 with drain and iron lever handle

Válvula de bola HH PN25 con purgador y manija de palanca de hierro

433

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
433000040F		1/2"	●	1/4"	49	84	58	8,05	12
433000050F		3/4"	●	1/4"	55	107	63	9,62	12
433000060F		1"	●	1/4"	60	107	73	19,80	6
433000070F		1 1/4"	●	1/4"	75	138	86	29,17	4
433000080F		1 1/2"	●	1/4"	81	138	93	40,60	4
433000090F		2"	●	1/4"	96	155	112	61,46	2



Valvola a sfera a pressione per tubo multistrato con maniglia a leva in ferro

Press ball valve for multilayer pipe, iron lever handle

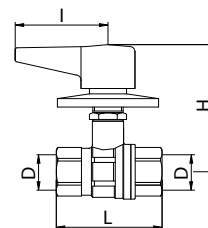
Válvula de bola a prensar para tubo multicapa con manija cromada

438P

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
438P00160A		16	●	-	42	54	62	11,65	8
438P00200A		20	●	-	45	54	70	11,80	8
438P00260A		26	●	-	45	54	70	12,78	8

Valvole da incasso | Build-in valves

Temperatura d'esercizio / Working temperature: 0 - 100°C
 Pressione massima d'esercizio / Max working pressure: 40 bar
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



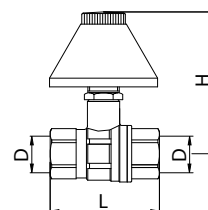
Valvola a sfera FF
 incasso, con maniglia a
 leva cromata

*Built-in FF ball valve with
 chromed lever handle*

*Válvula de bola HH a
 encastrar con manija de
 palanca cromada*

428

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4280000400		1/2"	●	-	78	54	59	12,51	8
4280000500		3/4"	●	-	85	54	69	15,49	5



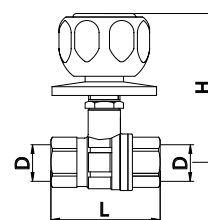
Valvola a sfera FF incasso
 con cappuccio cromato

*Built-in FF ball valve with
 chromed cap*

*Válvula de bola HH a
 encastrar con capuchón
 cromado*

429

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4290000400		1/2"	●	-	75/90	-	59	12,24	10
4290000500		3/4"	●	-	77/92	-	69	14,99	5



Valvola a sfera FF incasso
 con maniglia cromata

*Built-in FF ball valve with
 chromed handle*

*Válvula de bola HH a
 encastrar con manija
 cromada*

430

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4300000400		1/2"	●	-	79	-	59	13,49	8
4300000500		3/4"	●	-	85	-	69	16,37	6



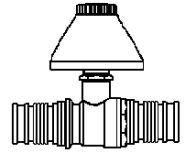
Rubinetto incasso a pressare per tubo multistrato con cappuccio cromato

Built-in press valve for multilayer pipe, with chromed cap

Válvula a encastrar a prensar para tubo multicapa con capuchon cromado

429P

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
429P002000		20	●	-	-	-	-	17,12	5



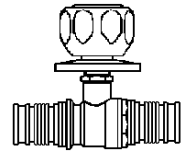
Rubinetto incasso a pressare per tubo multistrato con maniglia cromata

Built-in press valve for multilayer pipe, with chromed handle

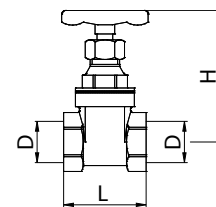
Válvula a encastrar a prensar para tubo multicapa con manija cromada

430P

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
430P002000		20	●	-	-	-	-	17,95	6



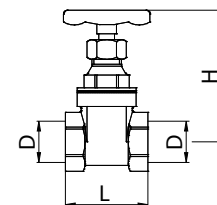
Valvole saracinesca | Gate valves

 Temperatura d'esercizio / Working temperature: 0-80°C
 Filetti / Threads: ISO 228


Saracinesca FF PN20
 FF gate valve PN20
 Cierre HH PN20

445

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4450000300		3/8"	●	-	67	-	33	6,57	20
4450000400		1/2"	●	-	68	-	43	7,42	20
4450000500		3/4"	●	-	78	-	47	10,30	20
4450000600		1"	●	-	93	-	53	14,39	20
4450000700		1 1/4"	●	-	108	-	57	20,68	10
4450000800		1 1/2"	●	-	125	-	61	27,18	10
4450000900		2"	●	-	143	-	67	39,71	5
4450001000		2 1/2"	●	-	175	-	74	64,48	1
4450001100		3"	●	-	200	-	86	85,51	1
4450001200		4"	●	-	235	-	98	152,19	1

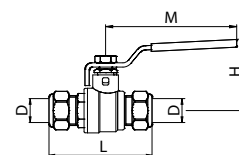


Saracinesca FF PN10
 FF gate valve PN10
 Cierre PN10

446

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4460000300		3/8"	●	-	67	-	33	6,57	20
4460000400		1/2"	●	-	68	-	35	5,84	20
4460000500		3/4"	●	-	68	-	39	6,46	20
4460000600		1"	●	-	80	-	43	9,29	10
4460000700		1 1/4"	●	-	86	-	48	14,41	10
4460000800		1 1/2"	●	-	107	-	54	18,32	5
4460000900		2"	●	-	134	-	58	27,94	5
4460001000		2 1/2"	●	-	175	-	64	56,60	1
4460001100		3"	●	-	200	-	74	73,54	1
4460001200		4"	●	-	235	-	84	127,17	1

