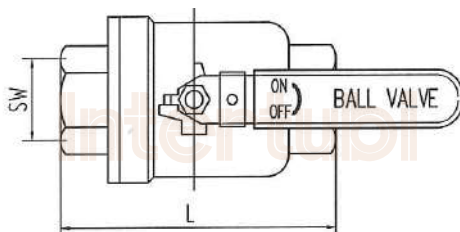
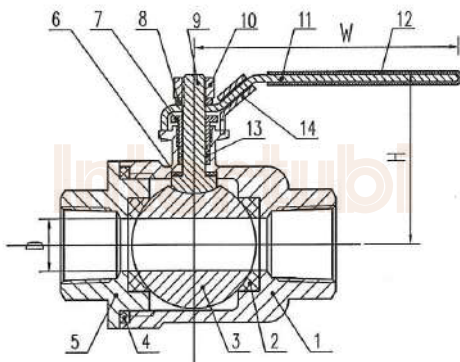




ACCIAIO INOX | STAINLESS STEEL

**VALVOLE E FILTRI
VALVES AND STRAINERS**


ART. 621
VALVOLA A SFERA INOX, 2 PEZZI, PASSAGGIO TOTALE

CERTIFICATI EN 10204/2.1

ESECUZIONE SPECIALE: A RICHIESTA FILETTATURA NPT

CARATTERISTICHE TECNICHE

1. Valvola inox passaggio totale, 2 pezzi
2. Filettatura delle estremità gas EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Acciaio AISI 316 (CF8M)
4. Sede sfera in PTFE + 15% fibra di vetro
5. Stelo anti-espulsione
6. O'ring dello stelo in Viton
7. Guarnizione dello stelo in PTFE
8. Sistema di bloccaggio
9. Pressione massima 63 bar
10. Temperatura d'esercizio - 25 °C + 180 °C

ART. 621
STAINLESS STEEL FULL PORT BALL VALVE, 2 PIECES

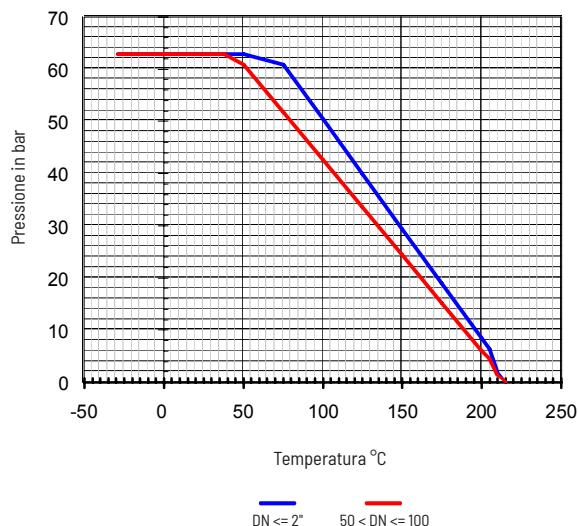
CERTIFICATES EN 10204/2.1

SPECIAL EXECUTION: THREADING ON REQUEST NPT

TECHNICAL INFORMATION

1. Stainless steel full port ball valve, 2 pieces
2. Thread ends according gas EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Made of AISI 316 (CF8M)
4. Ball seats PTFE + 15% G.F.
5. Blow-out proof stem
6. Viton o'ring stem
7. Stem gasket PTFE
8. Locking system
9. Max.. Working pressure bar
10. Working temperature -25 °C + 180 °C

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)				Peso Weight (Kg)
			L	H	SW	W	
1/4"	IV6211/4	63	49	44	17	105	0.20
3/8"	IV6213/8	63	50	44	21	105	0.19
1/2"	IV6211/2	63	54	46	25	100	0.23
3/4"	IV6213/4	63	65	53	31	135	0.44
1"	IV6211	63	78	57	38	135	0.60
1 1/4"	IV62111/4	63	88	71	48	170	1.08
1 1/2"	IV62111/2	63	100	75	55	170	1.54
2"	IV6212	63	120.5	96	68	190	2.64
2 1/2"	IV62121/2	63	146.5	128	83	250	4.70
3"	IV6213	63	168	135	99	250	7.28

N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316/SS 316	Ruvida/Shot blasting
2	Coperchio / Cap	Inox Aisi 316/SS 316	Ruvida/Shot blasting
3	Sfera / Ball	Inox Aisi 316/SS 316	---
4	Stelo / Stem	Inox Aisi 316/SS 316	---
5	Guarnizione sede sfera / seat ball	TEFLON + 15% FV/PTFE +15% GF	---
6	Guarnizione corpo - coperchio / Gasket	TEFLON PTFE/TEFLON	---
7	Rondella / Trust Washer	TEFLON PTFE/TEFLON	---
8	O'ring Asta / O'ring	VITON	---
9	Guarnizione corpo - asta / Stem packing	Inox Aisi 304/SS 304	---
10	Rondella / Washer	Inox Aisi 304/SS 304	---
11	Dado / Nut	Inox Aisi 304/SS 304	---
12	Leva / Handle	Inox Aisi 304/SS 304	---
13	Rivestimento leva / Handle sleeve	Vinile / Vinyl	---

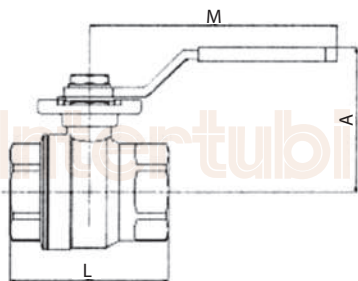
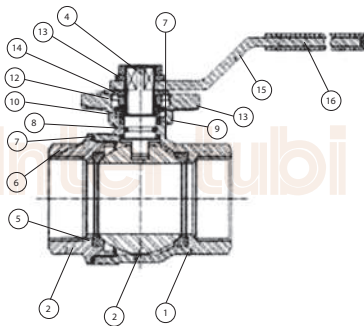
Misura Size	Coppia Activating torque (Nm)
1/4"	4 - 5
3/8"	4 - 5
1/2"	4 - 5
3/4"	7 - 8
1"	9 - 10
1 1/4"	12 - 14
1 1/2"	18 - 20
2"	28 - 30
2 1/2"	34 - 36
3"	58 - 60

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
6	10	24	43	83	130	205	340	520	1100



