



# BALL VALVES

/ VALVOLE A SFERA  
/ KUGELHÄHNE  
/ VANNES À BOISSEAU SPHÉRIQUE





Comisa experience has given rise to a new-concept ball valve, designed to ensure the absence of nickel, a material harmful for the health. Because nickel-plating is performed on the pressed product, during machining operations we eliminate this coating which would otherwise be released into the water.

Comisa is therefore able to offer a product without any trace of nickel on parts potentially in contact with the water, while always maintaining a nice appearance.

/ Dall'esperienza Comisa nasce la nuova concezione della valvola a sfera, studiata per garantire l'assenza di nickel, materiale dannoso alla salute. Grazie al fatto che l'operazione di nichelatura viene ora eseguita sul prodotto stampato, in fase di lavorazione provvediamo ad eliminare tale rivestimento che verrebbe rilasciato nell'acqua.

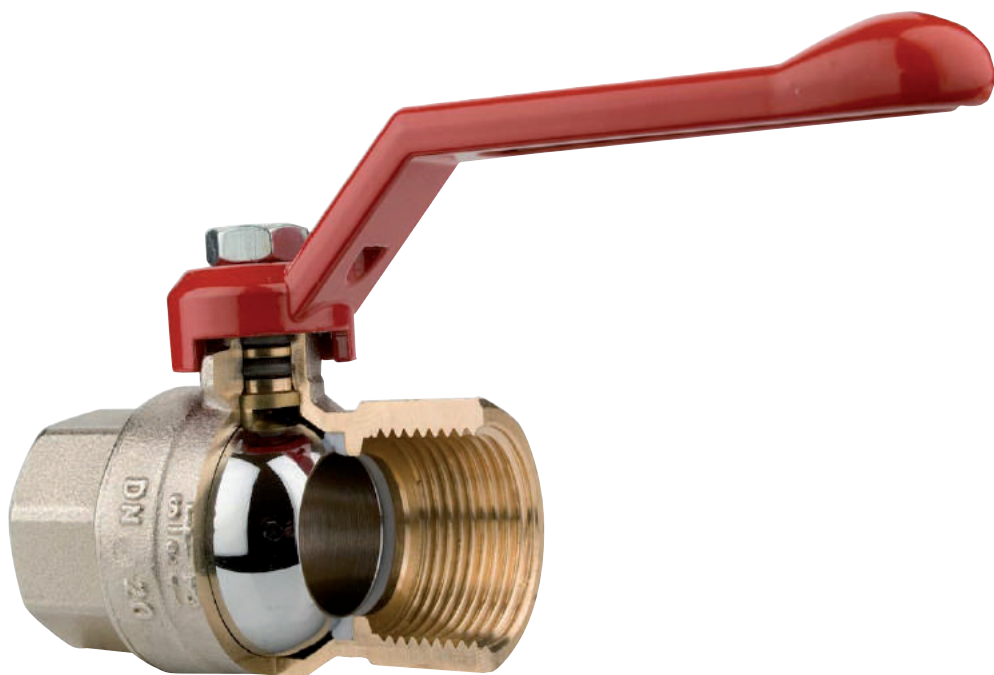
Comisa è quindi in grado di offrire un prodotto che non presenta alcuna traccia di nickel sulle parti potenzialmente a contatto con l'acqua, pur mantenendo un'apprezzabile estetica.

/ Die Erfahrung von Comisa hat zu dem neuen Konzept des Kugelhahns geführt, die Abwesenheit von Nickel, einem gesundheitsschädlichen Material. Dank der Tatsache, dass der Vernickelungsprozess nun an dem Messingpresse durchgeführt wird, sorgen wir während der Verarbeitungsphase dafür, dass eine solche Beschichtung, die in das Wasser freigesetzt würde, eliminiert wird.

Comica ist daher in der Lage, ein Produkt anzubieten, das an Teilen, die potentiell mit Wasser in Berührung kommen können, keine Spuren von Nickel aufweist, während das Erscheinungsbild erhalten bleibt.

/ De l'expérience Comisa naît une nouvelle conception de robinet à boisseau sphérique étudiée pour assurer l'absence de nickel, matériau nuisible pour la santé. Le nickelage se fait sur le produit moulé, c'est lors de l'usinage que nous éliminons ce revêtement qui, autrement, serait libéré dans l'eau.

Comisa est ainsi en mesure d'offrir, sans renoncer à l'aspect esthétique, un produit libre de toute trace de nickel sur les parties susceptibles d'entrer en contact avec l'eau.

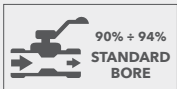


# LEGEND

/ LEGENDA  
/ LEGENDE  
/ LÉGENDE



/ **FULL BORE** / PASSAGGIO TOTALE  
/ VOLLER DURCHGANG / PASSAGE INTÉGRALE



/ **STANDARD BORE** / PASSAGGIO STANDARD  
/ STANDARD DURCHGANG / PASSAGE STANDARD



**THREADED CONNECTIONS / ATTACCHI FILETTATI  
GEWINDEANSCHLUSS / CONNEXIONS FILETÉES**

**ISO 228**  
EQUIVALENT TO **EN ISO 228** (CYLINDRICAL)  
CONFORME A **EN ISO 228** (CILINDRICO)  
ENTSPRECHEND **EN ISO 228** (ZYLINDRISCH)  
ÉQUIVALENT À **EN ISO 228** (CYLINDRIQUE)

**ISO 7/1**  
EQUIVALENT TO **EN 10226-1**  
CONFORME A **EN 10226-1**  
ENTSPRECHEND **EN 10226-1**  
EQUIVALENT TO **EN 10226-1**

- FEMALE RP (CYLINDRICAL)
- MALE R (CONICAL)
- FEMMINA RP (CILINDRICO)
- MASCHIO R (CONICO)
- INNENGEWINDE RP (ZYLINDRISCH)
- AUSSENGEWINDE R (KONISCH)
- FEMALE RP (CYLINDRICAL)
- MALE R (CONICAL)

**OPERATING TEMPERATURE / TEMPERATURA D'ESERCIZIO  
/ BETRIEBSTEMPERATUR / TEMPÉRATURE D'UTILISATION:**  
**- 20° C + 120° C**  
(UNLESS OTHERWISE STATED / SALVO INDICAZIONI CONTRARIE  
/ SOFERN NICHTS ANDERES BESTIMMT IST / SAUF INDICATION CONTRAIRE)



/ **BALL VALVE WITH PACKING GLAND** / VALVOLA CON PREMISTOPPA  
/ KUGELHAHN MIT TEFLONSDICHTUNG  
/ VANNE À BOISSEAU SPHÉRIQUE AVEC PRESS-ÉTOUPE



/ **AIR** / ARIA  
/ LUFT / AIR



/ **POTABLE WATER** / ACQUA POTABILE  
/ TRINKWASSER / EAU POTABLE



/ **HYDRAULIC** / IDRAULICA  
/ HYDRAULIC / HYDRAULIQUE



/ **MANIFOLDS** / COLLETTORI  
/ VERTEILER / COLLECTEUR



/ **INSULATION** / ISOLAMENTO  
/ ISOLIERUNG / ISOLATION



/ **SOLAR SYSTEM** / IMPIANTI SOLARI-TERMICI  
/ SOLARANLAGEN / SYSTÈME SOLAIRE



/ **GAS** / GAS  
/ GAS / GAZ

HOW TO UNDERSTAND OUR CODES

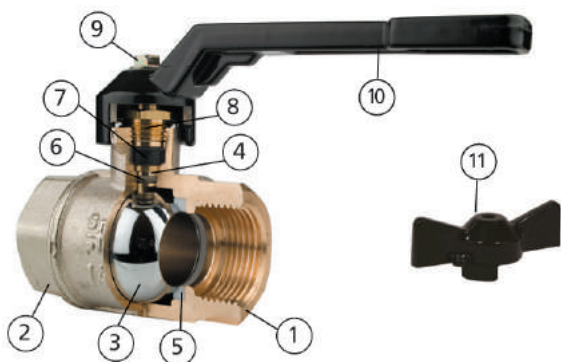
EXAMPLE

## VS0139M05ARN

VS0	139	05	A	R	N
PRODUCT	ARTICLE	SIZE	HANDLE	COLOUR HANDLE	FINISHING
<b>VS0</b>	139	01 = 1/8"	<b>A</b> ALUMINIUM HANDLE	<b>B</b> BLUE	<b>N</b> NICKEL-PLATED
	139M	02 = 1/4"			
	140	03 = 3/8"	<b>F</b> IRON FLAT HANDLE	<b>G</b> YELLOW	<b>O</b> SAND-BLASTED
	140M	05 = 1/2"			
	140B	07 = 3/4"	<b>P</b> BUTTERFLY ALUMINIUM HANDLE	<b>R</b> RED	<b>N</b> BLACK
	141	10 = 1"			
	141A	12 = 1 1/4"	<b>A</b> ORANGE		
	141H	15 = 1 1/2"			
	141L	20 = 2"			
	143	25 = 2 1/2"			
	143M	30 = 3"			
	144	35 = Ø 35			
	144M				
	145				
	146A				
	146B				
	147				
	147B				
	148				
	148A				
149	15 = Ø 15				
297B	22 = Ø 22				
297F	28 = Ø 28				
303	35 = Ø 35				
305					
313					
315					
317					
603B					
604B					

# BALL VALVES WITH PACKING GLAND

/ VALVOLA A SFERA CON PREMISTOPPA  
/ KUGELHAHN MIT TEFLONSDICHTUNG  
/ VANNE À BOISSEAU SPHÉRIQUE AVEC PRESS-ÉTOUPE



## BALL VALVES WITH PACKING GLAND

MODEL:  
143  
143M  
145  
440  
440M  
WATER METERS

DESCRIPTION	DESCRIZIONE	BESCHREIBUNG	DESCRIPTION	MATERIAL / MATERIAL / MATERIAUX
1 BODY	CORPO	GEHÄUSE	CORPS	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
2 COUPLING	MANICOTTO	KUPPLUNG	MANCHON	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
3 BALL	SFERA	KUGEL	SPHÈRE	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
4 SPINDLE	ASTA	SPINDEL	TIGÉ	BRASS / OTTONE / MESSING / LAITON CW614N UNI EN 12164
5 SEATS	SEDI	KUGELSITZDICHTUNG	SIÈGES	P.T.F.E.
6 O-RING	O-RING	O-RING	JOINT TORIQUE	NBR
7 PACKING GLAND	PREMISTOPPA	STOPFBUCHSE	BAGUE DE PRESSE ÉTOUPE	P.T.F.E.
8 STUFFING NUT	GHIERA PREMISTOPPA	STOPFBUCHSMUTTER	ÉCROU DE PRESSE ÉTOUPE	BRASS / OTTONE / MESSING / LAITON CW614N UNI EN 12164
9 SCREW	VITE	SCHRAUB	VIS	STEEL / ACCIAIO / STAHL / ACIER UNI EN 10263-2
10 HANDLE	MANIGLIA A LEVA	HEBELGRIFF	POIGNÉE	ALUMINIUM EN AB-46100 UNI EN 1676
11 BUTTERFLY HANDLE	MANIGLIA A FARFALLA	FLÜGELGRIFF	MANETTE PAPILLON	ALUMINIUM EN AB-46100 UNI EN 1676

### BRASS



UNI EN 12164/12165  
CW 617N  
DIN 50930-6

BRASS COMPLIES WITH DIN 50930-6  
/ OTTONE CONFORME DIN 50930-6  
/ MESSING ENTSpricht DIN 50930-6  
/ LAITON CONFORME DIN 50930-6

All the Comisa ball valves series with packing gland feature an O-ring on the spindle and the seal is guaranteed by use of a P.T.F.E. packing gland. For correct operation, the ball valves must only be used as on/off valves and not as regulator valves; they must therefore be kept either fully open or fully closed. This operation is performed by turning the handle by 90° clockwise or anticlockwise, without operating it quickly so as to avoid water hammering. Once correctly fitted, the valve does not require any particular maintenance, but must be periodically operated to ensure smooth operation and prevent blockages.

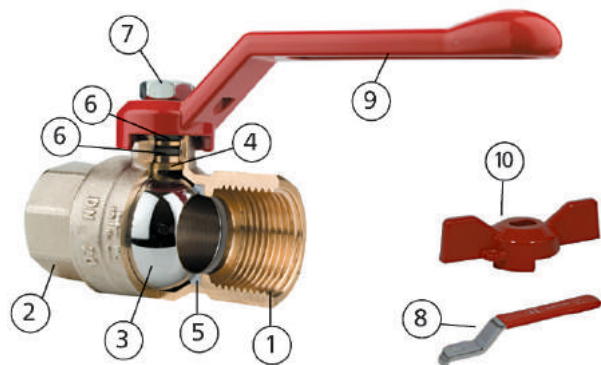
/ Tutte le serie di valvole a sfera Comisa caratterizzate dalla tecnologia "premistoppa" sono dotate di asta di manovra provvista di o-ring; la tenuta è inoltre garantita dall'uso di un premistoppa in P.T.F.E. Per il corretto funzionamento, le valvole a sfera devono essere utilizzate solo come valvole on / off e non come valvole di regolazione; devono quindi essere tenuti completamente aperti o completamente chiusi. Questa operazione viene eseguita ruotando la maniglia di 90° in senso orario o antiorario, senza azionarla rapidamente in modo da evitare colpi d'ariete. Una volta installato correttamente, la valvola non richiede alcuna manutenzione particolare, ma deve essere periodicamente utilizzata per garantire un funzionamento regolare e prevenire blocchi.

/ Alle Kugelhähne der Serie Comisa mit Stopfbuchse haben einen O-Ring an der Spindel und die Dichtung wird durch Verwendung eines P.T.F.E. Verpackungsdrüse. Für einen korrekten Betrieb sind die Kugelventile nur als Absperr- und nicht als Regelventile zu verwenden, müssen daher in vollständig offenen oder vollständig geschlossenen Zustand gehalten werden. Dieser Vorgang wird durch Drehen im oder gegen den Uhrzeigersinn des Griffes um 90° erreicht, ohne es schnell zu bewegen, um so Wasserschläge zu vermeiden. Das Ventil, wenn es einmal richtig installiert ist, bedarf keine besondere Wartung, muss aber regelmäßig benutzt werden, um einen reibungslosen Betrieb zu gewährleisten und eine Blockierung zu vermeiden.

/ Toutes les vannes à boisseau sphérique Comisa avec presse-étoupe disposent d'un joint torique sur la broche et le sceau est garanti par l'utilisation d'un P.T.F.E. glande d'emballage. Pour un fonctionnement correct, les vannes à boisseau sphérique ne doivent être utilisés que comme des éléments d'interception et non pas de régulation; ils doivent donc être maintenus soit complètement ouverts, soit complètement fermés. Pour ce faire, tourner la manette de 90° dans le sens horaire ou contre-horaire en évitant de manoeuvrer rapidement pour éviter le coup de bélier. Une fois installé correctement, le robinet ne demande pas d'entretien spécial; il faut cependant le manoeuvrer périodiquement afin d'assurer un mouvement fluide et d'éviter qu'il ne se bloque.

# BALL VALVES WITH ANTI-BURSTING PIN

/ VALVOLE A SFERA ANTISCOPPIO  
/ KUGELHÄHNE MIT SPRENGSCHUTZ-VORRICHTUNG  
/ ROBINETS À BOISSEAU SPHÉRIQUE ANTI-ÉCLATEMEN



## BALL VALVES WITH ANTI-BURSTING PIN

MODEL:

133	141H
133M	141L
134	147
139	147B
139M	146A
140	146B
140B	148
140M	148A
141	603B
141A	604B

	DESCRIPTION	DESCRIZIONE	BESCHREIBUNG	DESCRIPTION	MATERIAL / MATERIAL / MATERIAUX
1	BODY	CORPO	GEHÄUSE	CORPS	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
2	COUPLING	MANICOTTO	KUPPLUNG	MANCHON	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
3	BALL	SFERA	KUGEL	SPHÈRE	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12165
4	SPINDLE	ASTA	SPINDEL	TIGÉ	BRASS / OTTONE / MESSING / LAITON CW617N UNI EN 12164
5	SEATS	SEDI	KUGELSITZDICHTUNG	SIÈGES	P.T.F.E.
6	O-RING	O-RING	O-RING	JOINT TORIQUE	NBR
7	NUT	DADO	MUTTER	ÉCROU	STEEL / ACCIAIO / STAHL / ACIER UNI EN 20898/2
8	FLAT HANDLE	MANIGLIA PIATTA	HEISENHEBELGRIFF	POIGNÉE PLATE	ZINC-COATED STEEL / ACCIAIO ZINCATO / EDELSTAHL VERZINKT / ACIER REVÊTU DE ZINC FE P12
9	HANDLE	MANIGLIA A LEVA	HEBELGRIFF	POIGNÉE	ALUMINIUM EN AB-46100 UNI EN 1676
10	BUTTERFLY HANDLE	MANIGLIA A FARFALLA	FLÜGELGRIFF	MANETTE PAPILLON	ALUMINIUM EN AB-46100 UNI EN 1676

## BRASS



UNI EN 12164/12165  
CW 617N  
DIN 50930-6

BRASS COMPLIES WITH DIN 50930-6  
/ OTTONE CONFORME DIN 50930-6  
/ MESSING ENTSpricht DIN 50930-6  
/ LAITON CONFORME DIN 50930-6

All ball valves series with antibursting feature a double O-ring on the spindle for greater and safer seal. Furthermore, because the spindle is mounted from inside it is blow out proof and provides greater guarantees against accidental escape or tampering from outside. For correct operation, the ball valves must only be used as on/off valves and not as regulator valves; they must therefore be kept either fully open or fully closed. This operation is performed by turning the handle by 90° clockwise or anticlockwise, without operating it quickly so as to avoid water hammering. Once correctly fitted, the valve does not require any particular maintenance, but must be periodically operated to ensure smooth operation and prevent blockages.