Valvole a sfera in ADZ | DZR ball valves

 Temperatura d'esercizio / Working temperature: 0-110°C
 Pressione massima d'esercizio / Max working pressure: 25 bar (art. 425BZ – 438)
 Pressione massima d'esercizio / Max working pressure: 16 bar (art. 537E – 560E)
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228


Valvola a sfera tuborame,
 in ADZ a compressione con
 maniglia a leva in ferro
 DZR brass ball valve cop-
 per to copper compres-
 sion, iron lever handle
 Válvula de bola de ADZ
 empalmes tubo de cobre,
 de compresion, con mani-
 ja de palanca de hierro

438

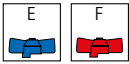
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
43800003AA		12	●	-	40	84	69	7,99	10
43800004AA		15	●	-	40	84	70	8,31	10
43800004AA		18	●	-	40	84	72	8,55	10
43800005AA		22	●	-	55	92,5	74	10,85	5
43800006AA		28	●	-	61	112	84	18,02	4



Valvola a sfera FF PN25 in ADZ con maniglia a leva in ferro

FF DZR brass ball valve PN25, iron lever handle

Válvula de bola HH PN25, de ADZ con manija de palanca de hierro



Valvola a sfera FF PN25 in ADZ con maniglia a farfalla

FF DZR brass ball valve PN25, butterfly handle

Válvula de bola HH PN25, de ADZ con manija de mariposa



Valvola a sfera a pressione profilo "V" in ottone ADZ con maniglia a leva in ferro

DZR Brass ball valve with press-fit ends "V" profile, iron lever handle

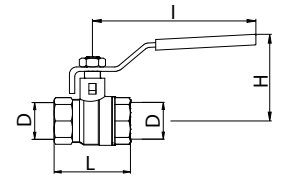
Válvula de bola de ADZ a pensar perfilo "V" y manija de palanca de hierro



Valvola a sfera a pressione profilo "V" e filetto femmina in ottone ADZ con maniglia a leva in ferro

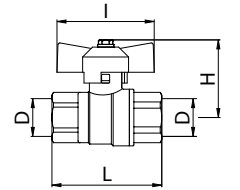
DZR Brass ball valve with press-fit end "V" profile and female thread, iron lever handle

Válvula de bola de ADZ a pensar perfilo "V", empalme hembra y manija de palanca de hierro



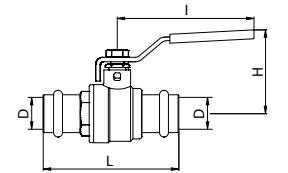
425BZ

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
425B0003ZA		3/8"	●	-	38	81	47,5	5,60	12
425B0004ZA		1/2"	●	-	52	93	50	5,71	12
425B0005ZA		3/4"	●	-	57	93	57	7,84	10
425B0006ZA		1"	●	-	62	112	68	11,95	6
425B0007ZA		1 1/4"	●	-	66	112	84	21,84	6
425B0008ZA		1 1/2"	●	-	77	143	93,5	31,44	4
425B0009ZA		2"	●	-	81	143	108	47,82	4



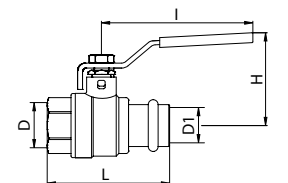
435BZ

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
435B0004ZE		1/2"	●	-	38	54	50	5,60	20
435B0004ZF		1/2"	●	-	38	54	50	5,60	20
435B0005ZE		3/4"	●	-	45	54	56	7,69	15
435B0005ZF		3/4"	●	-	45	54	56	7,69	15
435B0006ZE		1"	●	-	51	64	67	11,72	8
435B0006ZF		1"	●	-	51	64	67	11,72	8



537E

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
537E00030A		12	●	-	52	93	78	7,88	10
537E00040A		15	●	-	52	93	78	8,12	10
537E00048A		18	●	-	52	93	78	9,16	10
537E00050A		22	●	-	56	93	92	11,89	8
537E00060A		28	●	-	67	112	98	17,00	5
537E00070A		35	●	-	70	112	109	22,63	4
537E00080A		42	●	-	78	143	132	33,36	4
537E00090A		54	●	-	86	143	163	52,60	2



560E

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
560E00030A		3/8"	●	12	52	93	61	8,36	10
560E00040A		1/2"	●	15	52	93	66	8,36	10
560E00058A		3/4"	●	18	52	93	66	8,91	10
560E00050A		3/4"	●	22	56	93	76,5	10,92	8
560E00060A		1"	●	28	67	112	86	15,71	5
560E00070A		1 1/4"	●	35	70	112	92	21,24	4
560E00080A		1 1/2"	●	42	78	143	110	29,97	4
560E00090A		2"	●	54	86	143	132,5	47,84	2

Valvole a sfera mini | Mini ball valves

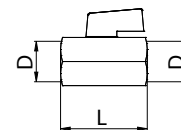
Temperatura d'esercizio / Working temperature: 0-90°C
 Pressione massima d'esercizio / Max working pressure: 16bar
 Corpo in ottone da barra / Body in bar brass (art. 426 - 427)
 Corpo in ottone stampato / Body in forged brass (art. 427G - 828 - 829)
 Filetti / Threads: ISO 228



Valvola a sfera FF "MINI"
 con leva in plastica
*"MINI" FF ball valve with
 plastic handle*
 Válvula de bola HH
*"MINI" con manija de
 plastico*

426

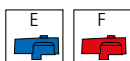
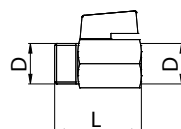
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4260000100		1/8"	●	-	-	-	39	3,99	30
4260000200		1/4"	●	-	-	-	39	3,99	30
4260000300		3/8"	●	-	-	-	42	3,99	30
4260000400		1/2"	●	-	-	-	47	4,60	25