ART. 621/A
VALVOLA A SFERA INOX, 2 PEZZI, PASSAGGIO TOTALE

CERTIFICATI EN 10204/2.1

ESECUZIONE SPECIALE: A RICHIESTA FILETTATURA NPT

CARATTERISTICHE TECNICHE

1. Valvola inox passaggio totale, 2 pezzi
2. Filettatura delle estremità gas EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Acciaio AISI 316 (CF8M)
4. Sede sfera in PTFE + 15% fibra di vetro
5. Anello dello stelo in Viton
6. Guarnizione dello stelo in PTFE
7. Sistema di bloccaggio
8. Flangia ISO 5211 per montaggio diretto attuatore
9. Stelo anti-espulsione
10. Pressione massima 63 bar
11. Temperatura d'esercizio - 25 °C + 180 °C

ART. 621/A
STAINLESS STEEL FULL PORT BALL VALVE, 2 PIECES

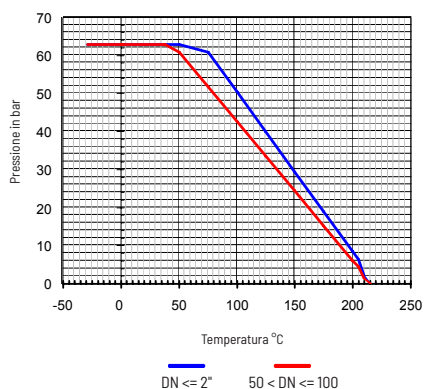
CERTIFICATES EN 10204/2.1

SPECIAL EXECUTION: THREADING ON REQUEST NPT

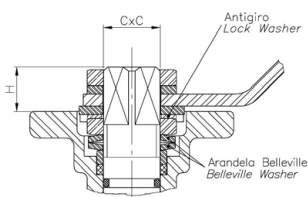
TECHNICAL INFORMATION

1. Stainless steel full port ball valve, 2 pieces
2. Thread ends according gas EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Made of AISI 316 (CF8M)
4. Ball seats PTFE + 15% G.F.
5. Viton o 'ring stem
6. Stem gasket PTFE
7. Locking system
8. Direct mounting actuator ISO 5211
9. Blow-out proof stem.
10. Max.. Working pressure 63 bar
11. Working temperature -25 °C + 180 °C

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



DETTAGLI DELLA ZONA DI TENUTA ALBERO
STEM DETAIL



Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)						Peso Weight (Kg)
			A	L	M	ISO 5211	CxC	H	
1/4"	IV621A1/4	63	62	50	112	F-03	9	10	0.30
3/8"	IV621A3/8	63	62	50	112	F-03	9	10	0.30
1/2"	IV621A1/2	63	63	55	112	F-03/F-04	9	11	0.35
3/4"	IV621A3/4	63	70	70.6	138	F-04/F-05	11	11	0.56
1"	IV621A1	63	70	83	138	F-04/F-05	11	11	0.78
1 1/4"	IV621A11/4	63	88	91	160	F-05/F-07	14	15	1.35
1 1/2"	IV621A11/2	63	94	103	205	F-05/F-07	14	15	1.90
2"	IV621A2	63	100	120	205	F-05/F-07	14	15	2.83

Misura Size	Coppia Breakaway torque (Nm)
1/4"	4 - 5
3/8"	4 - 5
1/2"	4 - 5
3/4"	7 - 8
1"	9 - 10
1 1/4"	12 - 14
1 1/2"	18 - 20
2"	28 - 30

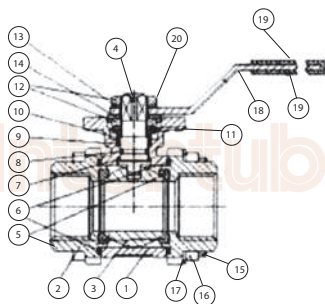
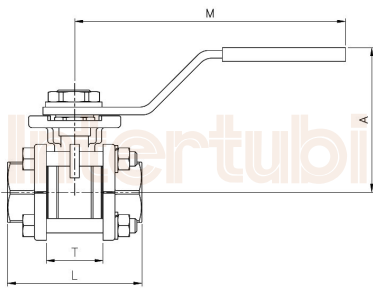
VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

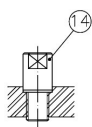
Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
6	10	24	43	83	130	205	340

Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.
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UNICAMENTE PER I DIAMETRI DA 2 1/2" A 4"
FOR 2 1/2" - 4" SIZES ONLY



TOPE MANETA
HANDLE STOPPER

ART. 641
VALVOLA A SFERA INOX, 3 PEZZI, PASSAGGIO TOTALE

CERTIFICATI EN 10204/2.1

ESECUZIONE SPECIALE: A RICHIESTA NPT, BW, SW

CARATTERISTICHE TECNICHE

1. Valvola inox passaggio totale, 3 pezzi
2. Filettatura delle estremità standard gas EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Acciaio AISI 316 (CF8M)
4. Sede sfera in PTFE + 15% fibra di vetro
5. O'ring dello stelo in Viton
6. Guarnizione dello stelo in PTFE
7. Sistema di bloccaggio
8. Flangia ISO 5211 per montaggio diretto attuatore
9. Stelo anti-espulsione
10. Pressione massima 63 bar
11. Temperatura d'esercizio - 25 °C + 180 °C

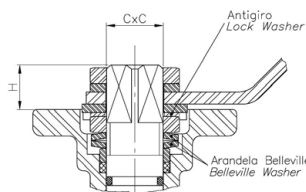
ART. 641
STAINLESS STEEL FULL PORT BALL VALVE, 3 PIECES

CERTIFICATES EN 10204/2.1

SPECIAL EXECUTION: ON REQUEST NPT, BW, SW

TECHNICAL INFORMATION

1. Stainless steel full port ball valve, 3 pieces
2. Thread ends according gas EN 10226-1 (EX ISO 7-1 e DIN 2999) standard
3. Made of AISI 316 (CF8M)
4. Ball seats PTFE + 15% G.F.
5. Viton o'ring stem
6. Stem gasket PTFE
7. Locking system
8. Direct mounting actuator ISO 5211
9. Blow-out proof stem.
10. Max.. Working pressure 63 bar
11. Working temperature -25 °C + 180 °C