/ Tutte le serie di valvole a sfera con antibursting presentano un doppio O-ring sull'asta per una tenuta maggiore e più sicura. Inoltre, poiché l'asta è montata dall'interno, è a prova di esplosione e fornisce maggiori garanzie contro la fuga accidentale o la manomissione dall'esterno. Per il corretto funzionamento, le valvole a sfera devono essere utilizzate solo come valvole on / off e non come valvole di regolazione; devono quindi essere tenuti completamente aperti o completamente chiusi. Questa operazione viene eseguita ruotando la maniglia di 90° in senso orario o antiorario, senza azionarla rapidamente in modo da evitare colpi d'ariete. Una volta installato correttamente, la valvola non richiede alcuna manutenzione particolare, ma deve essere periodicamente utilizzata per garantire un funzionamento regolare e prevenire blocchi.

/ Alle Kugelhähne der Serie Comisa mit Berstschutz verfügen über einen doppelten O-Ring an der Spindel für eine größere und sicherere Abdichtung. Da die Spindel, von innen montiert ist, bietet sie mehr Garantien gegen unbeabsichtigtes Sprengen oder gegen eine von außen durchgeführte Manipulation. Für einen korrekten Betrieb sind die Kugelventile nur als Absperr- und nicht als Regelventile zu verwenden, müssen daher in vollständig offenen oder vollständig geschlossenen Zustand gehalten werden. Dieser Vorgang wird durch Drehen im oder gegen den Uhrzeigersinn des Griffes um 90° erreicht, ohne es schnell zu bewegen, um so Wasserschläge zu vermeiden. Das Ventil, wenn es einmal richtig installiert ist, bedarf keine besondere Wartung, muss aber regelmäßig benutzt werden, um einen reibungslosen Betrieb zu gewährleisten und eine Blockierung zu vermeiden.

/ Toutes les séries de robinets à boisseau sphérique avec anti-buée comportent un double joint torique sur la broche pour une étanchéité plus grande et plus sûre. De plus la tige, qui est montée de l'intérieur, est inéjectable et, le cas échéant, offre de meilleures garanties contre l'éjection accidentelle ou l'altération non autorisée de l'extérieur. Pour un fonctionnement correct, les vannes à boisseau sphérique ne doivent être utilisées que comme des éléments d'interception et non pas de régulation; ils doivent donc être maintenus soit complètement ouverts, soit complètement fermés. Pour ce faire, tourner la manette de 90° dans le sens horaire ou contre-horaire en évitant de manoeuvrer rapidement pour éviter le coup de bélier. Une fois installé correctement, le robinet ne demande pas d'entretien spécial; il faut cependant le manoeuvrer périodiquement afin d'assurer un mouvement fluide et d'éviter qu'il ne se bloque.

# BALL VALVES - HEAVY SERIES

/ VALVOLE A SFERA - SERIE PESANTE  
/ KUGELHÄHNE - SCHWERE SERIE  
/ VANNES À BOISSEAU - SÉRIE PESANTE

## 145 - F/F



### BALL VALVE MOD.145 F/F - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 145 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 145 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 145 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE





### BALL VALVE MOD.145 F/F - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE



/ VALVOLA A SFERA MOD. 145 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
/ KUGELHAHN MOD. 145 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 145 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



### 145

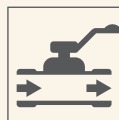
CODE	TECH. CODE	SIZE 	PN	
41.31.035	VS0145005ANN	1/2"	65	40
41.31.040	VS0145007ANN	3/4"	55	25
41.31.045	VS0145010ANN	1"	55	20
41.31.050	VS0145012ANN	1 1/4"	45	12
41.31.055	VS0145015ANN	1 1/2"	45	8
41.31.060	VS0145020ANN	2"	45	4

### 145

CODE	TECH. CODE	SIZE 	PN	
41.31.036	VS0145005PNN	1/2"	65	40
41.31.041	VS0145007PNN	3/4"	55	25
41.31.046	VS0145010PNN	1"	55	20



# 143 - F/F



100%  
FULL  
BORE

ISO  
228



## BALL VALVE MOD.143 F/F - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 143 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 143 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 143 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE





## BALL VALVE MOD.143 F/F - FULL BORE AND BLACK ALUMINIUM HANDLE



/ VALVOLA A SFERA MOD. 143 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 143 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 143 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 143

CODE	TECH. CODE	SIZE 	PN	
41.31.080	VS0143002ARN	1/4"	55	100
41.31.090	VS0143003ARN	3/8"	55	90
41.31.100	VS0143005ARN	1/2"	55	50
41.31.110	VS0143007ARN	3/4"	45	30
41.31.120	VS0143010ARN	1"	45	25
41.31.130	VS0143012ARN	1 1/4"	35	12
41.31.140	VS0143015ARN	1 1/2"	35	8
41.31.150	VS0143020ARN	2"	35	5

### 143

CODE	TECH. CODE	SIZE 	PN	
41.31.092	VS0143003ANN	3/8"	55	90
41.31.102	VS0143005ANN	1/2"	55	50
41.31.112	VS0143007ANN	3/4"	45	30
41.31.122	VS0143010ANN	1"	45	25
41.31.132	VS0143012ANN	1 1/4"	35	12
41.31.142	VS0143015ANN	1 1/2"	35	8
41.31.152	VS0143020ANN	2"	35	5

## BALL VALVE MOD. 143 F/F - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 143 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 143 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 143 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE





## BALL VALVE MOD.143 F/F - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE



/ VALVOLA A SFERA MOD. 143 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
/ KUGELHAHN MOD. 143 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 143 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



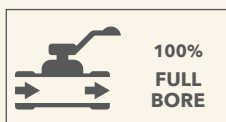
### 143

CODE	TECH. CODE	SIZE 	PN	
41.31.083	VS0143002PRN	1/4"	55	100
41.31.093	VS0143003PRN	3/8"	55	80
41.31.103	VS0143005PRN	1/2"	55	60
41.31.113	VS0143007PRN	3/4"	45	40
41.31.123	VS0143010PRN	1"	45	30

### 143

CODE	TECH. CODE	SIZE 	PN	
41.31.095	VS0143003PNN	3/8"	55	80
41.31.105	VS0143005PNN	1/2"	55	60
41.31.115	VS0143007PNN	3/4"	45	40
41.31.125	VS0143010PNN	1"	45	30

# 143M - M/F



## BALL VALVE MOD.143M M/F - FULL BORE AND RED ALUMINIUM HANDLE

- / VALVOLA A SFERA MOD. 143M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA
- / KUGELHAHN MOD. 143M AG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 143M

CODE	TECH. CODE	SIZE	PN	
41.31.170	VS0143M05ARN	1/2"	55	50
41.31.180	VS0143M07ARN	3/4"	45	35
41.31.190	VS0143M10ARN	1"	45	25
41.31.200	VS0143M12ARN	1 1/4"	35	12
41.31.210	VS0143M15ARN	1 1/2"	35	8
41.31.220	VS0143M20ARN	2"	35	5

## BALL VALVE MOD. 143M M/F - FULL BORE AND BLACK ALUMINIUM HANDLE

- / VALVOLA A SFERA MOD. 143M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA
- / KUGELHAHN MOD. 143M AG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 143M

CODE	TECH. CODE	SIZE	PN	
41.31.172	VS0143M05ANN	1/2"	55	50
41.31.182	VS0143M07ANN	3/4"	45	35
41.31.192	VS0143M10ANN	1"	45	25
41.31.202	VS0143M12ANN	1 1/4"	35	12
41.31.212	VS0143M15ANN	1 1/2"	35	8
41.31.222	VS0143M20ANN	2"	35	5

## BALL VALVE MOD. 143M M/F - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

- / VALVOLA A SFERA MOD. 143M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA
- / KUGELHAHN MOD. 143M AG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



### 143M

CODE	TECH. CODE	SIZE	PN	
41.31.173	VS0143M05PRN	1/2"	55	60
41.31.183	VS0143M07PRN	3/4"	45	40
41.31.193	VS0143M10PRN	1"	45	30

## BALL VALVE MOD.143M M/F - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

- / VALVOLA A SFERA MOD. 143M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA
- / KUGELHAHN MOD. 143M AG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



### 143M

CODE	TECH. CODE	SIZE	PN	
41.31.175	VS0143M05PNN	1/2"	55	60
41.31.185	VS0143M07PNN	3/4"	45	40
41.31.195	VS0143M10PNN	1"	45	30

## BALL VALVE MOD.143 F/F SEALABLE CAP

- / VALVOLA A SFERA MOD. 143 F/F CON CAPPuccio PIOMBABILE
- / KUGELHAHN MOD. 143 IG/IG MIT PLOMBIERUNGSKAPPE
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143 F/F AVEC MANETTE SCELLABLE



### 143-CP

CODE	TECH. CODE	SIZE	PN	
41.31.106	VS0143005CPN	1/2"	55	60
41.31.116	VS0143007CPN	3/4"	45	44
41.31.126	VS0143010CPN	1"	45	24

## BALL VALVE MOD.143 M/F SEALABLE CAP

- / VALVOLA A SFERA MOD. 143M M/F CON CAPPuccio PIOMBABILE
- / KUGELHAHN MOD. 143M AG/IG MIT PLOMBIERUNGSKAPPE
- / VANNE BOISSEAU SPHÉRIQUE MOD. 143M M/F AVEC MANETTE SCELLABLE



### 143M-CP

CODE	TECH. CODE	SIZE	PN	
41.31.176	VS0143M05CPN	1/2"	55	50
41.31.186	VS0143M07CPN	3/4"	45	35
41.31.196	VS0143M10CPN	1"	45	25

**RED ALUMINIUM HANDLE**

/ MANIGLIA IN ALLUMINIO ROSSA  
/ ROTER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER ROUGE



CODE	TECH. CODE	SIZE	
41.32.855	MNLEVAL000ROS	LA0	250
41.32.856	MNLEVAL001ROS	LA1	200
41.32.857	MNLEVAL002ROS	LA2	150
41.32.858	MNLEVAL003ROS	LA3	100
41.32.859	MNLEVAL004ROS	LA4	50

**RED BUTTERFLY HANDLE**

/ MANIGLIA A FARFALLA ROSSA  
/ ROTER ALUMINIUM-FLÜGELGRIFF  
/ MANETTE ALUMINIUM PAPILLON ROUGE



CODE	TECH. CODE	SIZE	
41.32.885	MNFARALPICROS	FA0	700
41.32.886	MNFARALGRAROS	FA1	400

**BLUE ALUMINIUM HANDLE**

/ MANIGLIA IN ALLUMINIO BLU  
/ BLAUER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER BLEU



CODE	TECH. CODE	SIZE	
41.32.865	MNLEVAL000BLU	LA0	250
41.32.866	MNLEVAL001BLU	LA1	200
41.32.867	MNLEVAL002BLU	LA2	150
41.32.868	MNLEVAL003BLU	LA3	100
41.32.869	MNLEVAL004BLU	LA4	50

**BLUE BUTTERFLY HANDLE**

/ MANIGLIA A FARFALLA BLU  
/ BLAUER ALUMINIUM-FLÜGELGRIFF  
/ MANETTE ALUMINIUM PAPILLON BLEU



CODE	TECH. CODE	SIZE	
41.32.890	MNFARALPICBLU	FA0	700
41.32.891	MNFARALGRABLU	FA1	400

**FIXING SCREW FOR STEEL HANDLE**

/ VITE DI FISSAGGIO PER MANIGLIA IN ACCIAIO  
/ FIXIERSCHRAUBE IN STAHL FÜR HANDGRIFF  
/ VISSE POUR MANETTE ACIER



CODE	TECH. CODE	SIZE	
41.32.905	VIFLANG4MA0	3/8" - 1"	8000
41.32.906	VIFLANG5MA0	1 1/4" - 1 1/2"	4000
41.32.907	VIFLANG6MA0	2"	2500

**BLACK ALUMINIUM HANDLE**

/ MANIGLIA IN ALLUMINIO NERA  
/ SCHWARZER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER NOIRE



CODE	TECH. CODE	SIZE	
41.32.875	MNLEVAL000NER	LA0	250
41.32.876	MNLEVAL001NER	LA1	200
41.32.877	MNLEVAL002NER	LA2	150
41.32.878	MNLEVAL003NER	LA3	100
41.32.879	MNLEVAL004NER	LA4	50

**BLACK BUTTERFLY HANDLE**

/ MANIGLIA A FARFALLA NERA  
/ SCHWARZER ALUMINIUM-FLÜGELGRIFF  
/ MANETTE ALUMINIUM PAPILLON NOIRE



CODE	TECH. CODE	SIZE	
41.32.895	MNFARALPICNER	FA0	400
41.32.896	MNFARALGRANER	FA1	400

**SEALABLE CAP**

/ CAPPUCCIO PIOMBABILE  
/ PLOMBIERUNGSKAPPE  
/ TIGE SCELLABLE



CODE	TECH. CODE	SIZE	
41.32.916	CP0611000200N	1/2" - 3/4" - 1"	300
41.32.917	CP0611000300N	1 1/4" - 1 1/2"	250
41.32.918	CP0611000400N	2"	100

ART. NUMBER / ARTICOLO / ARTIKEL / ARTICLE	TYPE OF HANDLE / TIPOLOGIA MANIGLIA / GRIFF / TYPE DE POIGNÉE	
	ALUMINIUM	PAPILLON

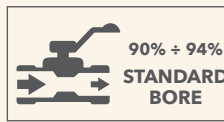
145		
1/2"	LA1	FA0
3/4"	LA2	FA1
1"	LA2	FA1
1 1/4"	LA3	-
1 1/2"	LA3	-
2"	LA4	-

143 - 143M		
3/8"	LA0	FA0
1/2"	LA1	FA0
3/4"	LA1	FA1
1"	LA2	FA1
1 1/4"	LA3	-
1 1/2"	LA3	-
2"	LA4	-

# BALL VALVES - SPR SERIES

/ VALVOLE A SFERA - SERIE SPR  
/ KUGELHÄHNE - SERIE SPR  
/ VANNES À BOISSEAU - SÉRIE SPR

## 440 - F/F



### BALL VALVE MOD. 440 F/F - STANDARD BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 440 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 440 IG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 440 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER NOIRE



#### 440

CODE	TECH. CODE	SIZE	PN	
41.32.510	VS0440005ANN	1/2"	40	60
41.32.515	VS0440007ANN	3/4"	30	40
41.32.520	VS0440010ANN	1"	30	30

### BALL VALVE MOD. 440 F/F - STANDARD BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 440 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 440 IG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 440 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER ROUGE



#### 440

CODE	TECH. CODE	SIZE	PN	
41.32.530	VS0440005ARN	1/2"	40	60
41.32.535	VS0440007ARN	3/4"	30	40
41.32.540	VS0440010ARN	1"	30	30

### BALL VALVE MOD. 440 F/F - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 440 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
/ KUGELHAHN MOD. 440 IG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 440 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



#### 440

CODE	TECH. CODE	SIZE	PN	
41.32.511	VS0440005PNN	1/2"	40	90
41.32.516	VS0440007PNN	3/4"	30	50
41.32.521	VS0440010PNN	1"	30	30

### BALL VALVE MOD. 440 F/F - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

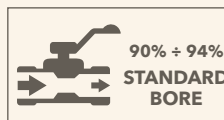
/ VALVOLA A SFERA MOD. 440 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 440 IG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 440 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 440

CODE	TECH. CODE	SIZE	PN	
41.32.531	VS0440005PRN	1/2"	40	90
41.32.536	VS0440007PRN	3/4"	30	50
41.32.541	VS0440010PRN	1"	30	30