Valvola a sfera MF
 "MINI" con leva in
 plastica
*"MINI" MF ball valve
 with plastic handle*
 Válvula de bola MH
*"MINI" con manija de
 plastico*

427

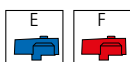
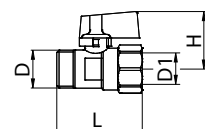
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4270000100		1/8"	●	-	-	-	39	3,84	30
4270000200		1/4"	●	-	-	-	39	3,84	30
4270000300		3/8"	●	-	-	-	42	3,70	30
4270042500		1/2"	●	-	-	-	47	4,51	25



Valvola a sfera
 stampata MINI MF,
 leva in alluminio
*MINI MF forged brass
 ball valve lever aluminium
 handle*
 Válvula de bola
 moldeada MH MINI,
 manija aluminio

427G

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
427G00040A		1/2"	●	1/2"	21,5	-	47	4,19	25
427GN0040A		1/2"	●	1/2"	21,5	-	47	4,36	25
427G00040D		1/2"	●	1/2"	21,5	-	47	4,19	25
427GN0040D		1/2"	●	1/2"	21,5	-	47	4,36	25

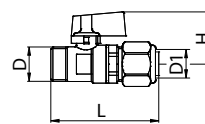


Valvola a sfera con
 attacco maschio, leva in
 alluminio
*Ball valve male
 connection, lever
 aluminium handle*
 Válvula de bola empalme
 M, manija aluminio

828

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
828000253E		1/2"	●	16X2	33	-	59	6,38	25
828000253F		1/2"	●	16X2	33	-	59	6,38	25
828000259E		1/2"	●	18X2	33	-	59	6,67	25
828000259F		1/2"	●	18X2	33	-	59	6,67	25

Per tubo Pex - For Pex pipe - Para tubo Pex

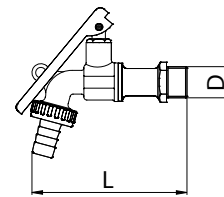

829

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
829000253E		1/2"	●	16X2	33	-	61	6,72	25
829000253F		1/2"	●	16X2	33	-	61	6,72	25

Per tubo multistrato - For multilayer tube - Para tubo multicapa

Rubinetti da giardino e serbatoio | Garden and oil barrel ball bibcocks

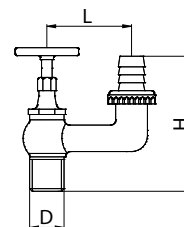
Temperatura d'esercizio / Working temperature: 0-100°C
 Pressione massima d'esercizio / Max working pressure: 10 bar
 Corpo in ottone stampato / Body in forged brass
 Filetti / Threads: ISO 228



Rubinetto a sfera per serbatoio con portagomma
Oil barrel ball bibcock with hose connection
Llave de bola para tanque con conexión para tubo de goma

479

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4790000400		1/2"	●	3/4"	-	-	102	9,61	8
4790000500		3/4"	●	3/4"	-	-	102	10,63	8



Idrante da giardino
Garden cock
Boca de riego de jardín

498

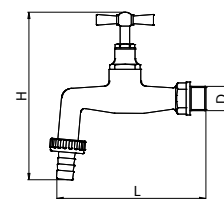
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4980000400		1/2"	●	-	82	-	57	14,03	12
4980000500		3/4"	●	-	91	-	60	17,23	10



Rubinetto curvo lucido con portagomma
Hose bibcock, polished brass
Llave curva con conexión para tubo de goma brillante

484

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4840000400		1/2"	●	-	130	-	118	14,28	10
4840C00400		1/2"	●	-	130	-	118	15,02	10
4840000500		3/4"	●	-	145	-	122	20,38	5
4840C00500		3/4"	●	-	145	-	122	21,70	5





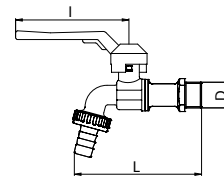
Rubinetto a sfera curvo con portagomma, maniglia a leva in alluminio, tipo pesante

Heavy pattern ball bibcock with hose connection, aluminum lever handle

Llave de bola curva con conexión para tubo de goma, manija de palanca de aluminio, tipo pesado

485

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
485000030F		3/8"	●	3/4"	-	84	101	8,17	6
485000040F		1/2"	●	3/4"	-	84	102	7,42	6
485000050F		3/4"	●	1"	-	84	115	9,82	6
485000060F		1"	●	1 1/4"	-	88	138	17,52	5



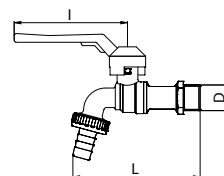
Rubinetto a sfera curvo con portagomma, maniglia a leva in alluminio

Ball bibcock with hose connection, aluminum lever handle

Llave de bola curva con conexión para tubo de goma, manija de palanca de aluminio

4851

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
485100040F		1/2"	●	3/4"	-	86	98	6,77	10



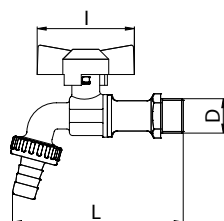
Rubinetto a sfera curvo con portagomma, maniglia a farfalla, tipo pesante

Heavy pattern ball bibcock with hose connection, butterfly handle

Llave de bola curva con conexión para tubo de goma, manija de mariposa, tipo pesado

487

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
487000040F		1/2"	●	3/4"	-	54	102	7,42	6
487000050F		3/4"	●	1"	-	54	115	9,82	6
487000060F		1"	●	1 1/4"	-	88	138	17,52	6