DETTAGLI DELLA ZONA DI TENUTA ALBERO | STEM DETAIL


Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING

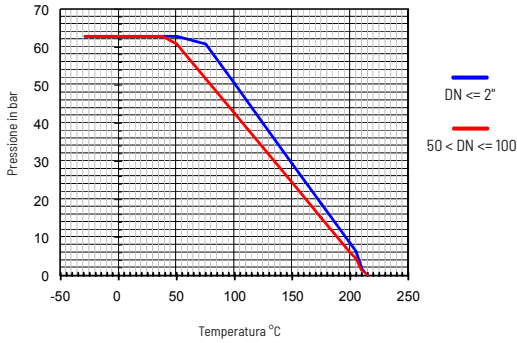
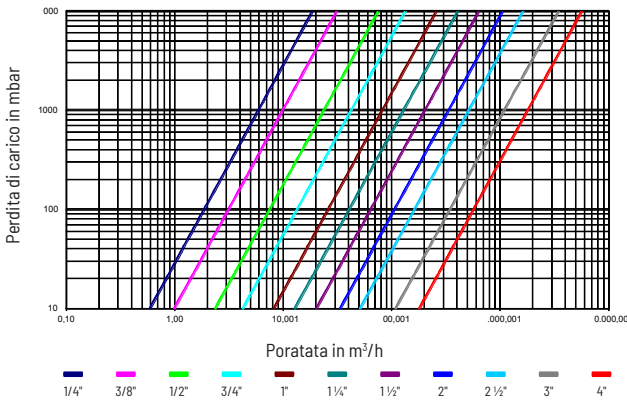


DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316	Ruvida / Shoot blasting
2	Coperchio / Cap	Inox Aisi 316	Ruvida / Shoot blasting
3	Sfera / Ball	Inox Aisi 316	---
4	Stelo / Stem	Inox Aisi 316	---
5	Guarnizione sede sfera / Seat ball	PTFE+15% GF	---
6	Guarnizione corpo - coperchio / Gasket	PTFE	---
7	Rondella / Trust Washer	PTFE+Grafite / PTFE+ Graphite	---
8	O'ring Asta / O'ring	VITON	---
9	Guarnizione corpo - asta / Stem packing	PTFE	---
10	Guarnizione corpo-asta / Stem ring	Inox Aisi 316	---
11	Rondella molla / Spring washer	Inox Aisi 301	---
12	Dado / Nut	Inox Aisi 304	---
13	Rondella / Washer	Inox Aisi 304	---
14	Rondella di sicurezza / Stopper	Inox Aisi 304	---
15	Bullone / Bolt	Inox Aisi 304	---
16	Dado / Nut	Inox Aisi 304	---
17	Rondella del bullone / Bolt washer	Inox Aisi 304	---
18	Leva / Handle	Inox Aisi 304	---
19	Rivestimento leva / Handle sleeve	Vinile / Vinyl	---
20	Antisfilamento / Lock	Inox AISI 304	---

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)						M	Peso Weight (Kg)
			A	L	M	ISO 5211	H	CxC		
1/4"	IV6411/4	63	60	47.6	23	F-03	10	9x9	112	0.39
3/8"	IV6413/8	63	60	47.6	23	F-03	10	9x9	112	0.38
1/2"	IV6411/2	63	60	56	24	F-03/F-04	11	9x9	112	0.44
3/4"	IV6413/4	63	70	73	30	F-04/F-05	11	11x11	138	0.82
1"	IV6411	63	70	82	33.5	F-04/F-05	11	11x11	138	1.02
1 1/4"	IV64111/4	63	88	91	41.5	F-05/F-07	15	14x14	160	1.79
1 1/2"	IV64111/2	63	94	104	51.5	F-05/F-07	15	14x14	205	2.46
2"	IV6412	63	100	120	63	F-05/F-07	15	14x14	205	3.47
2 1/2"	IV64121/2	63	150	155	83.5	F-07/F-10	19	17x17	330	8.50
3"	IV6413	63	165	182	100	F-07/F-10	19	17x17	330	12.40
4"	IV6414	63	175	220	118.5	F-07/F-10	19	17x17	340	19.65

Misura Size	Coppia Breakaway torque (Nm)
1/4"	4 - 5
3/8"	4 - 5
1/2"	4 - 5
3/4"	7 - 8
1"	9 - 10
1 1/4"	12 - 14
1 1/2"	18 - 20
2"	28 - 30
2 1/2"	34 - 36
3"	58 - 60
4"	90 - 95

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
6	10	24	43	83	130	205	340	520	1100	1820

Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.

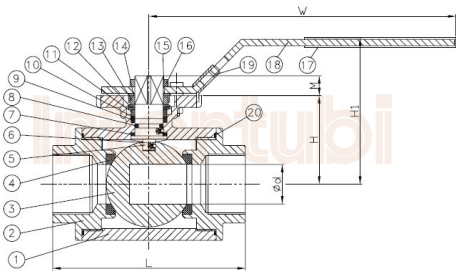
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**ART. 040
VALVOLA A SFERA ACCIAIO INOSSIDABILE
TRE VIE TIPO "L"**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

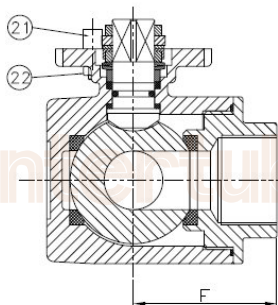
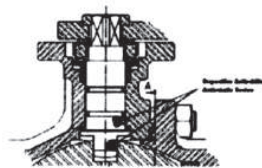
1. Valvola inox tre vie tipo "L"
2. Configurazione sfera "L"
3. Filettatura estremità accordo EN 10226-1 (ISO 7.1, DIN 2999)
4. Acciaio Inox 316
5. Quadro guarnizioni sede sfera PTFE + 15% GF
6. Guarnizione dello stelo in PTFE
7. Anello dello stelo in VITON
8. Dispositivo anti-statico
9. Sistema di bloccaggio
10. Flangia ISO 5211 per montaggio diretto attuatore
11. Stelo anti-espulsione
12. Pressione massima 63 bar