## 440M - M/F





### BALL VALVE MOD. 440M M/F - STANDARD BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 440M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO NERA  
 / KUGELHAHN MOD. 440M AG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 440M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER NOIRE



#### 440M



CODE	TECH. CODE	SIZE 	PN	
41.32.550	VS0440M05ANN	1/2"	40	60
41.32.555	VS0440M07ANN	3/4"	30	40
41.32.560	VS0440M10ANN	1"	30	30

### BALL VALVE MOD. 440M M/F - STANDARD BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 440M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 440M AG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 440M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER ROUGE



#### 440M



CODE	TECH. CODE	SIZE 	PN	
41.32.570	VS0440M05ARN	1/2"	40	60
41.32.575	VS0440M07ARN	3/4"	30	40
41.32.580	VS0440M10ARN	1"	30	30

### BALL VALVE MOD. 440M M/F - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 440M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 440M AG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 440M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



#### 440M



CODE	TECH. CODE	SIZE 	PN	
41.32.551	VS0440M05PNN	1/2"	40	90
41.32.556	VS0440M07PNN	3/4"	30	50
41.32.561	VS0440M10PNN	1"	30	30

### BALL VALVE MOD. 440M M/F - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 440M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 440M IAG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 440M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 440M

CODE	TECH. CODE	SIZE 	PN	
41.32.571	VS0440M05PRN	1/2"	40	90
41.32.576	VS0440M07PRN	3/4"	30	50
41.32.581	VS0440M10PRN	1"	30	30

# 139 - F/F



100%  
FULL  
BORE



## BALL VALVE MOD. 139 F/F - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 139

CODE	TECH. CODE	SIZE	PN	
41.31.230	VS0139003ARN	3/8"	45	80
41.31.240	VS0139005ARN	1/2"	45	50
41.31.250	VS0139007ARN	3/4"	35	30
41.31.260	VS0139010ARN	1"	35	25
41.31.270	VS0139012ARN	1 1/4"	25	12
41.31.280	VS0139015ARN	1 1/2"	25	8
41.31.290	VS0139020ARN	2"	25	5

## BALL VALVE MOD. 139 F/F - FULL BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO BLU  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER BLEU



### 139

CODE	TECH. CODE	SIZE	PN	
41.31.241	VS0139005ABN	1/2"	45	50
41.31.251	VS0139007ABN	3/4"	35	30
41.31.261	VS0139010ABN	1"	35	25

## BALL VALVE MOD. 139 F/F - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 139

CODE	TECH. CODE	SIZE	PN	
41.31.232	VS0139003ANN	3/8"	45	80
41.31.242	VS0139005ANN	1/2"	45	50
41.31.252	VS0139007ANN	3/4"	35	30
41.31.262	VS0139010ANN	1"	35	25
41.31.272	VS0139012ANN	1 1/4"	25	12
41.31.282	VS0139015ANN	1 1/2"	25	8
41.31.292	VS0139020ANN	2"	25	5

## BALL VALVE MOD. 139 F/F - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND ROT EISENHEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE





### 139

CODE	TECH. CODE	SIZE	PN	
41.31.233	VS0139003FRN	3/8"	45	80
41.31.243	VS0139005FRN	1/2"	45	50
41.31.253	VS0139007FRN	3/4"	35	30
41.31.263	VS0139010FRN	1"	35	25
41.31.273	VS0139012FRN	1 1/4"	25	12
41.31.283	VS0139015FRN	1 1/2"	25	8
41.31.293	VS0139020FRN	2"	25	5

**BALL VALVE MOD. 139 F/F - FULL BORE  
AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



**139**

CODE	TECH. CODE	SIZE 	PN	
41.31.235	VS0139003PRN	3/8"	45	80
41.31.245	VS0139005PRN	1/2"	45	70
41.31.255	VS0139007PRN	3/4"	35	50
41.31.265	VS0139010PRN	1"	35	30
41.31.275	VS0139012PRN	1 1/4"	25	12

**BALL VALVE MOD. 139 F/F - FULL BORE  
AND BLUE ALUMINIUM BUTTERFLY  
HANDLE**

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



**139**

CODE	TECH. CODE	SIZE 	PN	
41.31.246	VS0139005PBN	1/2"	45	70
41.31.256	VS0139007PBN	3/4"	35	50
41.31.266	VS0139010PBN	1"	35	30

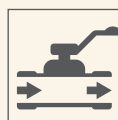
**BALL VALVE MOD. 139 F/F - FULL BORE  
AND BLACK ALUMINIUM BUTTERFLY  
HANDLE**

/ VALVOLA A SFERA MOD. 139 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
/ KUGELHAHN MOD. 139 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE

**139**

CODE	TECH. CODE	SIZE 	PN	
41.31.247	VS0139005PNN	1/2"	45	70
41.31.257	VS0139007PNN	3/4"	35	50
41.31.267	VS0139010PNN	1"	35	30

# 139M - M/F



100%  
FULL  
BORE

ISO  
7/1



## BALL VALVE MOD. 139M M/F - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 139M

CODE	TECH. CODE	SIZE	PN	
41.31.300	VS0139M05ARN	1/2"	45	50
41.31.310	VS0139M07ARN	3/4"	35	30
41.31.320	VS0139M10ARN	1"	35	25
41.31.330	VS0139M12ARN	1 1/4"	25	12
41.31.340	VS0139M15ARN	1 1/2"	25	8
41.31.350	VS0139M20ARN	2"	25	5

## BALL VALVE MOD. 139M M/F - FULL BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO BLU  
/ KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER BLEU



### 139M

CODE	TECH. CODE	SIZE	PN	
41.31.301	VS0139M05ABN	1/2"	45	50
41.31.311	VS0139M07ABN	3/4"	35	30
41.31.321	VS0139M10ABN	1"	35	25

## BALL VALVE MOD. 139M M/F - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 139M

CODE	TECH. CODE	SIZE	PN	
41.31.302	VS0139M05ANN	1/2"	45	50
41.31.312	VS0139M07ANN	3/4"	35	30
41.31.322	VS0139M10ANN	1"	35	25
41.31.332	VS0139M12ANN	1 1/4"	25	12
41.31.342	VS0139M15ANN	1 1/2"	25	8
41.31.352	VS0139M20ANN	2"	25	5

## BALL VALVE MOD. 139M M/F - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
/ KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND ROT EISENHEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



### 139M

CODE	TECH. CODE	SIZE	PN	
41.31.303	VS0139M05FRN	1/2"	45	50
41.31.313	VS0139M07FRN	3/4"	35	30
41.31.323	VS0139M10FRN	1"	35	25
41.31.333	VS0139M12FRN	1 1/4"	25	12
41.31.343	VS0139M15FRN	1 1/2"	25	8
41.31.353	VS0139M20FRN	2"	25	5





**BALL VALVE MOD. 139M M/F - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



**139M**



CODE	TECH. CODE	SIZE 	PN	
41.31.305	VS0139M05PRN	1/2"	45	50
41.31.315	VS0139M07PRN	3/4"	35	30
41.31.325	VS0139M10PRN	1"	35	25
41.31.335	VS0139M12PRN	1 1/4"	25	12

**BALL VALVE MOD. 139M M/F - FULL BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
 / KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



**139M**



CODE	TECH. CODE	SIZE 	PN	
41.31.306	VS0139M05PBN	1/2"	45	70
41.31.316	VS0139M07PBN	3/4"	35	50
41.31.326	VS0139M10PBN	1"	35	30

**BALL VALVE MOD. 139M M/F - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE**

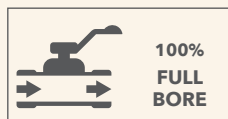
/ VALVOLA A SFERA MOD. 139M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 139M AG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 139M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



**139M**

CODE	TECH. CODE	SIZE 	PN	
41.31.307	VS0139M05PNN	1/2"	45	70
41.31.317	VS0139M07PNN	3/4"	35	50
41.31.327	VS0139M10PNN	1"	35	30

# 141 - F/F



## BALL VALVE MOD. 141 F/F - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 141

CODE	TECH. CODE	SIZE	PN	
41.31.370	VS0141003ARN	3/8"	45	90
41.31.380	VS0141005ARN	1/2"	45	60
41.31.390	VS0141007ARN	3/4"	35	40
41.31.400	VS0141010ARN	1"	35	30
41.31.410	VS0141012ARN	1 1/4"	25	12
41.31.420	VS0141015ARN	1 1/2"	25	8
41.31.430	VS0141020ARN	2"	25	5

### RED IRON HANDLE

/ MANIGLIA IN FERRO ROSSA  
 / ROT EISENHEBELGRIFF  
 / MANETTE ACIER LEVIER ROUGE

41.31.440	VS0141025ARN	2 1/2"	25	3
41.31.450	VS0141030ARN	3"	16	2
41.31.460	VS0141040ARN	4"	16	2

## BALL VALVE MOD. 141 F/F - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 141

CODE	TECH. CODE	SIZE	PN	
41.31.372	VS0141003ANN	3/8"	45	90
41.31.382	VS0141005ANN	1/2"	45	60
41.31.392	VS0141007ANN	3/4"	35	40
41.31.402	VS0141010ANN	1"	35	30
41.31.412	VS0141012ANN	1 1/4"	25	12
41.31.422	VS0141015ANN	1 1/2"	25	8
41.31.432	VS0141020ANN	2"	25	5

## BALL VALVE MOD. 141 F/F - FULL BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO BLU  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM HEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER BLEU



### 141

CODE	TECH. CODE	SIZE	PN	
41.31.381	VS0141005ABN	1/2"	45	60
41.31.391	VS0141007ABN	3/4"	35	40
41.31.401	VS0141010ABN	1"	35	30

## BALL VALVE MOD. 141 F/F - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND ROT EISENHEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



### 141

CODE	TECH. CODE	SIZE	PN	
41.31.383	VS0141005FRN	1/2"	45	60
41.31.393	VS0141007FRN	3/4"	35	40
41.31.403	VS0141010FRN	1"	35	30
41.31.413	VS0141012FRN	1 1/4"	25	12
41.31.423	VS0141015FRN	1 1/2"	25	8
41.31.433	VS0141020FRN	2"	25	5

**BALL VALVE MOD. 141 F/F - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



**141**

CODE	TECH. CODE	SIZE	PN	
41.31.375	VS0141003PRN	3/8"	45	130
41.31.385	VS0141005PRN	1/2"	45	80
41.31.395	VS0141007PRN	3/4"	35	50
41.31.405	VS0141010PRN	1"	35	35
41.31.415	VS0141012PRN	1 1/4"	25	20

**BALL VALVE MOD. 141 F/F - FULL BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



**141**

CODE	TECH. CODE	SIZE	PN	
41.31.386	VS0141005PBN	1/2"	45	80
41.31.396	VS0141007PBN	3/4"	35	50
41.31.406	VS0141010PBN	1"	35	35

**BALL VALVE MOD. 141 F/F - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 141 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 141 IG/IG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 141 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



**141**

CODE	TECH. CODE	SIZE	PN	
41.31.387	VS0141005PNN	1/2"	45	80
41.31.397	VS0141007PNN	3/4"	35	50
41.31.407	VS0141010PNN	1"	35	35
41.31.417	VS0141012PNN	1 1/4"	25	20

# 147 - F/M



## BALL VALVE MOD. 147 F/M - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 147

CODE	TECH. CODE	SIZE	PN	
41.31.510	VS0147002ARN	1/4"	45	100
41.31.520	VS0147003ARN	3/8"	45	90
41.31.530	VS0147005ARN	1/2"	45	60
41.31.540	VS0147007ARN	3/4"	35	40
41.31.550	VS0147010ARN	1"	35	25
41.31.560	VS0147012ARN	1 1/4"	20	15
41.31.570	VS0147015ARN	1 1/2"	20	12
41.31.580	VS0147020ARN	2"	20	6

## BALL VALVE MOD. 147 F/M - FULL BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO BLU  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND BLAU ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER BLEU



### 147

CODE	TECH. CODE	SIZE	PN	
41.31.531	VS0147005ABN	1/2"	45	60
41.31.541	VS0147007ABN	3/4"	35	40
41.31.551	VS0147010ABN	1"	35	25

## BALL VALVE MOD. 147 F/M - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIR



### 147

CODE	TECH. CODE	SIZE	PN	
41.31.522	VS0147003ANN	3/8"	45	90
41.31.532	VS0147005ANN	1/2"	45	60
41.31.542	VS0147007ANN	3/4"	35	40
41.31.552	VS0147010ANN	1"	35	25
41.31.562	VS0147012ANN	1 1/4"	20	15
41.31.572	VS0147015ANN	1 1/2"	20	12
41.31.582	VS0147020ANN	2"	20	6

## BALL VALVE MOD. 147 F/M - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND ROT EISENHEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



### 147

CODE	TECH. CODE	SIZE	PN	
41.31.533	VS0147005FRN	1/2"	45	60
41.31.543	VS0147007FRN	3/4"	35	40
41.31.553	VS0147010FRN	1"	35	25
41.31.563	VS0147012FRN	1 1/4"	20	15
41.31.573	VS0147015FRN	1 1/2"	20	12
41.31.583	VS0147020FRN	2"	20	6

**BALL VALVE MOD. 147 F/M - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



**147**

CODE	TECH. CODE	SIZE	PN	
41.31.525	VS0147003PRN	3/8"	45	130
41.31.535	VS0147005PRN	1/2"	45	80
41.31.545	VS0147007PRN	3/4"	35	50
41.31.555	VS0147010PRN	1"	35	30
41.31.565	VS0147012PRN	1 1/4"	20	20

**BALL VALVE MOD.147 F/M - FULL BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



**147**

CODE	TECH. CODE	SIZE	PN	
41.31.536	VS0147005PBN	1/2"	45	80
41.31.546	VS0147007PBN	3/4"	35	50
41.31.556	VS0147010PBN	1"	35	30

**BALL VALVE MOD.147 F/M - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE**

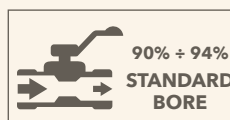
/ VALVOLA A SFERA MOD. 147 F/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 147 IG/AG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 147 F/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



**147**

CODE	TECH. CODE	SIZE	PN	
41.31.537	VS0147005PNN	1/2"	45	80
41.31.547	VS0147007PNN	3/4"	35	50
41.31.557	VS0147010PNN	1"	35	30
41.31.567	VS0147012PNN	1 1/4"	20	20

# 140 - F/F



## BALL VALVE MOD. 140 F/F - STANDARD BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER ROUGE



## BALL VALVE MOD. 140 F/F - STANDARD BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO BLU  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND BLAU ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER BLEU



### 140

CODE	TECH. CODE	SIZE	PN	
41.31.670	VS0140005ARN	1/2"	40	60
41.31.680	VS0140007ARN	3/4"	30	40
41.31.690	VS0140010ARN	1"	30	30
41.31.700	VS0140012ARN	1 1/4"	20	15
41.31.710	VS0140015ARN	1 1/2"	20	12
41.31.720	VS0140020ARN	2"	20	6

### 140

CODE	TECH. CODE	SIZE	PN	
41.31.671	VS0140005ABN	1/2"	40	60
41.31.681	VS0140007ABN	3/4"	30	40
41.31.691	VS0140010ABN	1"	30	30

## BALL VALVE MOD. 140 F/F - STANDARD BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO NERA  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER NOIRE



## BALL VALVE MOD. 140 F/F - STANDARD BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN FERRO ROSSA  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND ROT EISENHEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ACIER LEVIER ROUGE



### 140

CODE	TECH. CODE	SIZE	PN	
41.31.672	VS0140005ANN	1/2"	40	60
41.31.682	VS0140007ANN	3/4"	30	40
41.31.692	VS0140010ANN	1"	30	30
41.31.702	VS0140012ANN	1 1/4"	20	15
41.31.712	VS0140015ANN	1 1/2"	20	12
41.31.722	VS0140020ANN	2"	20	6

### 140



CODE	TECH. CODE	SIZE	PN	
41.31.673	VS0140005FRN	1/2"	40	60
41.31.683	VS0140007FRN	3/4"	30	40
41.31.693	VS0140010FRN	1"	30	30
41.31.703	VS0140012FRN	1 1/4"	20	15
41.31.713	VS0140015FRN	1 1/2"	20	12
41.31.723	VS0140020FRN	2"	20	6

**BALL VALVE MOD. 140 F/F - STANDARD BORE AND BLUE IRON HANDLE**

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN FERRO BLU  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND BLAU EISENHEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ACIER LEVIER BLEU



**140**



CODE	TECH. CODE	SIZE 	PN	
41.31.674	VS0140005FBN	1/2"	40	60
41.31.684	VS0140007FBN	3/4"	30	40
41.31.694	VS0140010FBN	1"	30	30
41.31.704	VS0140012FBN	1 1/4"	20	15
41.31.714	VS0140015FBN	1 1/2"	20	12
41.31.724	VS0140020FBN	2"	20	6