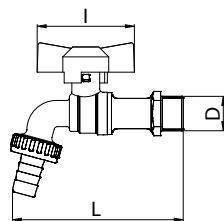
Rubinetto a sfera curvo con portagomma, maniglia a farfalla

Ball bibcock with hose connection, butterfly handle

Llave de bola curva con conexión para tubo de goma, manija de mariposa

4871

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
487100040F		1/2"	●	3/4"	-	54	98	6,63	10



Alimentatore automatico | Automatic filling unit

Pressione massima di esercizio / Max working pressure: 10 bar
 Temperatura massima di esercizio / Max working temperature: 80°C
 Campo di regolazione a valle / Downstream pressure regulation: 1-4 bar
 Filetti / Threads : ISO 228
 Attacco manometro / Manometer connection: 1/4"

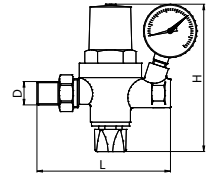
Il gruppo di alimentazione assolve alla funzione di controllo, regolazione e ripristino automatico della pressione negli impianti a circuito chiuso. Il gruppo viene fornito con una preregolazione a 1,5 bar. Filtro, rubinetto d'arresto e dispositivo di non ritorno integrati.
 The filling unit is used to control, regulate and automatic reset pressure in closed systems. The filling unit is presetted to 1,5 bar. Built-in filter, shut off valve and check valve integrated.



Alimentatore automatico con manometro
Automatic filling unit with manometer
 Alimentador automático con manómetro

449

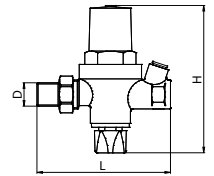
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4490000400		1/2"	●	-	140	-	122	40,38	1



Alimentatore automatico
Automatic filling unit
 Alimentador automático

449 S

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
449S000400		-	●	-	140	-	122	34,90	1



Ammortizzatore per colpo d'ariete | Water hammer absorber

Pressione massima di esercizio / Max working pressure: 10 bar
 Pressione massima colpo d'ariete / Max hammer pressure: 50 bar
 Temperatura di esercizio / Working temperature: 0-90°C
 Filetti / Threads : ISO 228

La valvola è un dispositivo utilizzato per assorbire i colpi d'ariete che si generano all'interno dell'impianto domestico.
 The valve is a device used to absorb water hammer effects that are generated inside the domestic water system.



Ammortizzatore per colpo d'ariete
Water hammer absorber
 Amortiguador golpe de ariete

745

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
7450000400		1/2"	●	-	93	-	51	23,40	1

Riduttori di pressione | Pressure reducers

Preregolazione / Pre setting: 3 bar
 Campo di regolazione / Outlet settings: 0,5-6 bar (Art. 746 1/2" - 3/4" - 1")
 Campo di regolazione / Outlet settings: 1-5,5 bar (Art. 746 1 1/4" - 1 1/2" - 2" - Art. 747)
 Temperatura di esercizio / Working temperature: 0°C (escluso ghiaccio / excluding ice) - 80°C
 Filetti / Threads: ISO 228
 Attacco manometro / Manometer connection: 1/4"

Il riduttore di pressione è una valvola automatica che riduce e stabilizza la pressione di un fluido all'interno di una condotta di distribuzione in base al valore preimpostato. / Pressure reducing valve is an automatic valve that reduces and stabilizes the pressure of a fluid in a water distribution conduit according to a preset value.

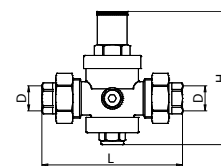
Per un corretto funzionamento del riduttore è importante prevedere l'installazione di un filtro a monte. Inoltre sarebbe ideale installare delle valvole di chiusura a monte e a valle del riduttore per facilitare le operazioni di manutenzione. / For a correct use of the pressure reducer is important to install a filter on the upstream side. Besides it would be better to install shut-off valves upstream and downstream of the pressure reducing valve, to facilitate the maintenance operations.



Riduttore di pressione sede inox PN25

Pressure reducer, inox seal PN25

Reductor de presión con racores PN25


746

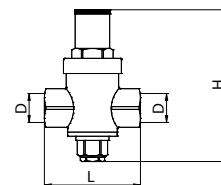
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
7460000400		1/2"	●	-	120	-	112	35,33	1
7460000500		3/4"	●	-	160	-	135	61,64	1
7460000600		1"	●	-	166	-	140	70,33	1
7460000700		1 1/4"	●	-	220	-	170	121,29	1
7460000800		1 1/2"	●	-	220	-	170	130,24	1
7460000900		2"	●	-	250	-	200	178,75	1



Riduttore di pressione PN 16

Pressure reducer PN16

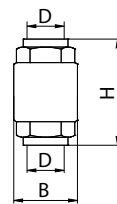
Reductor de presión PN16


747

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
7470000400		1/2"	●	-	89	-	49	19,78	1
7470000500		3/4"	●	-	94	-	50	21,81	1

Valvole di ritegno e filtri | Check valves and filters

Temperatura d'esercizio / Working temperature: 0-100°C
 Corpo in ottone / Body in brass
 Filetti / Threads: ISO 228



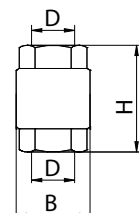
Valvola di ritegno PN25,
tenuta in acciaio inox

*Brass check valve PN25,
plate in stainless steel*

*Válvula de retención
PN25, junta de acero
inoxidable*

442

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4420000300		3/8"	●	-	55	-	34	6,95	10
4420000400		1/2"	●	-	58	-	34	6,99	10
4420000500		3/4"	●	-	65	-	42	9,52	8
4420000600		1"	●	-	74	-	48	12,92	6
4420000700		1 1/4"	●	-	83	-	60	20,54	4
4420000800		1 1/2"	●	-	93	-	71	27,75	4
4420000900		2"	●	-	101	-	87	42,58	2
4420001000		2 1/2"	●	-	122	-	120	98,23	1
4420001100		3"	●	-	141	-	140	148,23	1
4420001200		4"	●	-	158	-	172	246,45	1