**ART. 040
STAINLESS STEEL REDUCE PORT BALL VALVE,
THREE WAY TYPE "L"**

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

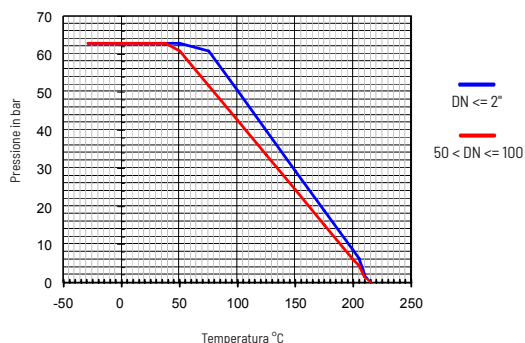
1. Stainless steel full port ball valve, 3 pieces
2. "L" Ball configuration
3. Thread ends according EN 10226-1 (ISO 7.1 and DIN 2999)
4. Made of AISI 316 (CF8M)
5. Four Ball seats PTFE + 15% G.F.
6. Stem gasket PTFE
7. Viton o'ring stem
8. Anti-static device (Ball-Stem-Body)
9. Locking system
10. Direct mounting actuator ISO 5211
11. Blow-out proof stem.
12. Max.. Working pressure 63 bar


DISPOSITIVO ANTISTATICO | ANTISTATIC DEVICE


Questo dispositivo garantisce una continuità elettrica tra Sfera - Stelo - Corpo, esigenza particolarmente richiesta per i fluidi infiammabili.

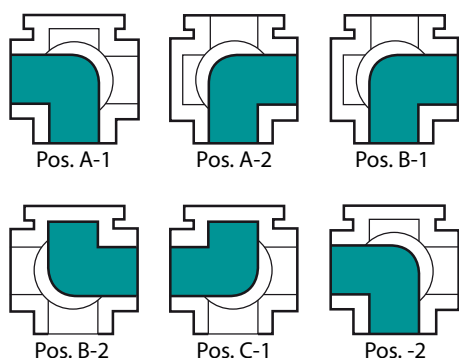
*This device guarantees electric continuity between Ball - Stem - Body.
This is of special necessity in inflammable fluids.*

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



CONFIGURAZIONE VALVOLE 3 VIE L-PORT "GIRO 90°"
FLOW PATTERNS FOR "L-PORT" 3 WAY VALVES 90° TURN

DIREZIONE FLUIDO | FLOW PATTERN (ART. 040)



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox AISI 316 / SS 316	Decapata / Shoot blasting + Pickling
2	Coperchio / Cap	Inox AISI 316 / SS 316	Decapata / Shoot blasting + Pickling
3	Sfera / Ball	Inox AISI 316 / SS 316	---
4	Guarnizione sede sfera / Ball Seat	Teflòn + 15% FV / PTFE + 15% GF	---
5	Stelo / Stem	Inox AISI 316 / SS 316	---
6	Dispositivo anti statico / Anti-Static device	Inox AISI 316 / SS 316	---
7	Rondella / Trust Washer	PTFE	---
8	O'ring / O'ring	FKM (Viton)	---
9	Guarnizione stelo / Stem packing	PTFE	---
10	Guarnizione / Bushing	Inox + PTFE / S.S. + PTFE	---
11	Anello di tenuta / Stem ring	Inox AISI 316 / SS 316	---
12	Rondella molla / Spring Washer	Inox AISI 301 / SS 301	---
13	Dado / Nut	ASTM A194-8	---
14	Rondella di sicurezza / Stopper	Inox AISI 304 / SS 304	---
15	Rondella / Washer	Inox AISI 304 / SS 304	---
16	Dado leva / Handle Nut	Inox AISI 304 / SS 304	---
17	Rivestimento leva / Handle Sleeve	Vynil	---
18	Leva / Handle	Inox AISI 304 / SS 304	---
19	Dispositivo a chiave / Lock device	Inox AISI 304 / SS 304	---
20	Guarnizione coperchio / Gasket	Teflòn / PTFE	---
21	Perno / Stop Bolt	Inox AISI 304 / SS 304	---
22	Dado / Nut	ASTM A194-8	---

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)								Cx C	d	Peso Weight (Kg)
			ISO 5211		L	H	HI	W	M	F			
1/4"	IV0401/4	63	F03	F04	75	37	66	130	7	37	9x9	11	0.70
3/8"	IV0403/8	63	F03	F04	75	37	66	130	7	37	9x9	11	0.67
1/2"	IV0401/2	63	F03	F04	75	37	66	130	7	37	9x9	11	0.63
3/4"	IV0403/4	63	F04	F05	85	41	72	161	7	42	11x11	15	0.95
1"	IV0401	63	F04	F05	100	47	77	161	7	50	11x11	20	1.40
1 1/4"	IV04011/4	63	F05	F07	122	56	92	203	7	61	14x14	25	2.90
1 1/2"	IV04011/2	63	F05	F07	131	60	96	203	12	65	14x14	32	3.60
2"	IV0402	63	F05	F07	158	71	107	203	12	79	14x14	40	6.25
2 1/2"	IV04021/2	63	F07	F10	178	95	135	254	14	89	17x17	49	8.95

Misura Size	Coppia Breakaway torque (Nm)
1/4"	5 - 6
3/8"	5 - 6
1/2"	5 - 6
3/4"	8 - 9
1"	11 - 12
1 1/4"	14 - 15
1 1/2"	20 - 21
2"	30 - 31
2 1/2"	***

VALORE di Kv / Kv VALUES

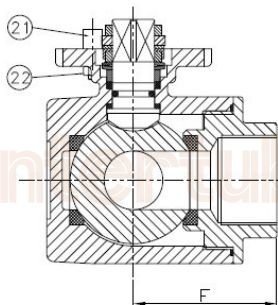
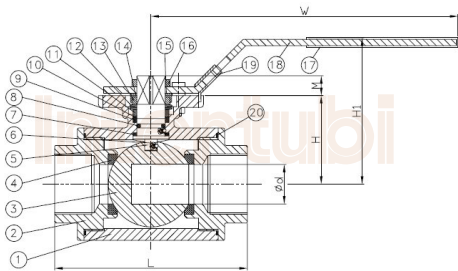
Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

Med./Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
m³/h	11	11	13	15	31	39	62	103	205

Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.