**BALL VALVE MOD. 140 F/F - STANDARD BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON BLEU



**140**



CODE	TECH. CODE	SIZE 	PN	
41.31.676	VS0140005PBN	1/2"	40	90
41.31.686	VS0140007PBN	3/4"	30	50
41.31.696	VS0140010PBN	1"	30	40

**BALL VALVE MOD.140 F/F - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



**140**



CODE	TECH. CODE	SIZE 	PN	
41.31.675	VS0140005PRN	1/2"	40	90
41.31.685	VS0140007PRN	3/4"	30	50
41.31.695	VS0140010PRN	1"	30	40
41.31.705	VS0140012PRN	1 1/4"	20	25

**BALL VALVE MOD. 140 F/F - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE**

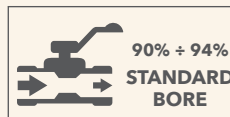
/ VALVOLA A SFERA MOD. 140 F/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 140 IG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140 F/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



**140**

CODE	TECH. CODE	SIZE 	PN	
41.31.677	VS0140005PNN	1/2"	40	90
41.31.687	VS0140007PNN	3/4"	30	50
41.31.697	VS0140010PNN	1"	30	40

# 140M - M/F



## BALL VALVE MOD. 140M M/F - STANDARD BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER ROUGE



### 140M

CODE	TECH. CODE	SIZE	PN	
41.31.730	VS0140M05ARN	1/2"	40	60
41.31.740	VS0140M07ARN	3/4"	30	40
41.31.750	VS0140M10ARN	1"	30	25
41.31.001	VS0140M12ARN	1 1/4"	20	15
41.31.018	VS0140M15ARN	1 1/2"	20	12
41.31.023	VS0140M20ARN	2"	20	6

## BALL VALVE MOD. 140M M/F - STANDARD BORE AND BLUE ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO BLU  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND BLAU ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER BLEU



### 140M

CODE	TECH. CODE	SIZE	PN	
41.31.731	VS0140M05ABN	1/2"	40	60
41.31.741	VS0140M07ABN	3/4"	30	40
41.31.751	VS0140M10ABN	1"	30	25

## BALL VALVE MOD. 140M M/F - STANDARD BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO NERA  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM LEVIER NOIRE



### 140M

CODE	TECH. CODE	SIZE	PN	
41.31.732	VS0140M05ANN	1/2"	40	60
41.31.742	VS0140M07ANN	3/4"	30	40
41.31.752	VS0140M10ANN	1"	30	25
41.31.004	VS0140M12ANN	1 1/4"	20	15
41.31.020	VS0140M15ANN	1 1/2"	20	12
41.31.025	VS0140M20ANN	2"	20	6

## BALL VALVE MOD. 140M M/F - STANDARD BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN FERRO ROSSA  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND ROT EISENHEBELGRIF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ACIER LEVIER ROUGE



### 140M

CODE	TECH. CODE	SIZE	PN	
41.31.733	VS0140M05FRN	1/2"	40	60
41.31.743	VS0140M07FRN	3/4"	30	40
41.31.753	VS0140M10FRN	1"	30	25
41.31.763	VS0140M12FRN	1 1/4"	20	15
41.31.773	VS0140M15FRN	1 1/2"	20	12
41.31.026	VS0140M20FRN	2"	20	6



**BALL VALVE MOD. 140M M/F - STANDARD BORE AND BLUE IRON HANDLE**

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN FERRO BLU  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND BLAU EISENHEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ACIER LEVIER BLEU





**BALL VALVE MOD. 140M M/F - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE**



/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



**140M**

CODE	TECH. CODE	SIZE 	PN	
41.31.734	VS0140M05FBN	1/2"	40	60
41.31.744	VS0140M07FBN	3/4"	30	40
41.31.754	VS0140M10FBN	1"	30	25

**140M**

CODE	TECH. CODE	SIZE 	PN	
41.31.735	VS0140M05PRN	1/2"	40	90
41.31.745	VS0140M07PRN	3/4"	30	60
41.31.755	VS0140M10PRN	1"	30	35
41.31.002	VS0140M12PRN	1 1/4"	20	20

**BALL VALVE MOD. 140M M/F - STANDARD BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA BLU  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON BLEU





**BALL VALVE MOD. 140M M/F - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE**



/ VALVOLA A SFERA MOD. 140M M/F - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 140M AG/IG - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 140M M/F - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



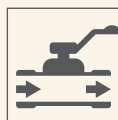
**140M**

CODE	TECH. CODE	SIZE 	PN	
41.31.736	VS0140M05PBN	1/2"	40	90
41.31.746	VS0140M07PBN	3/4"	30	60
41.31.756	VS0140M10PBN	1"	30	35

**140M**

CODE	TECH. CODE	SIZE 	PN	
41.31.737	VS0140M05PNN	1/2"	40	90
41.31.747	VS0140M07PNN	3/4"	30	60
41.31.757	VS0140M10PNN	1"	30	35

# 148 - M/M



100%  
FULL  
BORE

ISO  
228



## BALL VALVE MOD. 148 M/M - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 148 M/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 148 AG/AG - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 148 M/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



### 148

CODE	TECH. CODE	SIZE	PN	
41.31.600	VS0148003ARN	3/8"	45	90
41.31.610	VS0148005ARN	1/2"	45	60
41.31.620	VS0148007ARN	3/4"	35	40
41.31.630	VS0148010ARN	1"	35	25
41.31.640	VS0148012ARN	1 1/4"	20	15
41.31.650	VS0148015ARN	1 1/2"	20	12
41.31.660	VS0148020ARN	2"	20	6

## BALL VALVE MOD. 148 M/M - FULL BORE AND BLACK ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 148 M/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO NERA  
/ KUGELHAHN MOD. 148 AG/AG - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 148 M/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER NOIRE



### 148

CODE	TECH. CODE	SIZE	PN	
41.31.612	VS0148005ANN	1/2"	45	60
41.31.622	VS0148007ANN	3/4"	35	40
41.31.632	VS0148010ANN	1"	35	25

## BALL VALVE MOD. 148 M/M - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD. 148 M/M - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
/ KUGELHAHN MOD. 148 AG/AG - VOLLER DURCHGANG UND ROT EISENHEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 148 M/M - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



### 148

CODE	TECH. CODE	SIZE	PN	
41.31.613	VS0148005FRN	1/2"	45	60
41.31.623	VS0148007FRN	3/4"	35	40
41.31.633	VS0148010FRN	1"	35	25
41.31.643	VS0148012FRN	1 1/4"	20	15
41.31.653	VS0148015FRN	1 1/2"	20	12
41.31.663	VS0148020FRN	2"	20	6

## BALL VALVE MOD. 148 M/M - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

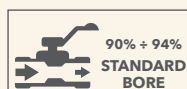
/ VALVOLA A SFERA MOD. 148 M/M - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 148 AG/AG - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 148 M/M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



### 148

CODE	TECH. CODE	SIZE	PN	
41.31.605	VS0148003PRN	3/8"	45	130
41.31.615	VS0148005PRN	1/2"	45	80
41.31.625	VS0148007PRN	3/4"	35	50
41.31.635	VS0148010PRN	1"	35	30

# 141A - F/F



**BALL VALVE MOD.141A F/F 90° -  
STANDARD BORE AND RED ALUMINIUM  
BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 141A F/F 90° -  
PASSAGGIO STANDARD E MANIGLIA IN  
ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 141A IG/IG 90° - STANDARD  
DURCHGANG UND ROT ALUMINIUM  
FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 141A  
F/F 90° - PASSAGE STANDARD ET MANETTE  
ALUMINIUM PAPILLON ROUGE



## 141A

CODE	TECH. CODE	SIZE	PN	
41.32.150	VS0141A05PRN	1/2"	45	70
41.32.160	VS0141A07PRN	3/4"	35	50

# 148A - M/M



**BALL VALVE MOD.148A M/M 90° -  
STANDARD BORE AND RED ALUMINIUM  
BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD.148A M/M 90° -  
PASSAGGIO STANDARD MANIGLIA IN  
ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD.148A AG/AG 90° -  
STANDARD DURCHGANG UND ROT ALUMINIUM  
FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 148A  
M/M 90° - PASSAGE STANDARD ET MANETTE  
ALUMINIUM PAPILLON ROUGE



## 148A

CODE	TECH. CODE	SIZE	PN	
41.32.180	VS0148A05PRN	1/2"	45	70
41.32.190	VS0148A07PRN	3/4"	35	50

# 147B - F/M



**BALL VALVE MOD. 147B F/M 90° -  
STANDARD BORE AND RED ALUMINIUM  
BUTTERFLY HANDLE**

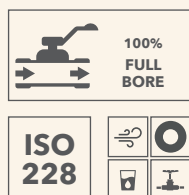
/ VALVOLA A SFERA MOD. 147B F/M 90° -  
PASSAGGIO STANDARD E MANIGLIA IN  
ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 147B IG/AG 90° -  
STANDARD DURCHGANG UND ROT ALUMINIUM  
FLÜGELGRIFF ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 147B  
F/M 90° - PASSAGE STANDARD ET MANETTE  
ALUMINIUM PAPILLON ROUGE



## 147B

CODE	TECH. CODE	SIZE	PN	
41.32.120	VS0147B05PRN	1/2"	45	70
41.32.130	VS0147B07PRN	3/4"	35	50
41.32.140	VS0147B10PRN	1"	35	25

# 141L - F/F



BALL VALVE MOD. 141L F/F WITH ASSEMBLED AXE EXTENSION FOR HEAT INSULATION - FULL BORE AND RED IRON HANDLE

- / VALVOLA A SFERA MOD. 141L F/F CON PROLUNGATORE D'ASTA PER ISOLAMENTO TERMICO - PASSAGGIO TOTALE E MANIGLIA FERRO ROSSA
- / KUGELHAHN MOD. 141L IG/IG MIT MONTIERTER VERLÄNGERUNG FÜR WÄRMEDÄMMUNG - VOLLER DURCHGANG ROT UND ALUMINIUM EISENHEBELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 141L F/F AVEC ALLONGE POUR ISOLATION THERMIQUE - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



## 141L

CODE	TECH. CODE	SIZE	PN	
41.32.275	VSL141005FRN	1/2"	45	40
41.32.280	VSL141007FRN	3/4"	35	30
41.32.285	VSL141010FRN	1"	35	25
41.32.290	VSL141012FRN	1 1/4"	25	10
41.32.295	VSL141015FRN	1 1/2"	25	6
41.32.300	VSL141020FRN	2"	25	4

# 141H - F/F



BALL VALVE MOD. 141H F/F WITH ASSEMBLED EXTENSION FOR HEAT INSULATION AND RED ALUMINIUM HANDLE

- / VALVOLA A SFERA MOD. 141H F/F CON PROLUNGA FISSA PER ISOLAMENTO TERMICO E MANIGLIA IN ALLUMINIO ROSSA
- / KUGELHAHN MOD. 141H AG/AG MIT MONTIERTER VERLÄNGERUNG FÜR WÄRMEDÄMMUNG ROT UND ALUMINIUM HEBELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 141H F/F AVEC ALLONGE POUR ISOLATION THERMIQUE ET MANETTE ALUMINIUM LEVIER ROUGE



## 141H

CODE	TECH. CODE	SIZE	PN	
41.32.302	VSH141005ARN	1/2"	45	40
41.32.303	VSH141007ARN	3/4"	35	30
41.32.304	VSH141010ARN	1"	35	25
41.32.305	VSH141012ARN	1 1/4"	25	12
41.32.306	VSH141015ARN	1 1/2"	25	8
41.32.307	VSH141020ARN	2"	25	6

**EXTENSION FOR HEAT INSULATION**

/ ESTENSIONE PER ISOLAMENTO TERMICO  
 / SPINDELVERLÄNGERUNG FÜR  
 WÄRMENGERUNG  
 / ALLONGE TOURNANTE



**610 - 949**

CODE	TECH. CODE	EXTENSION		
41.32.910	VA094900310N	A	10	150
41.32.911	VA094901215N	B	10	80
41.32.912	VA061002000N	C	10	60
41.32.913	VA061002530N		-	1

CODE	MOD. OF EXTENSION		
	A	B	C

139			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

139M			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

140			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"	•		
1 1/2"		•	
2"		•	

140M			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"	•		
1 1/2"		•	
2"		•	

140B			
1/2"	•		
3/4"	•		
1"	•		

141			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

141A			
1/2"	•		
3/4"	•		
1"	•		

CODE	MOD. OF EXTENSION		
	A	B	C

143			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"			•

143M			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"			•

144			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

144M			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

145			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"			•

146A			
1/2"	•		
3/4"	•		
1"	•		

146B			
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	

CODE	MOD. OF EXTENSION		
	A	B	C

147			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

147B			
1/2"	•		
3/4"	•		
1"	•		

148			
3/8"	•		
1/2"	•		
3/4"	•		
1"	•		
1 1/4"		•	
1 1/2"		•	
2"		•	

148A			
1/2"	•		
3/4"	•		

149			
1/2"	•		
3/4"	•		
1"	•		

303			
15	•		
18	•		
22	•		
28	•		
35		•	

# ACCESSORIES

/ ACCESSORI  
/ ZUBEHÖR  
/ ACCESSOIRES

## RED ALUMINIUM HANDLE

/ MANIGLIA IN ALLUMINIO ROSSA  
/ ROTER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER ROUGE



CODE	TECH. CODE	SIZE 	
41.32.800	MNLEVAL00AROS	LA6	300
41.32.801	MNLEVAL00BROS	LA7	250
41.32.802	MNLEVAL00CROS	LA8	100
41.32.803	MNLEVAL00DROS	LA9	80

## RED ALUMINIUM BUTTERFLY HANDLE

/ MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ ROTER ALUMINIUM FLÜGELGRIFF  
/ MANETTE ALUMINIUM PAPILLON ROUGE





CODE	TECH. CODE	SIZE 	
41.32.820	MNFARAL00EROS	FA3	800
41.32.821	MNFARAL00FROS	FA4	500
41.32.822	MNFARAL00GROS	FA5	250

## MANETTE ACIER REVETEMENT PLASTIQUE ROUGE

/ MANIGLIA PIATTA IN FERRO ZINCATA CON COPERTURA IN PLASTICA ROSSA  
/ VERZINKTER EISENHEBELGRIFF KUNSTSTOFFBESCHICHTET ROT  
/ MANETTE ACIER REVETEMENT PLASTIQUE ROUGE





CODE	TECH. CODE	SIZE 	
41.32.840	MNLEVPL000ROS	LP0	400
41.32.841	MNLEVPL001ROS	LP1	200
41.32.842	MNLEVPL002ROS	LP2	150
41.32.843	MNLEVPL003ROS	LP3	100

## BLACK ALUMINIUM HANDLE

/ MANIGLIA IN ALLUMINIO NERA  
/ SCHWARZER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM PAPILLON NOIRE





CODE	TECH. CODE	SIZE 	
41.32.815	MNLEVAL00ANER	LA6	300
41.32.816	MNLEVAL00BNER	LA7	250
41.32.817	MNLEVAL00CNER	LA8	100
41.32.818	MNLEVAL00DNER	LA9	80

## BLUE ALUMINIUM HANDLE

/ MANIGLIA IN ALLUMINIO BLU  
/ BLAUER ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER BLEU





CODE	TECH. CODE	SIZE 	
41.32.805	MNLEVAL00ABLU	LA6	300
41.32.806	MNLEVAL00BBLU	LA7	250
41.32.807	MNLEVAL00CBLU	LA8	100
41.32.808	MNLEVAL00DBLU	LA9	80

## BLUE ALUMINIUM BUTTERFLY HANDLE

/ MANIGLIA IN ALLUMINIO A FARFALLA BLU  
/ BLAUER ALUMINIUM FLÜGELGRIFF  
/ MANETTE PAPILLON EN ALUMINIUM BLEU





CODE	TECH. CODE	SIZE 	
41.32.825	MNFARAL00EBLU	FA3	800
41.32.826	MNFARAL00FBLU	FA4	500
41.32.827	MNFARAL00GBLU	FA5	250

## BLUE PLASTIC COVERED FLAT IRON ZINC PLATED HANDLE

/ MANIGLIA PIATTA IN FERRO ZINCATA CON COPERTURA IN PLASTICA BLU  
/ VERZINKTER EISENHEBELGRIFF KUNSTSTOFFBESCHICHTET BLAU  
/ MANETTE ACIER REVETEMENT PLASTIQUE BLEU





CODE	TECH. CODE	SIZE 	
41.32.845	MNLEVPL000BLU	LP0	400
41.32.846	MNLEVPL001BLU	LP1	200
41.32.847	MNLEVPL002BLU	LP2	150
41.32.848	MNLEVPL003BLU	LP3	100