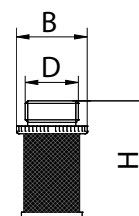
Valvola di ritegno PN12,
tenuta in polimero

*Brass check valve PN12,
plate in polymer*

*Válvula de retención
PN12, junta de polimero*

442Y

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
442Y000400		1/2"	●	-	47	-	34	5,09	10
442Y000500		3/4"	●	-	53	-	42	7,04	8
442Y000600		1"	●	-	60	-	47	9,02	8
442Y000700		1 1/4"	●	-	66	-	59	13,39	6
442Y000800		1 1/2"	●	-	74	-	71	19,72	4
442Y000900		2"	●	-	80	-	86	27,45	2
442Y001000		2 1/2"	●	-	98	-	102	50,92	1
442Y001100		3"	●	-	103	-	125	72,23	1
442Y001200		4"	●	-	118	-	154	126,90	1



Filtro per valvola di
ritegno

*Filter for brass check
valve*

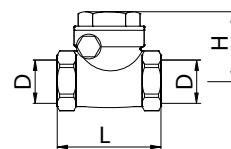
*Filtro para válvula de
retención*

444

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4440000300		3/8"	●	-	42	-	25	1,13	30
4440000400		1/2"	●	-	47	-	29	1,15	50
4440000500		3/4"	●	-	57	-	36	1,31	20
4440000600		1"	●	-	69	-	43	1,52	20
4440000700		1 1/4"	●	-	75	-	50	1,97	12
4440000800		1 1/2"	●	-	83	-	56	2,46	12
4440000900		2"	●	-	98	-	69	3,31	6
4440001000		2 1/2"	●	-	123	-	86	6,26	1
4440001100		3"	●	-	138	-	102	7,57	1
4440001200		4"	●	-	152	-	129	10,29	1



Valvola clapet con battente in ottone e tenuta in NBR
Swing check valve with plate in brass and NBR seat
Válvula clapet con clapeta de laton y junta de NBR



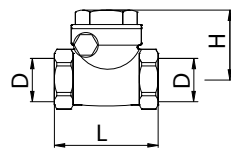
439

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4390000400		1/2"	●	-	50	-	44	6,70	16
4390000500		3/4"	●	-	58	-	53	9,33	12
4390000600		1"	●	-	67	-	63	14,17	8
4390000700		1 1/4"	●	-	77	-	72	20,67	5
4390000800		1 1/2"	●	-	88	-	82	26,68	4
4390000900		2"	●	-	101	-	95	37,58	2

Temperatura d'esercizio / Working temperature: 0-90°C



Valvola clapet con battente in ottone e tenuta metallica
Swing check valve with plate in brass and metal seat
Válvula clapet con clapeta de laton y junta de metal



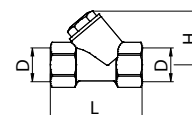
439M

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
439M000400		1/2"	●	-	50	-	44	6,90	16
439M000500		3/4"	●	-	58	-	53	9,60	12
439M000600		1"	●	-	67	-	63	14,60	8
439M000700		1 1/4"	●	-	77	-	72	21,38	5
439M000800		1 1/2"	●	-	88	-	82	27,54	4
439M000900		2"	●	-	101	-	95	39,46	2
4390001000		2 1/2"	●	-	130	-	119	76,26	1
4390001100		3"	●	-	150	-	133	106,01	1
4390001200		4"	●	-	185	-	168	196,87	1

Temperatura d'esercizio / Working temperature: 0-90°C



Filtro inclinato pesante PN20 con tappo di ispezione e filtro in acciaio inox
Heavy strainer PN20, inspection plug and stainless steel filter
Filtro inclinado pesado PN20 con tapon de inspeccion y filtro de acero inoxidable



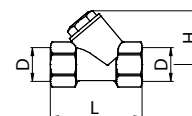
459

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4590000400		1/2"	●	-	40	-	58	4,81	20
4590000500		3/4"	●	-	50	-	70	7,78	10
4590000600		1"	●	-	60	-	87	12,14	6
4590000700		1 1/4"	●	-	68	-	96	19,62	6
4590000800		1 1/2"	●	-	75	-	106	24,87	4
4590000900		2"	●	-	90	-	126	41,15	2

Grado di filtrazione / Filtration degree: 400 µm (1/2" - 3/4" - 1")
Grado di filtrazione / Filtration degree: 500 µm (1 1/4" - 1 1/2" - 2")



Filtro inclinato PN20 con tappo di ispezione e filtro in acciaio inox
Strainer valve PN20, inspection plug and stainless steel filter
Filtro inclinado PN20 con tapon de inspeccion y filtro de acero inoxidable



459B

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
459B000500		3/4"	●	-	45	-	65	6,92	12
459B000600		1"	●	-	52	-	78	10,81	8

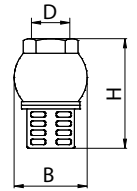
Grado di filtrazione / Filtration degree: 400 µm



Valvola di fondo con tenuta in ottone

Foot valve with plate in brass

Válvula de fondo con junta de latón


441

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4410000400		1/2"	●	-	60	-	39	7,24	20
4410000500		3/4"	●	-	69	-	45	8,26	12
4410000600		1"	●	-	80	-	51	9,95	12
4410000700		1 1/4"	●	-	92	-	61	14,39	5
4410000800		1 1/2"	●	-	100	-	68	18,98	3
4410000900		2"	●	-	117	-	80	27,49	2
4410001000		2 1/2"	●	-	140	-	100	49,39	1
4410001100		3"	●	-	173	-	121	66,32	1
4410001200		4"	●	-	194	-	145	112,70	1