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ART. 041
VALVOLA A SFERA ACCIAIO INOSSIDABILE
TRE VIE TIPO "T"

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola inox tre vie tipo "T"
2. Configurazione sfera "T"
3. Filettatura estremità accordo EN 10226-1 (ISO 7.1, DIN 2999)
4. Acciaio Inox 316
5. Quadro guarnizioni sede sfera PTFE + 15% GF
6. Guarnizione dello stelo in PTFE
7. Anello dello stelo in VITON
8. Dispositivo anti-statico
9. Sistema di bloccaggio
10. Flangia ISO 5211 per montaggio diretto attuatore
11. Stelo anti-espulsione
12. Pressione massima 63 bar
13. Temperatura d'esercizio - 25 °C + 180 °C

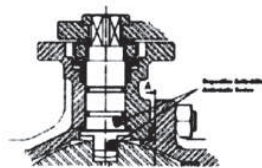
ART. 041
STAINLESS STEEL REDUCE PORT BALL VALVE,
THREE WAY TYPE "T"

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Stainless steel full port ball valve, 3 pieces
2. "T" Ball configuration
3. Thread ends according EN 10226-1 (ISO 7.1 and DIN 2999)
4. Made of AISI 316 (CF8M)
5. Four Ball seats PTFE + 15% G.F.
6. Stem gasket PTFE
7. Viton o'ring stem
8. Anti-static device (Ball-Stem-Body)
9. Locking system
10. Direct mounting actuator ISO 5211
11. Blow-out proof stem.
12. Max.. Working pressure 63 bar
13. Working temperature -25 °C + 180 °C

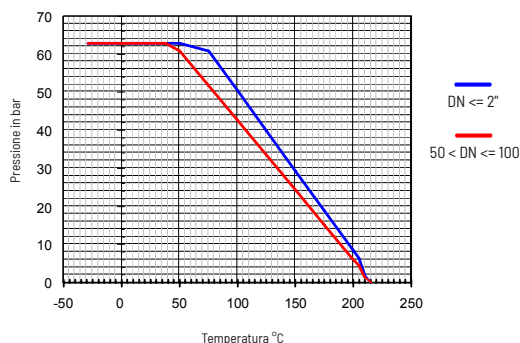
DISPOSITIVO ANTISTATICO | ANTISTATIC DEVICE



Questo dispositivo garantisce una continuità elettrica tra Sfera - Stelo - Corpo, esigenza particolarmente richiesta per i fluidi infiammabili.

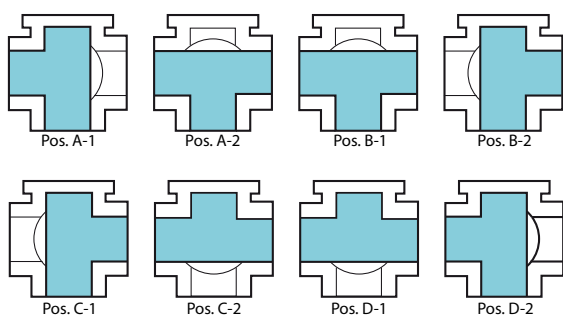
*This device guarantees electric continuity between Ball - Stem - Body.
 This is of special necessity in inflammable fluids.*

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



CONFIGURAZIONE VALVOLE 3 VIE T-PORT "GIRO 90°"
FLOW PATTERNS FOR "T-PORT" 3 WAY VALVES 90° TURN

DIREZIONE FLUIDO | FLOW PATTERN (ART. 041)



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox AISI 316 / SS 316	Decapata / Shoot blasting + Pickling
2	Coperchio / Cap	Inox AISI 316 / SS 316	Decapata / Shoot blasting + Pickling
3	Sfera / Ball	Inox AISI 316 / SS 316	---
4	Guarnizione sede sfera / Ball Seat	Teflòn + 15% FV / PTFE + 15% GF	---
5	Stelo / Stem	Inox AISI 316 / SS 316	---
6	Dispositivo anti statico / Anti-Static device	Inox AISI 316 / SS 316	---
7	Rondella / Trust Washer	PTFE	---
8	O'ring / O'ring	FKM (Viton)	---
9	Guarnizione stelo / Stem packing	PTFE	---
10	Guarnizione / Bushing	Inox + PTFE / S.S. + PTFE	---
11	Anello di tenuta / Stem ring	Inox AISI 316 / SS 316	---
12	Rondella molla / Spring Washer	Inox AISI 301 / SS 301	---
13	Dado / Nut	ASTM A194-8	---
14	Rondella di sicurezza / Stopper	Inox AISI 304 / SS 304	---
15	Rondella / Washer	Inox AISI 304 / SS 304	---
16	Dado leva / Handle Nut	Inox AISI 304 / SS 304	---
17	Rivestimento leva / Handle Sleeve	Vynil	---
18	Leva / Handle	Inox AISI 304 / SS 304	---
19	Dispositivo a chiave / Lock device	Inox AISI 304 / SS 304	---
20	Guarnizione coperchio / Gasket	Teflòn / PTFE	---
21	Perno / Stop Bolt	Inox AISI 304 / SS 304	---
22	Dado / Nut	ASTM A194-8	---

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)								Cx C	d	Peso Weight (Kg)
			ISO 5211		L	H	HI	W	M	F			
1/4"	IV0401/4	63	F03	F04	75	37	66	130	7	37	9x9	9.5	0.70
3/8"	IV0403/8	63	F03	F04	75	37	66	130	7	37	9x9	11	0.67
1/2"	IV0401/2	63	F03	F04	75	37	66	130	7	37	9x9	12	0.63
3/4"	IV0403/4	63	F04	F05	85	41	72	161	7	42	11x11	15	0.95
1"	IV0401	63	F04	F05	100	47	77	161	7	50	11x11	20	1.40
1 1/4"	IV04011/4	63	F05	F07	122	56	92	203	7	61	14x14	25	2.90
1 1/2"	IV04011/2	63	F05	F07	131	60	96	203	12	65	14x14	32	3.60
2"	IV0402	63	F05	F07	158	71	107	203	12	79	14x14	40	6.25
2 1/2"	IV04021/2	63	F07	F10	178	95	135	254	14	89	17x17	49	8.72

Misura Size	Coppia Breakaway torque (Nm)
1/4"	5 - 6
3/8"	5 - 6
1/2"	5 - 6
3/4"	8 - 9
1"	11 - 12
1 1/4"	14 - 15
1 1/2"	20 - 21
2"	30 - 31
2 1/2"	***

VALORE di Kv / Kv VALUES

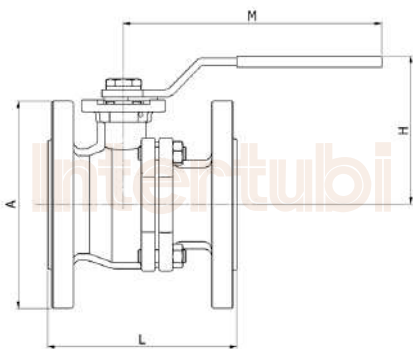
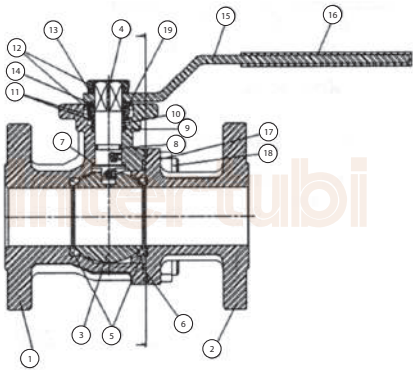
Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

Med./Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
m³/h	11	11	13	15	31	39	62	103	205

Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.