## BLACK ALUMINIUM BUTTERFLY HANDLE

/ MANIGLIA IN ALLUMINIO A FARFALLA NERA  
/ SCHWARZER ALUMINIUM FLÜGELGRIFF  
/ MANETTE PAPILLON EN ALUMINIUM NOIRE



CODE	TECH. CODE	SIZE 	
41.32.835	MNFARAL00ENER	FA3	800
41.32.836	MNFARAL00FNER	FA4	500
41.32.837	MNFARAL00GNER	FA5	250

**STEEL HANDLE FIXING NUT**

/ DADO DI FISSAGGIO IN ACCIAIO PER MANIGLIA  
 / FIXIERMUTTER IN STAHL FÜR HANDGRIFF  
 / ÉCROU ACIER POUR MANETTE ACIER



CODE	TECH. CODE	SIZE	
41.32.900	DADINO09MA00C	small size	4000
41.32.901	DADINO012000C	big size	2500

ART. NUMBER / ARTICOLO / ARTIKEL / ARTICLE	TYPE OF HANDLE / TIPOLOGIA MANIGLIA / GRIFF / TYPE DE POIGNÉE		
	ALUMINIUM	IRON	BUTTERFLY

139 - 139M			
3/8"	LA6	LP0	FA3
1/2"	LA6	LP0	FA3
3/4"	LA7	LP1	FA4
1"	LA7	LP1	FA4
1 1/4"	LA8	LP2	FA5
1 1/2"	LA8	LP2	-
2"	LA9	LP3	-

140 - 140M			
1/2"	LA6	LP0	FA3
3/4"	LA6	LP0	FA4
1"	LA7	LP1	FA4
1 1/4"	LA7	LP1	FA4
1 1/2"	LA8	LP2	-
2"	LA9	LP3	-

141 - 147 - 148			
3/8"	LA6	LP0	FA3
1/2"	LA6	LP0	FA3
3/4"	LA7	LP0	FA4
1"	LA7	LP1	FA4
1 1/4"	LA8	LP2	FA5
1 1/2"	LA8	LP2	-
2"	LA9	LP3	-

144 - 144M - 149			
1/2"	LA6	LP0	FA3
3/4"	LA7	LP1	FA4
1"	LA7	LP1	FA4
1 1/4"	LA8	LP2	FA5
1 1/2"	LA8	LP2	-
2"	LA9	LP3	-

141A - 147B - 148A			
1/2"	-	-	FA3
3/4"	-	-	FA4
1"	-	-	FA4

303			
15	LA6	LP0	FA3
18	LA6	LP0	FA3
22	LA7	LP1	FA4
28	LA7	LP1	FA4
35	LA8	LP2	FA5

315 - 317			
1/2" x 16	LA6	LP0	FA3
1/2" x 20	LA6	LP0	FA3

**MINI BALL VALVES**

**MINI BALL VALVE MOD. 307 F/F - BLACK HANDLE**

/ VALVOLA A SFERA MINI MOD. 307 F/F - MANIGLIA NERA  
 / MINI-KUGELHAHN MOD. 307 IG/IG - SCHWARZER GRIFF  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 307 F/F - MANETTE NOIRE



**307**

CODE	TECH. CODE	SIZE	PN	
41.22.312	VS0307002ANN	1/4" x 1/4"	10	150
41.22.316	VS0307003ANN	3/8" x 3/8"	10	150
41.22.321	VS0307005ANN	1/2" x 1/2"	10	150

**MINI BALL VALVE MOD. 306 M/F - BLACK HANDLE**

/ VALVOLA A SFERA MINI MOD. 306 M/F - MANIGLIA NERA  
 / MINI-KUGELHAHN MOD. 306 AG/IG - SCHWARZER GRIFF  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 306 M/F - MANETTE NOIRE



**306**

CODE	TECH. CODE	SIZE	PN	
41.22.300	VS0306002ANN	1/4" x 1/4"	10	150
41.22.304	VS0306003ANN	3/8" x 3/8"	10	150
41.22.308	VS0306005ANN	1/2" x 1/2"	10	150

**MINI BALL VALVE MOD. 306 M/F - BLUE HANDLE**

/ VALVOLA A SFERA MINI MOD. 306 M/F - MANIGLIA BLU  
 / MINI-KUGELHAHN MOD. 306 AG/IG - BLAUER GRIFF  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 306 M/F - MANETTE BLEU



**306**

CODE	TECH. CODE	SIZE	PN	
41.22.310	VS0306005ABN	1/2" x 1/2"	10	150

**MINI BALL VALVE MOD. 306 M/F - RED HANDLE**

/ VALVOLA A SFERA MINI MOD. 306 M/F - MANIGLIA ROSSA  
 / MINI-KUGELHAHN MOD. 306 AG/IG - ROTER GRIFF  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 306 M/F - MANETTE ROUGE



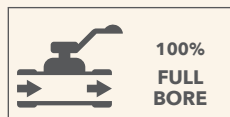
**306**

CODE	TECH. CODE	SIZE	PN	
41.22.309	VS0306005ARN	1/2" x 1/2"	10	150

# BALL VALVES FOR SPECIAL APPLICATIONS

/ VALVOLE A SFERA PER APPLICAZIONI SPECIALI  
/ KUGELHÄHNE FÜR SONDERANWENDUNGEN  
/ VANNES À BOISSEAU SPHÉRIQUE POUR APPLICATIONS SPÉCIALES

## 144 - F/F



100%  
FULL  
BORE

ISO  
228



### BALL VALVE MOD. 144 F/F WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD.144 F/F CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 144 IG/IG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MO. 144 F/F AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



#### 144

CODE	TECH. CODE	SIZE	PN	
41.31.830	VS0144005ARN	1/2"	45	40
41.31.840	VS0144007ARN	3/4"	35	25
41.31.850	VS0144010ARN	1"	35	20
41.31.860	VS0144012ARN	1 1/4"	20	12
41.31.870	VS0144015ARN	1 1/2"	20	8
41.31.880	VS0144020ARN	2"	20	5

### BALL VALVE MOD. 144 F/F WITH DRAIN OFF - FULL BORE AND RED IRON HANDLE

/ VALVOLA A SFERA MOD.144 F/F CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN FERRO ROSSA  
/ KUGELHAHN MOD. 144 IG/IG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT EISENHEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MODÈLE 144 F/F AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER ROUGE



#### 144

CODE	TECH. CODE	SIZE	PN	
41.31.833	VS0144005FRN	1/2"	45	40
41.31.843	VS0144007FRN	3/4"	35	25
41.31.853	VS0144010FRN	1"	35	20
41.31.863	VS0144012FRN	1 1/4"	20	12
41.31.873	VS0144015FRN	1 1/2"	20	8
41.31.883	VS0144020FRN	2"	20	5

### BALL VALVE MOD. 144 F/F WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD.144 F/F CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 144 IG/IG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MODÈLE 144 F/F AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 144

CODE	TECH. CODE	SIZE	PN	
41.31.835	VS0144005PRN	1/2"	45	50
41.31.845	VS0144007PRN	3/4"	35	35
41.31.855	VS0144010PRN	1"	35	25



# 144M - M/F



ISO  
228



## BALL VALVE MOD. 144M M/F WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD.144M M/F CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 144M AG/IG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 144M M/F AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



## BALL VALVE MOD. 144M M/F WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD.144M M/F CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 144M AG/IG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 144M M/F AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



### 144M

CODE	TECH. CODE	SIZE	PN	
41.31.890	VS0144M05ARN	1/2"	45	40
41.31.900	VS0144M07ARN	3/4"	35	25
41.31.910	VS0144M10ARN	1"	35	20

### 144M

CODE	TECH. CODE	SIZE	PN	
41.31.895	VS0144M05PRN	1/2"	45	50
41.31.905	VS0144M07PRN	3/4"	35	35
41.31.915	VS0144M10PRN	1"	35	25

# 149 - M/M



ISO  
228



## BALL VALVE MOD. 149 M/M WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 149 M/M CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 149 AG/AG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 149 M/M AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER ROUGE



## BALL VALVE MOD. 149 M/M WITH DRAIN OFF - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 149 M/M CON SPURGO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
/ KUGELHAHN MOD. 149 AG/AG MIT ABLASSVENTIL - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 149 M/M AVEC PURGE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



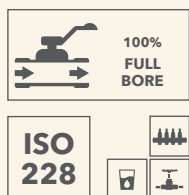
### 149

CODE	TECH. CODE	SIZE	PN	
41.31.950	VS0149005ARN	1/2"	45	40
41.31.960	VS0149007ARN	3/4"	35	25
41.31.970	VS0149010ARN	1"	35	20

### 149

CODE	TECH. CODE	SIZE	PN	
41.31.955	VS0149005PRN	1/2"	45	50
41.31.965	VS0149007PRN	3/4"	35	35
41.31.975	VS0149010PRN	1"	35	25

# 297B



**BALL VALVE MOD. 297B F NUT/TAILPIECE WITH DRAIN OFF AND TEMPERATURE PROBE CONNECTION - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

- / VALVOLA A SFERA MOD. 297B F/CODOLO CON ATTACCO SONDA TERMOMETRO - PASSAGGIO TOTALE MANIGLIA IN ALLUMINIO A FARFALLA ROSSA
- / KUGELHAHN MOD. 297B IG/ ROHRVERSCHRAUBUNG/GERADE AG MIT ANSCHLUSS FÜR TEMPERATURFÜHLER - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 297B F UNION PORTE-THERMOMÈTRE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



## 297B

CODE	TECH. CODE	SIZE	PN	
41.32.395	VS0297B05PRN	1/2"	30	40
41.32.400	VS0297B07PRN	3/4"	30	30
41.32.405	VS0297B10PRN	1"	30	16

# 297F - F/F



**BALL VALVE MOD. 297F F/F WITH DRAIN OFF AND TEMPERATURE PROBE CONNECTION - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

- / VALVOLA A SFERA MOD. 297F F/F CON ATTACCO SONDA TERMOMETRO - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA
- / KUGELHAHN MOD. 297F IG/IG MIT ANSCHLUSS FÜR TEMPERATURFÜHLER - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 297F F/F PORTE-THERMOMÈTRE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



## 297F

CODE	TECH. CODE	SIZE	PN	
41.32.410	VS0297F05PRN	1/2"	30	60
41.32.415	VS0297F07PRN	3/4"	30	40
41.32.420	VS0297F10PRN	1"	30	25

# 847



**PRESS BALL VALVE WITH RED BUTTERFLY HANDLE**

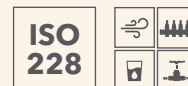
- / VALVOLA A SFERA A PRESSARE CON MANIGLIA A FARFALLA ROSSA
- / PRESS KUGELHAHN MIT FLÜGELGRIFF ROT
- / ROBINET À TOURNANT SPHÉRIQUE À SERTIR DEUX COTÉS ET PAPILLON ROUGE



## 847

CODE	TECH. CODE	SIZE		
87.50.005	VS0847016PRO	16 x 2	10	30
87.50.010	VS0847020PRO	20 x 2	10	30

# 846



**FEMALE PRESS BALL VALVE WITH RED BUTTERFLY HANDLE**

- / VALVOLA A SFERA FEMMINA A PRESSARE CON MANIGLIA A FARFALLA ROSSA
- / PRESS KUGELHAHN IG MIT FLÜGELGRIFF ROT
- / ROBINET À TOURNANT SPHÉRIQUE À SERTIR ET RACCORD FEMELLE ET PAPILLON ROUGE



## 846

CODE	TECH. CODE	SIZE		
87.50.014	VS0846516PRO	16 x 2 - 1/2" F	10	30
87.50.015	VS0846520PRO	20 x 2 - 1/2" F	10	30

# 317



## BALL VALVE MOD. 317 COMPRESSION ENDS FOR MULTILAYER PIPE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 317 A STRINGERE PER TUBO MULTISTRATO MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 317 MIT VERSCHRAUBUNGEN FÜR VERBUNDROHR UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 317 COMPRESSION TUBE MULTICOUCHE ET MANETTE ALUMINIUM PAPILLON ROUGE



## BALL VALVE MOD. 317 COMPRESSION ENDS FOR MULTILAYER PIPE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 317 A STRINGERE PER TUBO MULTISTRATO E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 317 MIT VERSCHRAUBUNGEN FÜR VERBUNDROHR UND ROT ALUMINIUM HEBELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 317 COMPRESSION TUBE MULTICOUCHE ET MANETTE ALUMINIUM LEVIER ROUGE



### 317

CODE	TECH. CODE	SIZE	PN	
41.32.255	VS0317016PRN	16 x 2 •	10	50
41.32.265	VS0317020PRN	20 x 2 •	10	40

• On request / su richiesta / auf Anfrage / sur demande

### 317

CODE	TECH. CODE	SIZE	PN	
41.32.250	VS0317016ARN	16 x 2 •	10	40
41.32.260	VS0317020ARN	20 x 2 •	10	30

• On request / su richiesta / auf Anfrage / sur demande

# 315



## BALL VALVE MOD. 315 F/COMPRESSION FOR MULTILAYER PIPE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 315 F/STRINGERE PER TUBO MULTISTRATO E MANIGLIA IN ALLUMINIO ROSSA A FARFALLA  
 / KUGELHAHN MOD. 315 IG/MIT VERSCHRAUBUNGEN FÜR VERBUNDROHR UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 315 F/A COMPRESSION TUBE MULTICOUCHE ET MANETTE ALUMINIUM PAPILLON ROUGE



## BALL VALVE MOD. 303 FOR COPPER PIPE AND RED ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 303 A COMPRESIONE PER TUBO RAME E MANIGLIA IN ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 303 MIT KLEMMVERSCHRAUBUNG FÜR KUPFERROHR UND ROT ALUMINIUM GRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 303 RACCORD BICÔNE CUIVRE ET MANETTE ALUMINIUM LEVIER ROUGE



### 315

CODE	TECH. CODE	SIZE	PN	
41.32.215	VS0315516PRN	1/2" - 16 x 2	10	50
41.32.225	VS0315520PRN	1/2" - 20 x 2	10	50

### 303

CODE	TECH. CODE	SIZE	PN	
41.32.010	VS0303015ARN	15 mm	16	50
41.32.020	VS0303018ARN	18 mm	16	40
41.32.030	VS0303022ARN	22 mm	16	30
41.32.040	VS0303028ARN	28 mm	16	20
41.32.050	VS0303035ARN	35 mm	16	12

# 349



## BALL VALVE MOD. 349 F/COMPRESSION FOR POLYETHYLENE PIPE AND BLACK ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 349 F/STRINGERE PER TUBO POLIETILENE E MANIGLIA IN ALLUMINIO A FARFALLA NERA  
 / KUGELHAHN MOD. 349 IG/MIT VERSCHRAUBUNGEN FÜR POLYETHYLEN ROHR UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 349 F/A COMPRESSION POUR TUBE POLYÉTHYLÈNE ET MANETTE ALUMINIUM PAPILLON NOIRE



## 349

CODE	TECH. CODE	SIZE	PN	
41.32.060	VS0349525PNN	Ø 25 x 1/2" F	16	40
41.32.061	VS0349725PNN	Ø 25 x 3/4" F	16	30
41.32.062	VS0349732PNN	Ø 32 x 3/4" F	16	20

## BALL VALVE MOD. 600 F/F BUILT-IN WITH CHROME-PLATED CAP - FULL BORE

/ VALVOLA A SFERA MOD. 600 F/F AD INCASSO CON CAPPUCCIO CROMATO - PASSAGGIO TOTALE  
 / KUGELHAHN MOD. 600 IG/IG EINGEBAUT MIT VERCHROMTER KAPPE - VOLLER DURCHGANG  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 600 F/F À ENCASTRER CACHE CHROMÉE - PASSAGE INTÉGRALE



## 600

CODE	TECH. CODE	SIZE	PN	
41.32.472	VA060000500N	1/2"	25	25
41.32.473	VA060000700N	3/4"	25	20

## BALL VALVE MOD. 605 F/F BUILT-IN WITH CHROME-PLATED HANDLE - FULL BORE

/ VALVOLA A SFERA MOD. 605 F/F AD INCASSO CON MANIGLIA CROMATA - PASSAGGIO TOTALE  
 / KUGELHAHN MOD. 605 IG/IG EINGEBAUT MIT VERCHROMTER GRIFF - VOLLER DURCHGANG  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 605 F/F À ENCASTRER AVEC MANETTE CHROMÉE - PASSAGE INTÉGRALE