Temperatura d'esercizio / Working temperature: 0-90°C

Rubinetto di scarico | Drain ball valves

Temperatura d'esercizio / Working temperature: 0-70°C

Pressione massima d'esercizio / Max working pressure: 16bar

Corpo in ottone / Body in brass

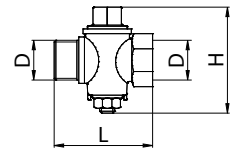
Filetti / Threads: ISO 228



Rubinetto MF con quadro

Square head MF cock

Llave MH con cabeza cuadrada


476

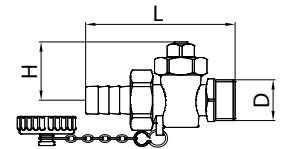
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
4760000700		1 1/4"	●	-	91	-	82	17,55	1



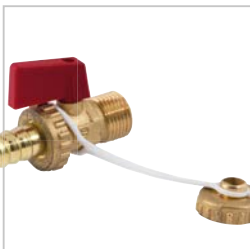
Rubinetto scarico caldaia con tappo e portagomma

Drain cock for boiler with cap and hose connection

Llave de evacuación caldera con tapón y conexión para tubo de goma


476C

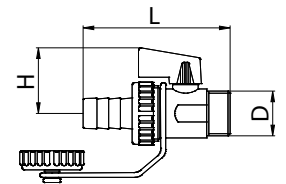
Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
476C000300		3/8"	●	-	28	-	74	6,17	1
476C000400		1/2"	●	-	31	-	76	6,48	1
476C000500		3/4"	●	-	38	-	91	11,79	1



Rubinetto a sfera scarico caldaia con tappo e portagomma

Drain ball valve for boiler with cap and hose connection

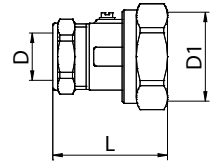
Llave de bola evacuación caldera con tapón y conexión para tubo de goma


476S

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
476S000300		3/8"	●	-	35	-	65	5,89	1
476S000400		1/2"	●	-	35	-	65	5,89	1

Valvole a sfera per pompa | Isolating pump ball valves

Temperatura d'esercizio / Working temperature: 0-90°C
 Pressione massima d'esercizio / Max working pressure: 10bar
 Corpo in ottone / Body in brass
 Filetti / Threads: ISO 228

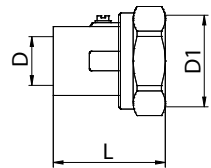


820



Valvola a sfera per pompa con attacco tubo rame
Compression isolating pump ball valve
Válvula de bola para bomba con empalme tubo de cobre

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
8200083200		22	●	1 1/2"	-	-	58	11,76	1
8200083800		28	●	1 1/2"	-	-	56	12,68	1



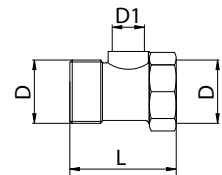
821



Valvola a sfera femmina per pompa
Isolating pump female ball valve
Válvula de bola hembra para bomba

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
8210080600		1"	●	1 1/2"	-	-	52	10,63	1

Accessori e ricambi | Accessories and spare parts

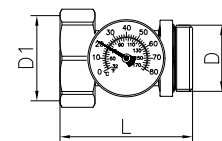


297



Portatermometro
Thermometer holder
Portatermómetro

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
2970N00600		1"	●	3/8"	-	-	55,5	5,22	10



396M



Dado con codolo preguarnito e termometro
Brass nut and tang with O-Ring and thermometer
Tuerca y vástago con O-Ring y termómetro

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
396M060000		1"	●	1 1/4"	-	-	61	14,27	1



Prolunga per
art. 428-429-430

*Extension for
art. 428-429-430*

*Extensión para
art. 428-429-430*

Prolunga per art. 530

Extension for item 530

Extensión para art. 530

370

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
3700000000		-	●	-	-	-	-	3,94	10

370B

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
370B000000		-	●	-	-	-	-	6,42	1



Cappuccio per art. 429

Chromed cap for item 429

Capuchón para art. 429

371

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
3710000000		-	●	-	-	-	-	3,74	1



Maniglia con rosone
per art. 428

*Chromed handle
w/rosette for item 428*

*Manija con arandela para
art. 428*

372

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
3720000000		-	●	-	-	-	-	4,22	1



Maniglia con rosone
per art. 430

*Handle with rosette for
art. 430*

*Manija con arandela para
art. 430*

372A

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
372A000000		-	●	-	-	-	-	5,40	1



Girello e portagomma per rubinetto
Ring and hose connection for tap
Tuerca y conexión para tubo de goma para llave

395

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
3950000400		3/4"	●	1/2"	-	-	-	1,19	50
3950000500		1"	●	3/4"	-	-	-	2,07	50
3950000600		1 1/4"	●	1"	-	-	-	4,32	25



Maniglia a leva in ferro
Iron lever handle
Manija de palanca de hierro

397/A

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
397000030A		1/4" - 3/8"	-	-	-	-	81	1,14	1
397000040A		1/2"	-	-	-	-	93	1,14	1
397000050A		3/4"	-	-	-	-	93	1,33	1
397000060A		1"	-	-	-	-	112	2,06	1
397000070A		1 1/4"	-	-	-	-	112	2,06	1
397000080A		1 1/2"	-	-	-	-	143	2,68	1
397000090A		2"	-	-	-	-	143	2,68	1