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ART. 528
VALVOLA A SFERA ACCIAIO INOSSIDABILE,
PASSAGGIO TOTALE FLANGIATA

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola a sfera passaggio totale, 2 pezzi
2. Estremità flangiate secondo DIN 2501-EN. PN40 da DN15 a DN50 e Pn16 da Dn65 a DN200
3. Acciaio inox DIN 1.4408 (CF8M)
4. Disegni secondo le normative DIN 3357/ISO 5752
5. Scartamento tra le facce secondo DIN 3202 F4/F5
6. Sede della sfera in PTFE + 15% Fibra di vetro
7. Guarnizione spirometallica fino a DN32
8. O'ring dello stelo in Viton
9. Stelo anti-espulsione
10. Flangia ISO 5211 per montaggio diretto attuatore
11. Sistema di bloccaggio
12. Dispositivo anti-statico
13. Disegno anti-incendio
14. Pressione massima 40/16 bar
15. Temperatura d'esercizio -30°C + 180° C

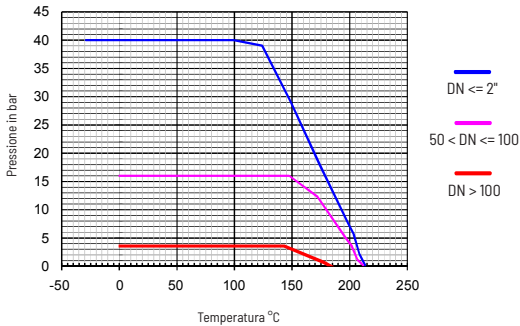
ART. 528
STAINLESS STEEL FULL PORT BALL VALVE, FLANGED ENDS

CERTIFICATES EN 10204/2.1

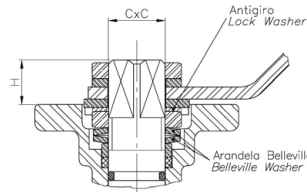
TECHNICAL INFORMATION

1. Full port ball valve, 2 pieces
2. Flanged ends according DIN 2501-EN. PN40 DN 15 to DN 50 and PN16 DN 65 to DN 200
3. Made of Stainless Steel Din 1.4408 (CF8M)
4. Desing according DIN 3357 / ISO 5752
5. Face to face according Din 3202 F4 / F5
6. Ball seats PTFE + 15% G. F.
7. Up to Dn 32 with spirometalic gasket
8. Viton O' ring stem
9. Blow-out proof stem.
10. Direct mounting actuator according ISO 5211 (patent system).
11. Block System included
12. Anti- Static device
13. Fire-safe design
14. Max.. Working pressure 40/16 bar
15. Working Temperature -30 °C + 180 °C

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



DETTAGLI DELLA ZONA DI TENUTA ALBERO
STEM DETAIL

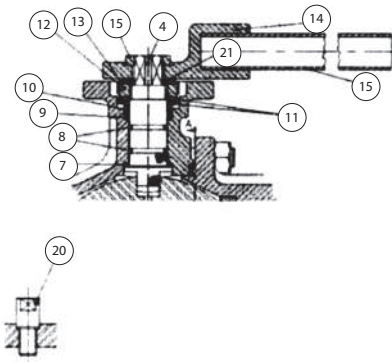


Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

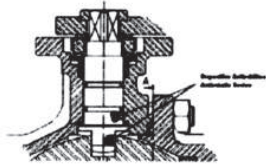
DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)						H	h	Peso Weight (Kg)	Misura Size	Coppia Activating torque (Nm)
			ISO 5211	D	A	L	M	CxC					
1/2"	IV5281/2	40	F04	95	85	115	170	9x9	46	9.5	2.20	1/2"	4 - 5
3/4"	IV5283/4	40	F04/05	105	85	120	170	9x9	51	10	3.05	3/4"	7 - 8
1"	IV5281	40	F04/05	116	95	125	170	11x11	57	11	3.75	1"	9 - 10
1 1/4"	IV52811/4	40	F05/07	140	106	130	200	14x14	71	15.5	5.75	1 1/4"	12 - 14
1 1/2"	IV52811/2	40	F05/07	150	110	140	200	14x14	76	15.5	7.00	1 1/2"	18 - 20
2"	IV5282	40	F05/07	165	118	150	200	14x14	83	15.5	9.50	2"	28 - 30
2 1/2"	IV52821/2	16	F07/10	185	170	170	380	17x17	119	21	14.75	2 1/2"	34 - 36
3"	IV5283	16	F07/10	200	170	180	380	17x17	130	21	18.85	3"	58 - 60
4"	IV5284	16	F07/10	220	170	190	380	17x17	145	21	26.25	4"	90 - 95
5"	IV5285	16	F10/12	250	200	325	520	27x27	163	34	43.65	5"	130 - 150
6"	IV5286	16	F10/12	285	220	350	620	27x27	180	34	60.85	6"	190 - 210
8"	IV5288	16	F12	340	300	400	700	25x25	-	-	106.70	8"	380 - 410



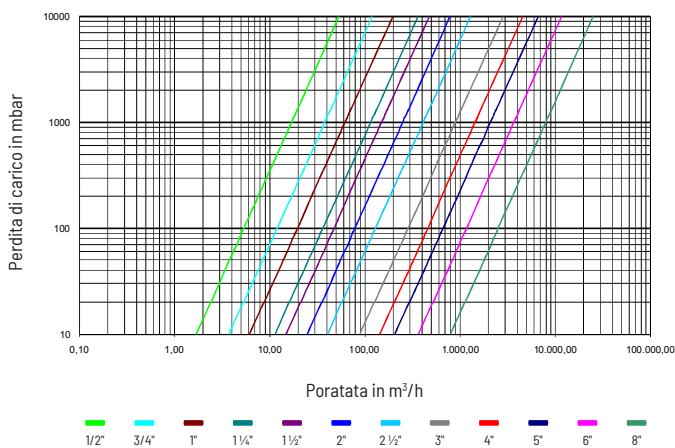
SOLO PER DIAMETRI DA 2 1/2" - 8"
FOR 2 1/2" - 8" SIZES ONLY