## 605

CODE	TECH. CODE	SIZE	PN	
41.32.477	VA060500500N	1/2"	25	20
41.32.478	VA060500700N	3/4"	25	15



COMPATIBLE WITH 600 AND 605

## SPINDLE EXTENSION FOR BALL VALVE

/ SET PROLUNGA PER VALVOLA A SFERA  
 / SET FÜR KUGELHAHNVERLÄNGERUNG  
 / ALLONGE POUR VANNES BOISSEAU SPHÉRIQUE





CODE	TECH. CODE	
41.32.479	VA06000PROLO	40

**GATE VALVE MOD. 232 F/F HEAVY PATTERN**

/ VALVOLA A SARACINESCA MOD. 232 F/F SERIE PESANTE  
 / ABSPERRSCHIEBER MOD. 232 IG/IG SCHWERE AUSFÜHRUNG  
 / VANNE GUILLOTINE MOD. 232 F/F SÉRIE LOURDE



**232**

CODE	TECH. CODE	SIZE 	PN	
41.32.711	VA0232005000	1/2"	20	120
41.32.712	VA0232007000	3/4"	20	80
41.32.713	VA0232010000	1"	20	20
41.32.714	VA0232012000	1 1/4"	20	14
41.32.715	VA0232015000	1 1/2"	20	10
41.32.716	VA0232020000	2"	20	6
41.32.717	VA0232025000	2 1/2"	20	2
41.32.718	VA0232030000	3"	20	2
41.32.719	VA0232040000	4"	20	1

**BALL VALVE MOD. 305 M/SWIVEL NUT AND RED ALUMINIUM BUTTERFLY HANDLE**

/ VALVOLA SFERA MOD. 305 M/DADO PRIGIONIERO E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA  
 / KUGELHAHN MOD. 305 AG/GELENKMUTTER UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 305 M/ÉCROU TOURNANT ET MANETTE ALLUMINIUM PAPILLON ROUGE



**305**

CODE	TECH. CODE	SIZE 	PN	
41.32.470	VS0305005PRO	1/2" x 1/2"	10	100

**BALL VALVE MOD. 300 FOR PUMP CONNECTION COMPRESSION END FOR COPPER PIPE**

/ VALVOLA A SFERA MOD. 300 PER CIRCOLATORI A COMPRESSIONE PER TUBO RAME  
 / KUGELHAHN MOD. 300 FÜR PUMPE MIT KLEMMVERBINDER FÜR KUPFERROHR  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 300 POUR POMPE RACCORD BICÔNE POUR TUBE CUIVRE



**300**



CODE	TECH. CODE	SIZE 	PN	
41.32.460	VS0300022000	22	10	30

**GATE VALVE MOD. 231 F/F LIGHT PATTERN**

/ VALVOLA A SARACINESCA MOD. 231 F/F SERIE LEGGERA  
 / ABSPERRSCHIEBER MOD. 231 IG/IG LEICHTE AUSFÜHRUNG  
 / VANNE GUILLOTINE MOD. 231 F/F SÉRIE LÉGÈRE



**231**

CODE	TECH. CODE	SIZE 	PN	
41.32.705	VA0231010000	1"	16	20
41.32.706	VA0231012000	1 1/4"	16	14
41.32.707	VA0231015000	1 1/2"	16	10

**BALL VALVE MOD. 313 FOR BOILERS DRAINAGE HOSE UNION**

/ VALVOLA A SFERA MOD. 313 PER SCARICO CALDAIA CON TAPPO  
 / KESSELFÜLL UND ENTLERUNGSHAHN MOD. 313  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 313 AVEC BOUCHON POUR VIDANGE CHAUDIÈRE



**313**



CODE	TECH. CODE	SIZE 	PN	
41.32.500	VS0313005ARN	1/2" x 3/4"	10	70

**BALL VALVE MOD. 304 FOR PUMP CONNECTION**

/ VALVOLA A SFERA MOD. 304 F PER CIRCOLATORI  
 / KUGELHAHN MOD. 304 IG FÜR PUMPE  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 304 F POUR POMPE



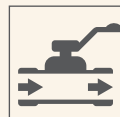
**304**

CODE	TECH. CODE	SIZE 	PN	
41.32.466	VS0304010000	1"	10	30
41.32.467	VS0304012000	1 1/4"	10	25

# BALL VALVES FOR MANIFOLDS

/ VALVOLE A SFERA PER COLLETTORI  
 / KUGELHÄHNE FÜR VERTEILER  
 / VANNES À BOISSEAU SPHÉRIQUE POUR COLLECTEURS

## 146B - F/M



100%  
FULL  
BORE

ISO  
228



### BALL VALVE MOD. 146B F/TAIL PIECE FOR MANIFOLD - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146B F/CODOLO PER COLLETTORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146B IG/GEWINDEANSCHLÜSSE FÜR VERTEILER - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F/UNION M POUR COLLECTEUR - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.790	VS0146B05PRN	1/2"	45	60
41.31.800	VS0146B07PRN	3/4"	35	35
41.31.810	VS0146B10PRN	1"	35	20
41.31.820	VS0146B12PRN	1 1/4"	25	10

### BALL VALVE MOD. 146B F/TAIL PIECE FOR MANIFOLD - FULL BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

VALVOLA A SFERA MOD. 146B F/CODOLO PER COLLETTORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO NERA  
 / KUGELHAHN MOD. 146B IG/GEWINDEANSCHLÜSSE FÜR VERTEILER - VOLLER DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F/UNION M POUR COLLECTEUR - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON NOIRE



#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.792	VS0146B05PNN	1/2"	45	60
41.31.802	VS0146B07PNN	3/4"	35	35
41.31.812	VS0146B10PNN	1"	35	20
41.31.822	VS0146B12PNN	1 1/4"	25	10

### BALL VALVE MOD. 146B F/TAIL PIECE FOR MANIFOLD - FULL BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146B F/CODOLO PER COLLETTORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO BLU  
 / KUGELHAHN MOD. 146B IG/GEWINDEANSCHLÜSSE FÜR VERTEILER - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F/UNION M POUR COLLECTEUR - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.791	VS0146B05PBN	1/2"	45	60
41.31.801	VS0146B07PBN	3/4"	35	35
41.31.811	VS0146B10PBN	1"	35	20
41.31.821	VS0146B12PBN	1 1/4"	25	10

### BALL VALVE MOD. 146B F/TAILPIECE WITH O-RING FOR MANIFOLD - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146B F/CODOLO PER COLLETTORE CON O-RING - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146B IG/GEWINDEANSCHLÜSSE FÜR VERTEILER MIT O-RING - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F/UNION M POUR COLLECTEUR AVEC JOINT TORIQUE - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.804	VS0146B71PRN	3/4" F x 1" M	35	30
88.20.522	VSY146B10PRN	1" F x 1" M •	35	12

• REGULATION RING TAIL / CODOLO PREGUARNITO CON GHIERA GIREVOLE  
 / ROHRVERSCHRAUBUNG MIT O-RING / UNION AVEC JOINT TORIQUE

### BALL VALVE MOD. 146B F WITHOUT TAIL PIECE FOR MANIFOLD - FULL BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146B F SENZA CODOLO PER COLLETTORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146B IG/OHNE GEWINDEANSCHLÜSSE FÜR VERTEILER - VOLLER DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F SANS UNION M - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON ROUGE



#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.805	VSZ146B07PRN	3/4" (A) x 1" (B)	35	50
41.31.815	VSZ146B10PRN	1" (A) x 1 1/4" (B)	35	30

### BALL VALVE MOD. 146B F WITHOUT TAIL PIECE FOR MANIFOLD - FULL BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE

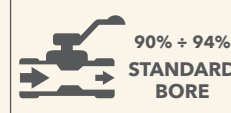
/ VALVOLA A SFERA MOD. 146B F SENZA CODOLO PER COLLETTORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ALLUMINIO BLU  
 / KUGELHAHN MOD. 146B IG/OHNE GEWINDEANSCHLÜSSE FÜR VERTEILER - VOLLER DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE MOD. 146B F/SANS UNION M POUR COLLECTEUR - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON BLEU



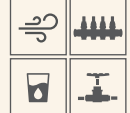
#### 146B

CODE	TECH. CODE	SIZE	PN	
41.31.806	VSZ146B07PBN	3/4" (A) x 1" (B)	35	50
41.31.816	VSZ146B10PBN	1" (A) x 1 1/4" (B)	35	30

# 140B - F/M



ISO  
228



## BALL VALVE MOD. 140B F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 140B F/CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA FARFALLA ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 140B IG/ GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 140B F/ UNION M POUR COLLECTEUR- PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



### 140B

CODE	TECH. CODE	SIZE	PN	
41.31.725	VS0140B05PRN	1/2"	40	60
41.31.726	VS0140B07PRN	3/4"	30	35
41.31.727	VS0140B10PRN	1"	25	20
41.31.728	VS0140B12PRN	1" 1/4	20	10

## BALL VALVE MOD. 140B F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 140B F/CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA FARFALLA ALLUMINIO NERA  
/ KUGELHAHN MOD. 140B IG/ GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 140B F/ UNION M POUR COLLECTEUR- PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



### 140B

CODE	TECH. CODE	SIZE	PN	
41.31.774	VS0140B05PNN	1/2"	40	60
41.31.807	VS0140B07PNN	3/4"	30	35
41.31.808	VS0140B10PNN	1"	25	20

## BALL VALVE MOD. 140B F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 140B F/CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA FARFALLA ALLUMINIO BLU  
/ KUGELHAHN MOD. 140B IG/ GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 140B F/ UNION M POUR COLLECTEUR- PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON BLEU



### 140B

CODE	TECH. CODE	SIZE	PN	
41.31.776	VS0140B05PBN	1/2"	40	60
41.31.777	VS0140B07PBN	3/4"	30	35
41.31.778	VS0140B10PBN	1"	25	20

## BALL VALVE MOD. 140B F WITHOUT TAIL PIECE FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

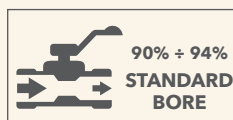
/ VALVOLA A SFERA MOD. 140B F SENZA DADO E CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA FARFALLA ALLUMINIO ROSSA  
/ KUGELHAHN MOD. 140B IG/ OHNE GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 140B F SANS UNION M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



### 140B

CODE	TECH. CODE	SIZE	PN	
41.31.729	VSZ140B10PRN	1" (A) x 1" 1/4 (B)	25	30

# 146A - F/M



## BALL VALVE MOD. 146A 90° F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F/CODOLO 90° PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146A IG/90° GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE 146A F/ UNION COUDÉ M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



## BALL VALVE MOD. 146A F/TAILPIECE WITH O-RING 90° FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F 90° CODOLO PER COLLETTORE CON O-RING - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146A IG/90° GEWINDEANSCHLÜSSE MIT O-RING FÜR VERTEILER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE ÉQUERRE MOD. 146A F/ UNION M POUR COLLECTEUR AVEC JOINT TORIQUE - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



### 146A

CODE	TECH. CODE	SIZE	PN	
41.31.760	VS0146A05PRN	1/2"	45	50
41.31.770	VS0146A07PRN	3/4"	35	30
41.31.780	VS0146A10PRN	1"	35	18

### 146A

CODE	TECH. CODE	SIZE	PN	
41.31.775	VS0146A71PRN	3/4" F x 1" M	35	18
88.20.592	VS0146A10PRN	1" F x 1" M •	35	12

• REGULATION RING TAIL / CODOLO PREGUARNITO CON GHIERA GIREVOLE / ROHRVERSCHRAUBUNG MIT O-RING / UNION AVEC JOINT TORIQUE

## BALL VALVE MOD. 146A 90° F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F/CODOLO 90° PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO BLU  
 / KUGELHAHN MOD. 146A IG/90° GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE 146A F/ UNION COUDÉ M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON BLEU



## BALL VALVE MOD. 146A 90° F/TAIL PIECE FOR MANIFOLD - STANDARD BORE AND BLACK ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F/CODOLO 90° PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO NERA  
 / KUGELHAHN MOD. 146A IG/90° GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND SCHWARZ ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE 146A F/ UNION COUDÉ M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON NOIRE



### 146A

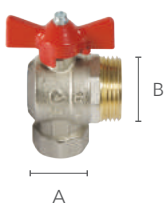
CODE	TECH. CODE	SIZE	PN	
41.31.761	VS0146A05PBN	1/2"	45	50
41.31.771	VS0146A07PBN	3/4"	35	30
41.31.781	VS0146A10PBN	1"	35	18

### 146A

CODE	TECH. CODE	SIZE	PN	
41.31.762	VS0146A05PNN	1/2"	45	50
41.31.772	VS0146A07PNN	3/4"	35	30
41.31.782	VS0146A10PNN	1"	35	18

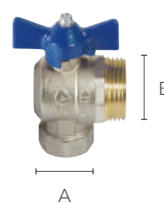
## BALL VALVE MOD. 146A 90° F WITHOUT TAIL PIECE FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F 90° SENZA CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO ROSSA  
 / KUGELHAHN MOD. 146A 90° IG/OHNE GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE ÉQUERRE 146A F/ SANS UNION M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



## BALL VALVE MOD. 146A 90° F WITHOUT TAIL PIECE FOR MANIFOLD - STANDARD BORE AND BLUE ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 146A F 90° SENZA CODOLO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA A FARFALLA ALLUMINIO BLU  
 / KUGELHAHN MOD. 146A 90° IG/OHNE GEWINDEANSCHLÜSSE FÜR VERTEILER - STANDARD DURCHGANG UND BLAU ALUMINIUM FLÜGELGRIFF  
 / VANNE BOISSEAU SPHÉRIQUE ÉQUERRE 146A F/ SANS UNION M POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON BLEU



### 146A

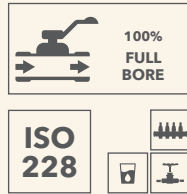
CODE	TECH. CODE	SIZE	PN	
41.31.795	VSZ146A07PRN	3/4" (A) x 1" (B)	35	40
41.31.785	VSZ146A10PRN	1" (A) x 1" 1/4 (B)	35	25

### 146A

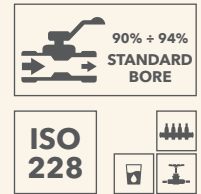
CODE	TECH. CODE	SIZE	PN	
41.31.796	VSZ146A07PBN	3/4" (A) x 1" (B)	35	40
41.31.786	VSZ146A10PBN	1" (A) x 1" 1/4 (B)	35	25



# 603B



# 604B



**BALL VALVE MOD. 603B F/TAILPIECE AND THERMOMETER FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

- / VALVOLA A SFERA MOD.603B F/CODOLO E TERMOMETRO PER COLLETTORE - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA ROSSA
- / KUGELHAHN MOD. 603B IG/ GEWINDEANSCHLÜSSE FÜR VERTEILER UND THERMOMETER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MODÈLE 603B F/ UNION ET THERMOMÈTRE POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



**BALL VALVE MOD. 604B 90° F/TAILPIECE AND THERMOMETER FOR MANIFOLD - STANDARD BORE AND RED ALUMINIUM BUTTERFLY HANDLE**

- / VALVOLA A SFERA MOD. 604B 90° F/CODOLO E TERMOMETRO - PASSAGGIO STANDARD E MANIGLIA ALLUMINIO A FARFALLA ROSSA
- / KUGELHAHN MOD. 604B 90° IG/ GEWINDEANSCHLÜSSE FÜR VERTEILER UND THERMOMETER - STANDARD DURCHGANG UND ROT ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 604B ÉQUERRE F /UNION ET THERMOMÈTRE POUR COLLECTEUR - PASSAGE STANDARD ET MANETTE ALUMINIUM PAPILLON ROUGE



## 603B

CODE	TECH. CODE	SIZE 	PN	
41.31.809	VS0603B10PRN	1" M x 1" F	35	16

## 604B

CODE	TECH. CODE	SIZE 	PN	
41.31.779	VS0604B10PRN	1" M x 1" F	35	12

# BALL VALVES FOR WATER METER

/ VALVOLA A SFERA PER ATTACCO CONTATORE  
 / KUGELHÄHNE FÜR WASSERZÄHLER  
 / VANNE POUR COMPTEUR D'EAU

## BALL VALVE MOD. 701 M/SWIVEL NUT FOR WATER METER - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA MOD.701 M/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN MOD. 701 AG/ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR MOD. 701 M/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



### 701

CODE	TECH. CODE	SIZE	PN	
41.33.050	AC0701005070	1/2" x 3/4"	30	50
41.33.055	AC0701007070	3/4" x 3/4"	30	40
41.33.060	AC0701007100	3/4" x 1"	30	35
41.33.065	AC0701010070	1" x 3/4"	30	35
41.33.070	AC0701010100	1" x 1"	30	30