Maniglia a leva in alluminio
Aluminum lever handle
Manija de palanca de aluminio

397/F

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
397000040F		1/2"	-	-	-	-	84	1,14	1
397000050F		3/4"	-	-	-	-	107	1,33	1
397000060F		1"	-	-	-	-	107	1,33	1
397000070F		1 1/4"	-	-	-	-	138	2,16	1
397000080F		1 1/2"	-	-	-	-	138	2,16	1
397000090F		2"	-	-	-	-	155	2,81	1
397000100F		2 1/2" - 3"	-	-	-	-	270	9,16	1
397000120F		4"	-	-	-	-	320	16,43	1



Maniglia a leva in alluminio
Aluminum lever handle
Manija de palanca de aluminio

397/M

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
397000040M		1/2"	-	-	-	-	93	1,14	1
397000050M		3/4"	-	-	-	-	93	1,14	1
397000060M		1"	-	-	-	-	112	1,33	1
397000070M		1 1/4"	-	-	-	-	112	1,33	1
397000080M		1 1/2"	-	-	-	-	143	2,16	1
397000090M		2"	-	-	-	-	143	2,16	1



Levetta per valvola a sfera a 2 fermi
T-handle for ball valves
Manija de mariposa para válvula de bola

388/E

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
388000000E		1/2" - 3/4"	-	-	-	-	45	1,50	1



Levetta per valvola a sfera a 2 fermi
T-handle for ball valves
Manija de mariposa para válvula de bola

388/F

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
388000000F		1/2" - 3/4"	-	-	-	-	45	1,50	1



Maniglia a farfalla per valvola a sfera
Butterfly handle for ball valves
Manija de mariposa para válvula de bola

398/E

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
398000040E		1/2"	-	-	-	-	54	1,14	1
398000050E		3/4"	-	-	-	-	54	1,33	1
398000060E		1"	-	-	-	-	64	1,50	1



Maniglia a farfalla per valvola a sfera
Butterfly handle for ball valves
Manija de mariposa para válvula de bola

398/F

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
398000040F		1/2"	-	-	-	-	54	1,14	1
398000050F		3/4"	-	-	-	-	54	1,33	1
398000060F		1"	-	-	-	-	64	1,50	1



Maniglia a farfalla per valvola a sfera
Butterfly handle for ball valves
Manija de mariposa para válvula de bola

398/M

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
398000040M		1/2"	-	-	-	-	54	1,14	1
398000050M		3/4"	-	-	-	-	54	1,33	1
398000060M		1"	-	-	-	-	64	1,50	1





Prolunga per asta di manovra
Spindle extension set
Extensión barra de maniobra

374

Code	Version	Size (D)	Smooth	D1	H	I	L	€	Pack
3740000100		-	-	-	60	-	80	4,90	1
3740000200		-	-	-	68	-	87	5,27	1
3740000300		-	-	-	74	-	113	7,50	1
3740000400		-	-	-	78	-	138	8,38	1
3740000500		-	-	-	82	-	158	10,56	1

Misura maniglia > Codice prodotto
Handle size > Product item

			
	Art. 425B	Art. 425A	Art. 425
1/2"	3740000 100	3740000 100	3740000 100
3/4"	3740000 200	3740000 200	3740000 200
1"	3740000 300	3740000 300	3740000 300
1 1/4"	3740000 300	3740000 300	3740000 400
1 1/2"	3740000 400	3740000 400	3740000 400
2"	3740000 400	3740000 400	3740000 500

Istruzioni per l'installazione e l'uso delle valvole a sfera per acqua

1. Impieghi

Le valvole a sfera per acqua Bianchi F.lli possono essere utilizzate con:

- Acqua e fluidi non pericolosi come da Direttiva 2014/68/UE (PED)
- Vapore
- Gasolio

2. Condizioni di installazione

- Le valvole possono essere installate in qualsiasi posizione: orizzontale, obliqua o verticale, verificando attentamente che la leva di manovra possa essere ruotata completamente e senza complicazioni nelle posizioni di Aperto/Chiuso. Apertura (senso antiorario). Chiusura (senso orario).
- L'impianto deve essere realizzato e progettato in maniera tale da evitare categoricamente sollecitazioni di torsione o flessione, e comunque altre forze che possano in qualche modo danneggiare la valvola a sfera, impedendone quindi tenuta e corretto funzionamento.
- Il flusso è bidirezionale.
- L'accoppiamento alla tubazione deve essere effettuato con mezzi e strumenti idonei. La coppia di serraggio deve infatti essere tale da garantire la tenuta della valvola senza rovinare o deformare la valvola stessa.
- A installazione completata si dovrà effettuare la verifica di tenuta delle giunzioni e di tutto l'impianto, facendo riferimento alle norme ed alla legislazione applicabile in tal senso.
- E' fortemente sconsigliato lasciare la valvola in posizioni intermedie fra quelle di totalmente aperta/chiusa, poiché questo potrebbe comportare seri danneggiamenti ai componenti della valvola, pregiudicandone il corretto funzionamento e dunque la tenuta.
- Evitare qualsiasi manomissione della valvola e di tutti i suoi componenti.

3. Intervallo temperatura di esercizio

0°C (32°F) / +110°C (230°F)

0°C (32°F) / +150°C (302°F) serie STRONG

0°C (32°F) / +180°C (356°F) serie HELIOS

ATTENZIONE:

- La presenza di componenti deteriorati rende necessaria la sostituzione della valvola completa.
- E' vietata l'alterazione di qualunque componente della valvola completa.
- Assicurarsi che la valvola permetta il passaggio della portata richiesta.
- L'utilizzo deve essere effettuato in accordo con le norme vigenti nel paese di installazione.