N°	Nome / Name	Materiale / Material	Finitura / Surface Treatment
14	Corpo della leva / Body Handle	AISI 304	Decapata / Shot blasting + picking
19	Dado / Nut	Inox AISI 316	--
20	Perno di bloccaggio / Stopper	Inox AISI 304	--
21	Antigiro / Lock washer	Inox AISI 304	--

DISPOSITIVO ANTISTATICO
ANTISTATIC DEVICE


Questo dispositivo garantisce una continuità elettrica tra Sfera - Stelo - Corpo, esigenza particolarmente richiesta per i fluidi infiammabili.

This device guarantees electric continuity between Ball - Stem - Body. This is of special necessity in inflammable fluids.

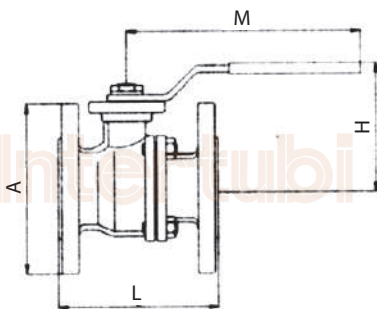
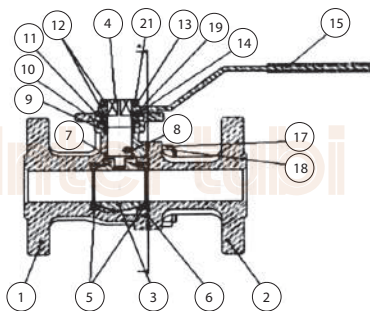
DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
19	40	65	110	180	365	495	970	1620	2530	4050	8650

N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Din 1.4408 (CF8M)	Decapata / Shot blasting + Picking
2	Coperchio / Cap	Din 1.4408 (CF8M)	Decapata / Shot blasting + Picking
3	Sfera / Ball	Inox Aisi 316	---
4	Stelo / Stem	Inox Aisi 316	---
5	Guarnizione sede sfera / Seat ball	PTFE + GF	---
6	Guarnizione corpo - coperchio / Gasket	Spirometallica	---
7	Guarnizione corpo - asta / Stem Packing	PTFE+Grafite / PTFE+Graphite	---
8	O'ring Stelo / O'ring	VITON	---
9	Guarnizione / Stem packing	PTFE	---
10	Guarnizione / Stem ring	Inox Aisi 316	---
11	Rondella / Spring Washer	Inox Aisi 301	---
12	Dado / Nut	Inox Aisi 316	---
13	Rondella / Washer	Inox Aisi 304	---
14	Fermo molla / Stopper	Inox Aisi 304	---
15	Leva / Handle	Inox Aisi 304	---
16	Rivestimento leva / Handle sleeve	Vinyl	---
17	Dado / Nut	Inox Aisi 316	---
18	Perno / Stud bolt	Inox Aisi 316	---
19	Rondella di sicurezza / Lock Washer	Inox Aisi 304	---



ART. 528/A
VALVOLA A SFERA ACCIAIO INOSSIDABILE,
PASSAGGIO TOTALE FLANGIATA, ANSI CLASSE 150

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

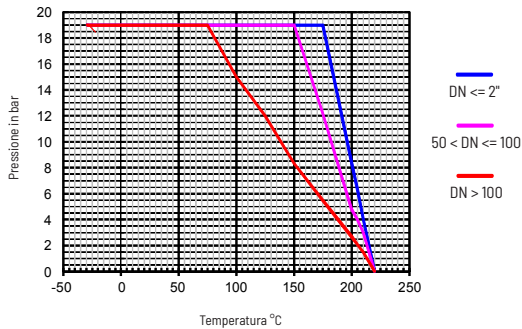
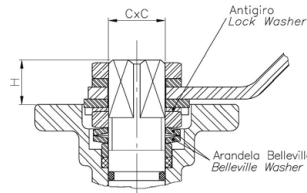
1. Valvola a sfera passaggio totale, 2 pezzi
2. Estremità flangiata secondo Asme B 16.5 Ansi classe 150
3. Acciaio inox DIN 1.4408 (CF8M)
4. Disegno secondo le normative ASME B16.34
5. Scartamento tra le facce secondo norme ASME B 16.10
6. Sede della sfera in PTFE + 15% Fibra di vetro
7. Guarnizione di tenuta in PTFE
8. Disegno anti-incendio
9. Stelo anti-espulsione
10. Flangia montaggio diretto attuatore secondo ISO 5211
11. Sistema di bloccaggio
12. Dispositivo anti-statico
13. Ispezione e collaudo secondo norme API 598, API 6D
14. Pressione massima 19 bar
15. Temperatura d'esercizio - 30° C + 180 °C

ART. 528/A
STAINLESS STEEL FULL PORT BALL VALVE, FLANGED
ENDS, ANSI CLASS 150

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Full port ball valve, 2 pieces
2. Flanged ends according ASME B 16.5 ANSI Class 150
3. Made of Stainless Steel DIN 1.4408 (CF8M)
4. Design according ASME B16.34
5. Face to Face according ASME B 16.10
6. Ball seats PTFE + 15% G.F.
7. Body seal made by PTFE
8. Fire-safe design
9. Blow-out proof stem
10. Direct mounting actuator according ISO 5211
11. Block System included
12. Anti - static device
13. Inspection & Testing: API 598, API 6 D
14. Max.. Working pressure 19 bar
15. Working Temperature - 30 °C + 180 °C

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING

DETTAGLI DELLA ZONA DI TENUTA ALBERO
STEM DETAIL


Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard Belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