## BALL VALVE MOD. U701 M/SWIVEL NUT FOR WATER METER OUTLET WITH NON RETURN VALVE - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA FLUSSO IN USCITA MOD. U701 M/DADO PRIGIONIERO PER ATTACCO CONTATORE VALVOLA DI NON RITORNO - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN IM RÜCKLAUF MOD. U701 AG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT RÜCKSCHLAGVENTIL - MESSING FLÜGELGRIFF  
 / VANNE APRÈS COMPTEUR MOD. U701 M/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



Direction of water flow  
 / Direzione dell'acqua  
 / Flussrichtung  
 / Direction de l'eau

### U701

CODE	TECH. CODE	SIZE	
41.33.110	ACU701007070	3/4" x 3/4"	40

## BALL VALVE MOD. E701 M/SWIVEL NUT FOR WATER METER INTLET WITH NON RETURN VALVE - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA FLUSSO IN ENTRATA MOD. E701 M/DADO PRIGIONIERO PER ATTACCO CONTATORE VALVOLA DI NON RITORNO - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN IM VORLAUF MOD. E701 AG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT RÜCKSCHLAGVENTIL - MESSING FLÜGELGRIFF  
 / VANNE AVANT COMPTEUR MOD. E701 M/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



Direction of water flow  
 / Direzione dell'acqua  
 / Fluss richtung  
 / Direction de l'eau

### E701

CODE	TECH. CODE	SIZE	
41.33.094	ACE701005070	1/2" x 3/4"	50
41.33.095	ACE701007070	3/4" x 3/4"	40

## BALL VALVE MOD. 721 M/SWIVEL NUT COMPACT - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA MOD. 721 M/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN MOD.721 AG/ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR MOD. 721 M/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



### 721

CODE	TECH. CODE	SIZE	PN	
41.33.195	AC0721007070	3/4" x 3/4"	30	30

## BALL VALVE MOD. 700 F/SWIVEL NUT FOR WATER METER - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA MOD. 700 F/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE ISO 228  
 / KUGELHAHN MOD.700 IG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT RÜCKSCHLAGVENTIL - MESSING FLÜGELGRIFF ISO 228  
 / VANNE COMPTEUR MOD. 700 F/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



### 700

CODE	TECH. CODE	SIZE	PN	
41.33.005	AC0700005070	1/2" x 3/4"	30	50
41.33.010	AC0700007070	3/4" x 3/4"	30	40
41.33.015	AC0700007100	3/4" x 1" •	30	30
41.33.020	AC0700010070	1" x 3/4" •	30	30
41.33.025	AC0700010100	1" x 1"	30	25

## BALL VALVE MOD. E700 F/SWIVEL NUT FOR WATER METER INTLET WITH NON RETURN VALVE - BRASS BUTTERFLY HANDLE

ISO 228

/ VALVOLA A SFERA FLUSSO IN ENTRATA MOD. E700 F/DADO PRIGIONIERO PER ATTACCO CONTATORE - VALVOLA DI NON RITORNO - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN IM VORLAUF MOD. E700 IG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT RÜCKSCHLAGVENTIL - MESSING FLÜGELGRIFF  
 / VANNE AVANT COMPTEUR MOD. E700 F/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



Direction of water flow  
 / Direzione dell'acqua  
 / Flussrichtung  
 / Direction de l'eau

### E700

CODE	TECH. CODE	SIZE	
41.33.030	ACE700005070	1/2" x 3/4" •	50
41.33.035	ACE700007070	3/4" x 3/4"	40



• On request / su richiesta / auf Anfrage / sur demande

**BALL VALVE 90° MOD. 705 M/SWIVEL NUT - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA 90° MOD. 705 M/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN 90° MOD. 705 AG/ ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR ÉQUERRE MOD.705 M/ ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON

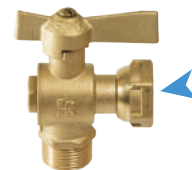
**705**

CODE	TECH. CODE	SIZE 	PN	
41.33.140	AC0705005070	1/2" x 3/4"	30	40
41.33.145	AC0705007070	3/4" x 3/4"	30	40

**BALL VALVE 90° MOD. U705 M/SWIVEL NUT FOR WATER METER OUTLET WITH NON RETURN VALVE - BRASS BUTTERFLY HANDLE**



ISO 228

/ VALVOLA A SFERA 90° FLUSSO IN USCITA MOD. U705 M/DADO PRIGIONIERO PER ATTACCO CONTATORE VALVOLA DI NON RITORNO - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN 90° M RÜCKLAUF MOD.U705 AG/ ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT RÜCKSCHLAGVENTIL - MESSING FLÜGELGRIFF  
 / VANNE APRÈS COMPTEUR ÉQUERRE MOD. U705 M/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



Direction of water flow  
 / Direzione dell'acqua  
 / Flussrichtung  
 / Direction de l'eau

**U705**



CODE	TECH. CODE	SIZE 	PN	
41.33.155	ACU705005070	1/2" x 3/4" •	30	40
41.33.160	ACU705007070	3/4" x 3/4" •	30	40

**BALL VALVE MOD. 703 M/SWIVEL NUT WITH DRAIN OFF - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA 703 M/DADO PRIGIONIERO PER ATTACCO CONTATORE CON SPURGO - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN MOD. 703 AG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT ABLAUF- MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR MOD. 703 M/ÉCROU TOURNANT PRESSE ÉTOUPE AVEC PURGE - PAPILLON EN LAITON

**703**


CODE	TECH. CODE	SIZE 	PN	
41.33.170	AC0703005070	1/2" x 3/4"	30	35
41.33.175	AC0703007070	3/4" x 3/4"	30	30
41.33.180	AC0703010070	1" x 3/4" •	30	24

**BALL VALVE MOD. 702 F/SWIVEL NUT FOR WATER METER WITH DRAIN OFF - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA MOD. 702 F/DADO PRIGIONIERO PER ATTACCO CONTATORE CON SPURGO - MANIGLIA FARFALLA  
 / KUGELHAHN MOD. 702 IG/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT ABLAUF - MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR MOD. 702 F/ÉCROU TOURNANT PRESSE ÉTOUPE AVEC PURGE - PAPILLON EN LAITON

**702**

CODE	TECH. CODE	SIZE 	PN	
41.33.125	AC0702007070	3/4" x 3/4"	30	30

**BALL VALVE 90° MOD. 704 F/SWIVEL NUT FOR WATER METER - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA 90° MOD. 704 F/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
 / KUGELHAHN 90° MOD. 704 IG/ ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
 / VANNE COMPTEUR ÉQUERRE MOD. 704 F/ ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON

**704**

CODE	TECH. CODE	SIZE 	PN	
41.33.135	AC0704007070	3/4" x 3/4" •	30	40

• On request / su richiesta / auf Anfrage / sur demande

**BALL VALVE MOD. 710 POLYETHYLENE PIPE/  
SWIVEL NUT - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA MOD. 710 ATTACCO POLIETILENE/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
/ KUGELHAHN MOD.710 POLYEHTYLEN ANSCHLUSS/ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
/ VANNE COMPTEUR MOD. 710 RACCORD TUBE PE/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



**710**

CODE	TECH. CODE	SIZE	PN	
41.33.220	AC0710025070	25 x 3/4"	30	30
41.33.225	AC0710025100	25 x 1" •	30	25
41.33.230	AC0710032070	32 x 3/4"	30	25
41.33.235	AC0710032100	32 x 1"	30	20

**BALL VALVE 90° MOD. 708 POLYETHYLENE PIPE/SWIVEL NUT - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA 90° MOD. 708 ATTACCO POLIETILENE/DADO PRIGIONIERO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
/ KUGELHAHN 90° MOD. 708 POLYEHTYLEN ANSCHLUSS/ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
/ VANNE COMPTEUR ÉQUERRE MOD. 708 RACCORD TUBE PE/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



**708**

CODE	TECH. CODE	SIZE	PN	
41.33.200	AC0708025070	25 x 3/4"	30	30
41.33.210	AC0708032100	32 x 1"	30	20

**EXTENSION FITTING MOD. 706 FOR WATER METER**

ISO 228

/ PROLUNGA ESTENDIBILE MOD. 706 PER ATTACCO CONTATORE  
/ VERLÄNGERUNG MOD. 706 FÜR WASSERZÄHLER  
/ ALLONGE POUR VANNE COMPTEUR MOD. 706



**706**

CODE	TECH. CODE	SIZE	
41.33.085	EX0706007070	3/4" x 3/4"	70

**BRASS BUTTERFLY HANDLE FOR WATER METER**

/ MANIGLIA IN OTTONE A FARFALLA PER ATTACCO CONTATORE  
/ MESSING FLÜGELGRIFF FÜR WASSERZÄHLER  
/ PAPILLON LAITON POUR VANNE COMPTEUR



CODE	TECH. CODE	
	MNFAROTA/C000	350

**BALL VALVE MOD. E710 POLYETHYLENE PIPE/SWIVEL NUT WATER METER INTLET WITH NON RETURN VALVE - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA FLUSSO IN ENTRATA MOD. E710 ATTACCO POLIETILENE/DADO PRIGIONIERO - PER ATTACCO CONTATORE MANIGLIA FARFALLA OTTONE  
/ KUGELHAHN IM VORLAUF MOD. E710 POLYEHTYLEN ANSCHLUSS/ÜBERWURFMUTTER FÜR WASSERZÄHLER - MESSING FLÜGELGRIFF  
/ VANNE AVANT COMPTEUR MOD. E710 RACCORD TUBE PE/ÉCROU TOURNANT PRESSE ÉTOUPE - PAPILLON EN LAITON



Direction of water flow  
/ Direzione dell'acqua  
/ Flussrichtung  
/ Direction de l'eau

**E710**

CODE	TECH. CODE	SIZE	
41.33.250	ACE710025070	25 x 3/4"	30

**BALL VALVE MOD. 711 POLYETHYLENE PIPE/SWIVEL NUT WITH DRAIN OFF - BRASS BUTTERFLY HANDLE**

ISO 228

/ VALVOLA A SFERA MOD. 711 ATTACCO POLIETILENE/DADO PRIGIONIERO CON SPURGO PER ATTACCO CONTATORE - MANIGLIA FARFALLA OTTONE  
/ KUGELHAHN MOD.711 POLYEHTYLEN ANSCHLUSS/ÜBERWURFMUTTER FÜR WASSERZÄHLER MIT ABLAUF - MESSING FLÜGELGRIFF  
/ VANNE COMPTEUR ÉQUERRE MOD. 711 RACCORD TUBE PE/ÉCROU TOURNANT PRESSE ÉTOUPE AVEC PURGE - PAPILLON EN LAITON



**711**

CODE	TECH. CODE	SIZE	PN	
41.33.265	AC0711025070	25 x 3/4"	30	25
41.33.270	AC0711032070	32 x 3/4" •	30	20

**FIXED FITTING MOD. 709 FOR WATER METER**

ISO 228

/ RACCORDO FISSO MOD. 709 PER ATTACCO CONTATORE  
/ VERSCHRAUBUNG MOD. 709 FÜR WASSERZÄHLER  
/ RACCORD FIXE MOD. 709 POUR VANNE COMPTEUR



**709**

CODE	TECH. CODE	SIZE	
41.33.090	EX0709007070	3/4" x 3/4"	100
41.33.091	EX0709010100	1" x 1"	60

**BRASS HANDLE FIXING SCREW FOR WATER METER**

/ VITE PER FISSAGGIO MANIGLIA ATTACCO CONTATORE  
/ BEFESTIGUNGSSCHRAUBE GRIFF FÜR WASSERZÄHLER  
/ VIS LAITON POUR PAPILLON DE VANNE COMPTEUR

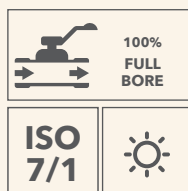


CODE	TECH. CODE	
	VITEOT4MA0	500

# BALL VALVES FOR SOLAR THERMAL SYSTEMS

/ VALVOLE A SFERA PER SOLARE TERMICO  
/ KUGELHÄHNE FÜR SOLARANLAGEN  
/ VANNES À BOISSEAU SPHÉRIQUE POUR INSTALLATIONS SOLAIRES

## 133 - F/F



**BALL VALVE MOD. 133 F/F - FULL BORE AND ORANGE ALUMINIUM HANDLE**

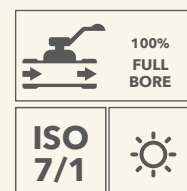
/ VALVOLA A SFERA MOD. 133 F/F PER PANNELLO SOLARE - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ARANCIONE  
/ KUGELHAHN MOD. 133 IG/IG FÜR SOLARANLAGE -VOLLER DURCHGANG UND ORANGE ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 133 F/F POUR INSTALLATION SOLAIRE - PASSAGE INTÉGRAL ET MANETTE ALUMINIUM LEVIER ORANGE



### 133

CODE	TECH. CODE	SIZE	PN	
41.32.670	VS0133005AAN	1/2"	10	70
41.32.675	VS0133007AAN	3/4"	10	50
41.32.680	VS0133010AAN	1"	10	30

## 133M - M/F



**BALL VALVE MOD. 133M M/F - FOR SOLAR PANEL FULL BORE AND ORANGE ALUMINIUM HANDLE**

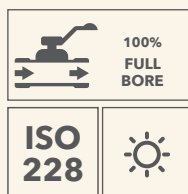
/ VALVOLA A SFERA MOD. 133M M/F PER PANNELLO SOLARE - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO ARANCIONE  
/ KUGELHAHN MOD. 133M AG/IG FÜR SOLARANLAGE -VOLLER DURCHGANG UND ORANGE ALUMINIUM HEBELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 133M M/F POUR INSTALLATION SOLAIRE - PASSAGE INTÉGRAL ET MANETTE ALUMINIUM LEVIER ORANGE



### 133M

CODE	TECH. CODE	SIZE	PN	
41.32.685	VS0133M05AAN	1/2"	10	70
41.32.690	VS0133M07AAN	3/4"	10	50
41.32.695	VS0133M10AAN	1"	10	30

## 134 - F/M



**BALL VALVE MOD. 134 F/M - FOR SOLAR PANEL - FULL BORE AND ORANGE BUTTERFLY HANDLE**

/ VALVOLA A SFERA MOD. 134 F/M - PASSAGGIO TOTALE E MANIGLIA A FARFALLA ARANCIONE  
/ KUGELHAHN MOD. 133M AG/IG FÜR SOLARANLAGE -VOLLER DURCHGANG UND ORANGE ALUMINIUM FLÜGELGRIFF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 134 M/F POUR INSTALLATION SOLAIRE - PASSAGE INTÉGRAL ET MANETTE ALUMINIUM PAPILLON ORANGE



### 134

CODE	TECH. CODE	SIZE	PN	
41.32.700	VS0134003PAN	3/8"	10	130

Use: water and glycol (max. 50%)  
Max. pressure 10 bar  
Temperature - 30°C + 200°C.  
/ Impiego: acqua e glicole (max 50%)  
Pressione massima 10 Bar  
Temperatura - 30°C + 200°C.  
/ Anwendung: Wasser und Glykol (max. 50%).  
Max. Betriebsdruck 10 bar  
Temperatur: -30°C +200°C  
/ Emploi: eau et glycol (maxi 50%)  
Pression maxi 10 bar  
Température -30°C + 200°C.