Instructions for use of water ball valves

1. Use

Suitable for use with the following applications:

- Hot water and non-aggressive fluids in general as per Directive 2014/68/UE (PED)
- Vapor
- Diesel

2. Installation Conditions

- Valves can be installed in any position: horizontal, oblique or vertical verifying with attention that lever handle can be rotated completely and without complications in open/closed position. Open (counter-clockwise sense) Closed (clockwise sense).
- The system must be realized and designed in order to avoid any solicitation of torsion or flexion and anyway, any other forces that can damage the ball valve, granting in this way the held and the correct operation.
- The flow is bi-directional.
- The connection to the gallery must be effected with suitable means and instruments. The serration brace must guarantee the sealing of the valve without ruining or deforming the valve.
- When installation is complete the sealing of the junctions and all the system, must be verified to the norms and according to the legislation applicable in this sense.
- It is strongly recommended not to keep the valve in intermediate positions between the ones of totally close/open because this can involve serious damages to the components of the valve prejudicing the correct operation and therefore the held.
- Avoid any tampering of the valve and of all its components.

3. Interval exercise temperature

0°C (32°F) / +110°C (230°F)

0°C (32°F) / +150°C (302°F) STRONG series

0°C (32°F) / +180°C (356°F) HELIOS series

ATTENTION:

- If any component is deteriorated it is necessary the substitution of the complete valve.
- It is forbidden the modification of any component of the complete valve
- Be sure that the valve permits the passage of the requested capacity
- The utilization must be effected in accordance with the enforced norms in the installation country.

TABELLA RIASSUNTIVA PASSAGGIO VALVOLE PER ACQUA | WATER VALVES FLOW TABLE

SERIE / SERIES	PASSAGGIO / FLOW	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
TOP (424B-425B-434B-435B)	STANDARD	-	-	14	18,5	23,5	30	37	46	65	80	-
SMART (424A-425A-434A-435A)	STANDARD	-	-	14	18,5	23,5	30	37	46	-	-	-
STRONG (424-425-434-435)	TOTALE / FULL	10	10	15	20	25	32	40	50	63	76	100
423	STANDARD	-	-	14	18,5	-	-	-	-	-	-	-
HELIOS (425S - 435S)	TOTALE / FULL	-	-	15	20	25	-	-	-	-	-	-
422B - 422BA - 422R - 422M - 422RM - 422T	STANDARD	-	-	14	18,5	23,5	30	-	-	-	-	-
421 - 422 - 422A	TOTALE / FULL	-	-	15	20	25	-	-	-	-	-	-
526 - 527 - 529 - 841	RIDOTTO / REDUCED	-	-	10	14	22	-	-	-	-	-	-
528 - 528M	RIDOTTO / REDUCED	-	-	10	15	-	-	-	-	-	-	-
433	STANDARD - TOTALE / FULL	-	-	14	18,5	25	32	40	50	-	-	-
425BZ - 435BZ	STANDARD	-	10	14	18,5	23,5	30	37	46	-	-	-
438	-	-	11,5	14	14	18,5	23,5	-	-	-	-	-
537E - 560E	TOTALE / FULL	-	11,5	14,5	20	25	-	-	-	-	-	-
428 - 429 - 430 - 454	TOTALE / FULL	-	-	15	20	-	-	-	-	-	-	-
426 - 427	RIDOTTO / REDUCED	5,5	8	10	-	-	-	-	-	-	-	-
427G - 828 - 829	RIDOTTO / REDUCED	-	-	10	-	-	-	-	-	-	-	-
4253T - 4253L	STANDARD	-	10	14	18,5	23,5	30	37	46	-	-	-
445	-	-	13	15	19	24	32	37	47	60	72	93
446	-	-	13	13,5	15,5	19	27	33	44	47	60	72

Unità di misura in mm / Unit of measure in mm

TABELLA RIASSUNTIVA PRESSIONI DI ESERCIZIO VALVOLE PER ACQUA | WATER VALVES WORKING PRESSURE TABLE

SERIE / SERIES	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
TOP (424B-425B-434B-435B)	-	-	25	25	25	25	25	25	16	16	-
SMART (424A-425A-434A-435A)	-	-	30	30	30	25	25	25	-	-	-
STRONG (424-425-434-435)	40	40	40	40	40	30	30	30	16	16	16
423	-	-	25	25	-	-	-	-	-	-	-
HELIOS (425S - 435S)	-	-	40	40	40	-	-	-	-	-	-
422B - 422BA - 422R - 422T - 422M - 422RM	-	-	25	25	25	25	-	-	-	-	-
421 - 422 - 422A	-	-	40	40	40	-	-	-	-	-	-
526 - 527 - 529 - 841	-	-	25	25	25	-	-	-	-	-	-
528 - 528M	-	-	25	25	-	-	-	-	-	-	-
433	-	-	25	25	20	20	20	20	-	-	-
425BZ - 435BZ	-	25	25	25	25	25	25	25	-	-	-
438	-	25	25	25	25	25	-	-	-	-	-
537E - 560E	-	25	25	25	25	-	-	-	-	-	-
428 - 429 - 430 - 454	-	-	40	40	-	-	-	-	-	-	-
426 - 427	10	10	10	-	-	-	-	-	-	-	-
427G - 828 - 829	-	-	16	-	-	-	-	-	-	-	-
4253T - 4253L	-	50	50	50	50	30	30	30	-	-	-
445	-	20	20	20	20	20	20	20	20	20	20
446	-	10	10	10	10	10	10	10	10	10	10

Unità di misura in bar / Unit of measure in bar