# BALL VALVES FOR GAS

/ VALVOLE A SFERA PER GAS  
/ KUGELHÄHNE FÜR GAS  
/ VANNES À BOISSEAU SPHÉRIQUE POUR GAZ

## 335 - F/F



### BALL VALVE MOD. 335 F/F - FULL BORE AND YELLOW ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 335 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO GIALLA  
/ KUGELHAHN MOD. 335 IG/IG - VOLLER DURCHGANG UND GELB ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335 F/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER JAUNE



### 335

CODE	TECH. CODE	SIZE	MOP	DN	
41.32.600	VS0335003AGN	3/8"	5	10	80
41.32.605	VS0335005AGN	1/2"	5	15	50
41.32.610	VS0335007AGN	3/4"	5	20	30
41.32.615	VS0335010AGN	1"	5	25	25
41.32.620	VS0335012AGN	1 1/4"	5	32	12
41.32.625	VS0335015AGN	1 1/2"	5	40	8
41.32.630	VS0335020AGN	2"	5	50	5

### BALL VALVE MOD. 335 F/F - FULL BORE AND YELLOW IRON HANDLE

/ VALVOLA A SFERA MOD. 335 F/F - PASSAGGIO TOTALE E MANIGLIA IN FERRO GIALLA  
/ KUGELHAHN MOD. 335 IG/IG - VOLLER DURCHGANG UND GELB EISENHEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335 F/F - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER JAUNE



### 335

CODE	TECH. CODE	SIZE	MOP	DN	
41.32.601	VS0335003FGN	3/8"	5	10	80
41.32.606	VS0335005FGN	1/2"	5	15	50
41.32.611	VS0335007FGN	3/4"	5	20	30
41.32.616	VS0335010FGN	1"	5	25	25
41.32.621	VS0335012FGN	1 1/4"	5	32	12
41.32.626	VS0335015FGN	1 1/2"	5	40	8
41.32.631	VS0335020FGN	2"	5	50	5

### BALL VALVE MOD. 335 F/F - FULL BORE AND YELLOW ALUMINIUM BUTTERFLY HANDLE

/ VALVOLA A SFERA MOD. 335 F/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA GIALLA  
/ KUGELHAHN MOD. 335 IG/IG - VOLLER DURCHGANG UND GELB ALUMINIUM FLÜGELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335 F/F - PASSAGE INTÉGRALE ET MANETTE PAPILLON EN ALUMINIUM JAUNE



### 335

CODE	TECH. CODE	SIZE	MOP	DN	
41.32.602	VS0335003PGN	3/8"	5	10	80
41.32.607	VS0335005PGN	1/2"	5	15	50
41.32.612	VS0335007PGN	3/4"	5	20	30
41.32.617	VS0335010PGN	1"	5	25	30
41.32.622	VS0335012PGN	1 1/4"	5	32	15

## 335M - M/F



### BALL VALVE MOD. 335M M/F - FULL BORE AND YELLOW ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 335M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO GIALLA  
/ KUGELHAHN MOD. 335M AG/IG - VOLLER DURCHGANG UND GELB ALUMINIUM HEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM LEVIER JAUNE





### BALL VALVE MOD. 335M M/F FULL BORE - AND YELLOW IRON HANDLE



/ VALVOLA A SFERA MOD. 335M M/F - PASSAGGIO TOTALE E MANIGLIA IN FERRO GIALLA  
/ KUGELHAHN MOD. 335M AG/IG - VOLLER DURCHGANG UND GELB EISENHEBELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335M M/F - PASSAGE INTÉGRALE ET MANETTE ACIER LEVIER JAUNE



### 335M

CODE	TECH. CODE	SIZE 	MOP	DN	
41.32.635	VS0335M05AGN	1/2"	5	15	50
41.32.640	VS0335M07AGN	3/4"	5	20	30
41.32.645	VS0335M10AGN	1"	5	25	25
41.32.650	VS0335M12AGN	1 1/4"	5	32	12
41.32.655	VS0335M15AGN	1 1/2"	5	40	8
41.32.660	VS0335M20AGN	2"	5	50	5

### 335M



CODE	TECH. CODE	SIZE 	MOP	DN	
41.32.636	VS0335M05FGN	1/2"	5	15	50
41.32.641	VS0335M07FGN	3/4"	5	20	30
41.32.646	VS0335M10FGN	1"	5	25	25
41.32.651	VS0335M12FGN	1 1/4"	5	32	12
41.32.656	VS0335M15FGN	1 1/2"	5	40	8
41.32.661	VS0335M20FGN	2"	5	50	5

### BALL VALVE MOD. 335M M/F FULL BORE - AND YELLOW BUTTERFLY ALUMINIUM HANDLE

/ VALVOLA A SFERA MOD. 335M M/F - PASSAGGIO TOTALE E MANIGLIA IN ALLUMINIO A FARFALLA GIALLA  
/ KUGELHAHN MOD. 335 AG/IG - VOLLER DURCHGANG UND GELB ALUMINIUM FLÜGELGRIF  
/ VANNE BOISSEAU SPHÉRIQUE MOD. 335M M/F - PASSAGE INTÉGRALE ET MANETTE ALUMINIUM PAPILLON JAUNE



### 335M

CODE	TECH. CODE	SIZE 	MOP	DN	
41.32.637	VS0335M05PGN	1/2"	5	15	70
41.32.642	VS0335M07PGN	3/4"	5	20	50
41.32.647	VS0335M10PGN	1"	5	25	30
41.32.652	VS0335M12PGN	1 1/4"	5	32	15

## 339 - F/F



BALL VALVE WITH PRESSURE PLUG MOD. 339 F/F FOR GAS METER - FULL BORE AND YELLOW ALUMINIUM BUTTERFLY HANDLE

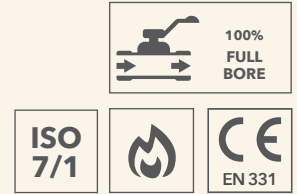
- / VALVOLA A SFERA CON PRESA DI PRESSIONE MOD. 339 F/F PER CONTATORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA IN ALLUMINIO GIALLA
- / KUGELHAHN 339 IG/IG FÜR GASZÄHLER - MIT ANSCHLUSS FÜR DRUCKMESSUNG - VOLLER DURCHGANG UND GELB ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 339 F/F POUR COMPTEUR DE GAZ AVEC PRISE DE PRESSION - PASSAGE INTÉGRALE ET MANETTE PAPILLON EN ALUMINIUM JAUNE



### 339

CODE	TECH. CODE	SIZE	MOP	
41.32.662	VS0339007PGN	3/4"	5	40
41.32.663	VS0339010PGN	1"	5	25

## 339M F/M



BALL VALVE WITH PRESSURE PLUG MOD. 339M F/M FOR GAS METER - FULL BORE AND YELLOW ALUMINIUM BUTTERFLY HANDLE

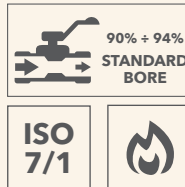
- / VALVOLA A SFERA CON PRESA DI PRESSIONE MOD. 339M F/M PER CONTATORE - PASSAGGIO TOTALE E MANIGLIA A FARFALLA IN ALLUMINIO GIALLA
- / KUGELHAHN 339M IG/AG FÜR GASZÄHLER MIT ANSCHLUSS FÜR DRUCKMESSUNG - VOLLER DURCHGANG UND GELB ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 339M F/M POUR COMPTEUR DE GAZ AVEC PRISE DE PRESSION - PASSAGE INTÉGRALE ET MANETTE PAPILLON EN ALUMINIUM JAUNE



### 339M

CODE	TECH. CODE	SIZE	MOP	
41.32.665	VS0339M07PGN	3/4"	5	40
41.32.666	VS0339M10PGN	1"	5	25

## 337 - M/M



BALL VALVE MOD. 337 90° M/M - STANDARD BORE AND YELLOW ALUMINIUM BUTTERFLY HANDLE

- / VALVOLA A SFERA MOD. 337 90° M/M - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA GIALLA
- / KUGELHAHN MOD. 337 90° AG/AG - STANDARD DURCHGANG UND GELB ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 337 90° M/M - PASSAGE STANDARD ET MANETTE EN ALUMINIUM PAPILLON JAUNE

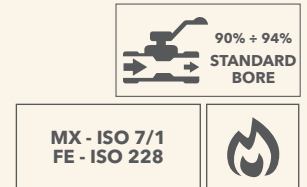


### 337

CODE	TECH. CODE	SIZE		
87.81.136	VS0337005PGN	1/2"	16	48

• ON REQUEST / SU RICHIESTA / AUF ANFRAGE / SUR COMMANDE

## 338 - M/S



BALL VALVE MOD. 338 90° M/SWIVEL NUT - STANDARD BORE AND YELLOW ALUMINIUM BUTTERFLY HANDLE

- / VALVOLA A SFERA A MOD. 338 90° M/DADO PRIGIONIERO - PASSAGGIO STANDARD E MANIGLIA IN ALLUMINIO A FARFALLA GIALLA
- / KUGELHAHN MOD. 338 90° AG/ ÜBERWURFMUTTER STANDARD DURCHGANG UND GELB ALUMINIUM FLÜGELGRIFF
- / VANNE BOISSEAU SPHÉRIQUE MOD. 338 90° M/ ÉCROU TOURNANT - PASSAGE STANDARD ET MANETTE EN ALUMINIUM PAPILLON JAUNE



### 338

CODE	TECH. CODE	SIZE		
87.81.137	VS0338055PGN	1/2"	12	36



• ON REQUEST / SU RICHIESTA / AUF ANFRAGE / SUR COMMANDE



## YELLOW ALUMINIUM BUTTERFLY HANDLE

/ MANIGLIA IN ALLUMINIO A FARFALLA GIALLA  
/ GELB ALUMINIUM FLÜGELGRIFF  
/ MANETTE EN ALUMINIUM PAPILLON JAUNE





CODE	TECH. CODE	SIZE 	
41.32.830	MNFARAL00EGIA	3/8" x 1/2"	800
41.32.831	MNFARAL00FGIA	3/4" x 1"	500
41.32.832	MNFARAL00GGIA	1 1/4"	250

## YELLOW FLAT IRON ZINC PLATED HANDLE

/ MANIGLIA IN FERRO CON RIVESTIMENTO IN  
PLASTICA GIALLA  
/ GELB VERZINKTER EISENHEBELGRIFF  
KUNSTSTOFF BESCHICHTET  
/ MANETTE ACIER LEVIER AVEC REVETEMENT  
PLASTIQUE JAUNE





CODE	TECH. CODE	SIZE 	
41.32.850	MNLEVPL000GIA	3/8" x 1/2"	400
41.32.851	MNLEVPL001GIA	3/4" x 1"	200
41.32.852	MNLEVPL002GIA	1 1/4" - 1 1/2"	150
41.32.853	MNLEVPL003GIA	2"	100

## YELLOW ALUMINIUM HANDLE

/ MANIGLIA IN ALLUMINIO GIALLA  
/ GELB ALUMINIUM HEBELGRIFF  
/ MANETTE ALUMINIUM LEVIER JAUNE



CODE	TECH. CODE	SIZE 	
41.32.810	MNLEVAL00AGIA	3/8" x 1/2"	300
41.32.811	MNLEVAL00BGIA	3/4" x 1"	250
41.32.812	MNLEVAL00CGIA	1 1/4" - 1 1/2"	100
41.32.813	MNLEVAL00DGIA	2"	80

## STEEL HANDLE FIXING NUT

/ DADO DI FISSAGGIO IN ACCIAIO PER  
MANIGLIA  
/ FIXIERMUTTER IN STAHL FÜR HANDGRIFF  
/ ÉCROU ACIER POUR MANETTE ACIER



CODE	TECH. CODE	SIZE 	
41.32.900	DADINO09MA00C	small size	4000
41.32.901	DADINO012000C	big size	2500

# MINI BALL VALVES DZR CHROME-PLATED

/ VALVOLE A SFERA MINI DZR CROMATE  
/ MINI-KUGELHÄHNE DZR VERCHROMT  
/ MINI VANNES BOISSEAU SPHÉRIQUE DZR CHROMÉES






## MINI BALL VALVE MOD. 311 F X M - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 311 F X M - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 311 IG X AG - METALLHEBELGRIFF VERCHROMT  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 311 F X M - MANETTE METAL CHROMÉE



311




CODE	TECH. CODE	SIZE 		
41.23.040	VS0311003ACC	3/8" x 3/8"	10	120
41.23.045	VS0311005ACC	1/2" x 1/2"	10	120
41.23.050	VS0311007ACC	3/4" x 3/4"	10	120

## MINI BALL VALVE MOD. 312 F X F - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 312 F X F - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 312 IG X IG - HEBELGRIFF VERCHROMT IN METALL  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 312 F X F - MANETTE METAL CHROMÉE



312




CODE	TECH. CODE	SIZE 		
41.23.005	VS0312003ACC	3/8" x 3/8"	10	120
41.23.010	VS0312005ACC	1/2" x 1/2"	10	120
41.23.015	VS0312007ACC	3/4" x 3/4"	10	120

## MINI BALL VALVE MOD. 321 M X Cu - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 321 M X Cu - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 321 AG X Cu - METALLHEBELGRIFF VERCHROMT  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 321 M X Cu - MANETTE METAL CHROMÉE



321




CODE	TECH. CODE	SIZE 		
41.23.150	VS0321001ACC	1/2" x 12 mm	10	120
41.23.155	VS0321002ACC	1/2" x 15 mm	10	120

## MINI BALL VALVE MOD. 319 MI X MI - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 319 M X M - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 319 AG X AG - METALLHEBELGRIFF VERCHROMT  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 319 M X M - MANETTE METAL CHROMÉE



319




CODE	TECH. CODE	SIZE 		
41.23.075	VS0319003ACC	3/8" x 3/8"	10	120
41.23.080	VS0319005ACC	1/2" x 1/2"	10	120
41.23.085	VS0319007ACC	3/4" x 3/4"	10	120

## MINI BALL VALVE MOD. 320 F X Cu - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 320 F X Cu - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 320 IG X Cu - HEBELGRIFF VERCHROMT IN METALL  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 320 F X Cu - MANETTE METAL CHROMÉE



320

CODE	TECH. CODE	SIZE 		
41.23.110	VS0320001ACC	3/8" x 12 mm	10	120
41.23.115	VS0320002ACC	1/2" x 12 mm	10	120
41.23.120	VS0320003ACC	1/2" x 15 mm	10	120
41.23.125	VS0320004ACC	3/4" x 22 mm	10	120

## MINI BALL VALVE MOD. 325 F X M (EK) - CHROME-PLATED METAL HANDLE

/ VALVOLA A SFERA MINI MOD. 325 F X M (EK) - MANIGLIA CROMATA IN METALLO  
/ MINI-KUGELHAHN MOD. 325 IG X M (EK) - METALLHEBELGRIFF VERCHROMT  
/ MINI VANNES BOISSEAU SPHÉRIQUE MOD. 325 F X M (EK) - MANETTE METAL CHROMÉE



325

CODE	TECH. CODE	SIZE 		
41.23.121	VS0325001ACC	1/2" x 1/2" euro	10	120

**ANGLE MINI BALL VALVE MOD. 323 Cu X Cu - CHROME-PLATED METAL HANDLE**

/ VALVOLA A SFERA A SQUADRA MINI MOD. 323 Cu X Cu - MANIGLIA CROMATA IN METALLO  
 / MINI WINKELKUGELHAHN MOD. 323 Cu X Cu - METALLHEBELGRIFF VERCHROMT  
 / MINI VANNE BOISSEAU SPHÉRIQUE ÉQUERRE MOD. 323, Cu X Cu - MANETTE METAL CHROMÉE

**323**

CODE	TECH. CODE	SIZE		
41.23.300	VS0323001ACC	12 mm x 12 mm	8	120
41.23.305	VS0323002ACC	12 mm x 10 mm	8	120
41.23.310	VS0323003ACC	15 mm x 15 mm	8	120
41.23.315	VS0323004ACC	15 mm x 10 mm	8	120

**MINI BALL VALVE MOD. 322 Cu x Cu - CHROME-PLATED METAL HANDLE**

/ VALVOLA A SFERA MINI MOD. 322 Cu X Cu - MANIGLIA CROMATA IN METALLO  
 / MINI-KUGELHAHN MOD. 322 Cu X Cu - METALLHEBELGRIFF VERCHROMT IN METALL  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 322 Cu X Cu - MANETTE METAL CHROMÉE

**322**

CODE	TECH. CODE	SIZE		
41.23.180	VS0322001ACC	10 mm x 10 mm	10	120
41.23.185	VS0322002ACC	10 mm x 12 mm	10	120
41.23.190	VS0322003ACC	10 mm x 15 mm	10	120
41.23.195	VS0322004ACC	10 mm x 16 mm	10	120
41.23.200	VS0322005ACC	12 mm x 12 mm	10	120
41.23.205	VS0322006ACC	12 mm x 15 mm	10	120
41.23.210	VS0322007ACC	12 mm x 16 mm	10	120
41.23.220	VS0322008ACC	15 mm x 15 mm	10	120
41.23.222	VS0322009ACC	15 mm x 16 mm	10	120
41.23.225	VS0322010ACC	16 mm x 16 mm	10	120
41.23.230	VS0322011ACC	18 mm x 18 mm	10	120
41.23.235	VS0322012ACC	22 mm x 22 mm	4	80

**TEE MINI BALL VALVE MOD. 324 Cu x Cu x Cu - CHROME-PLATED METAL HANDLE**

/ VALVOLA A SFERA A T MINI MOD. 324 Cu x Cu x Cu - MANIGLIA CROMATA IN METALLO  
 / MINI T-KUGELHAHN MOD. 324 Cu x Cu x Cu - METALLHEBELGRIFF VERCHROMT  
 / MINI VANNE BOISSEAU SPHÉRIQUE MOD. 324 EN TÉ Cu x Cu x Cu - MANETTE METAL CHROMÉE

**324**

CODE	TECH. CODE	SIZE		
41.23.320	VS0324001ACC	12 mm x 12 mm x 12 mm	5	60
41.23.325	VS0324002ACC	15 mm x 15 mm x 15 mm	5	60

**CHROME-PLATED METAL HANDLE**

/ MANIGLIA CROMATA IN METALLO  
 / VERCHROMTER HEBELGRIFF IN METALL  
 / MANETTE METAL CHROMÉE

**311**

CODE	TECH. CODE		
41.23.001	MN031100000C		500



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