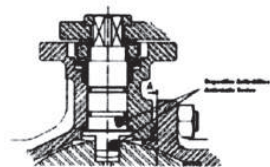
DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	Classe Class	Dimensioni / Dimensions (mm)						Peso Weight (Kg)	Misura Size	Coppia Activating torque (Nm)
			ISO 5211	D	A	L	M	CxC			
1/2"	IV528A1/2	150	F04	89	85	108	170	9x9	1.50	1/2"	4 - 5
3/4"	IV528A3/4	150	F04/F05	98.6	85	117	170	9x9	2.15	3/4"	7 - 8
1"	IV528A1	150	F04/F05	108	95	127	170	11x11	2.87	1"	9 - 10
1 1/4"	IV528A11/4	150	F05/F07	117	106	140	200	14x14	3.95	1 1/4"	12 - 14
1 1/2"	IV528A11/2	150	F05/F07	127	110	165	200	14x14	5.80	1 1/2"	18 - 20
2"	IV528A2	150	F05/F07	152.5	118	178	200	14x14	8.40	2"	28 - 30
2 1/2"	IV528A21/2	150	F07/F10	177.8	170	190	380	17x17	13.50	2 1/2"	34 - 36
3"	IV528A3	150	F07/F10	190.5	170	203	380	17x17	17.80	3"	58 - 60
4"	IV528A4	150	F07/F10	228.6	170	229	380	17x17	30.50	4"	90 - 95
6"	IV528A6	150	F10/F12	279.4	228	394	620	27x27	56.00	6"	190 - 210
8"	IV528A8	150	F12	342.9	--	457	--	27x27	135.00	8"	380 - 410

SOLO PER DIAMETRI DA 2 1/2" - 8"
FOR 2 1/2" - 8" SIZES ONLY

N°	Nome / Name	Materiale / Material	Finitura / Surface Treatment
14	Corpo della leva / Body Handle	AISI 304	Decapata / Shot blasting + Pickling
19	Dado / Nut	AISI 304	--
20	Perno di bloccaggio / Stopper	AISI 304	--
21	Antigiuro / Lock washer	AISI 304	--

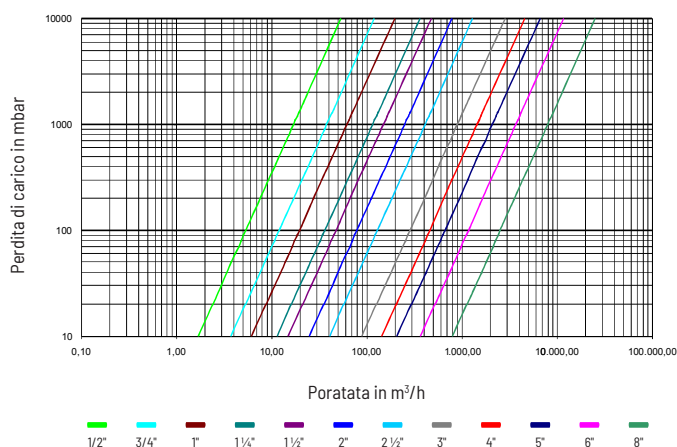
DISPOSITIVO ANTISTATICO
ANTISTATIC DEVICE



Questo dispositivo garantisce una continuità elettrica tra Sfera - Stelo - Corpo, esigenza particolarmente richiesta per i fluidi infiammabili.

This device guarantees electric continuity between Ball - Stem - Body. This is of special necessity in inflammable fluids.

DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	CF8M (AISI 316)	Decapata / Shot blasting + Pickling
2	Coperchio / Cap	CF8M (AISI 316)	Decapata / Shot blasting + Pickling
3	Sfera / Ball	CF8M (AISI 316)	---
4	Stelo / Stem	Inox Aisi 316/SS 316	---
5	Guarnizione sede sfera / Seat ball	PTFE + GF	---
6	Guarnizione corpo/Gasket	PTFE	---
7	Tenuta stelo / Stem racking	PTFE + Graphite	---
8	O'ring	Viton	---
9	Tenuta stelo / Stem racking	PTFE	---
10	Anello di tenuta / Stem ring	Inox Aisi 304/SS 304	---
11	Rondella / Spring washer	Inox Aisi 301/SS 301	---
12	Dado / Nut	Inox Aisi 304/SS 304	---
13	Rondella / Washer	Inox Aisi 304/SS 304	---
14	Corpo Leva / Body Handle	Inox Aisi 304/SS 304	---
15	Leva / Handle	Inox Aisi 304/SS 304	---
16	Rivestimento leva / Handle sleeve	Vinile / Vynil	---
17	Dado / Nut	Inox Aisi 304/SS 304	---
18	Perno / Stud bolt	Inox Aisi 304/SS 304	---
19	Rondella di sicurezza / Lock washer	Inox AISI 304/SS304	---

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
17	38	62	115	150	250	410	900	1450	3700	8000

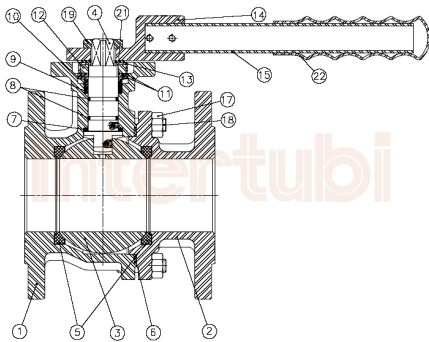


ART. 529
VALVOLA A SFERA INOX, PASSAGGIO TOTALE
ESTREMITÀ FLANGIATE

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola a sfera passaggio totale, 2 pezzi
2. Estremità flangiate secondo DIN 2501-EN, PN 40.
3. Acciaio inox secondo CF8M
4. Scartamento tra le facce secondo DIN 3202 F4/F5
5. Sede della sfera in PTFE + 15% Fibra di vetro
6. Flangia superiore secondo ISO 5211
7. Anello dello stelo in Viton
8. Stelo anti-espulsione
9. Pressione massima 40 bar
10. Temperatura d'esercizio -30°C + 180° C

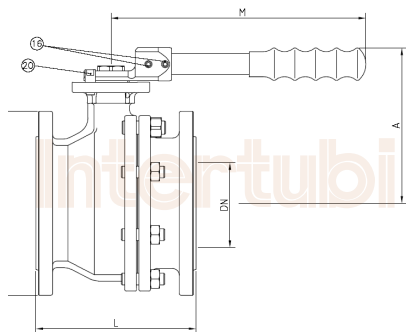


ART. 529
STAINLESS STEEL FULL PORT BALL VALVE, FLANGED
ENDS

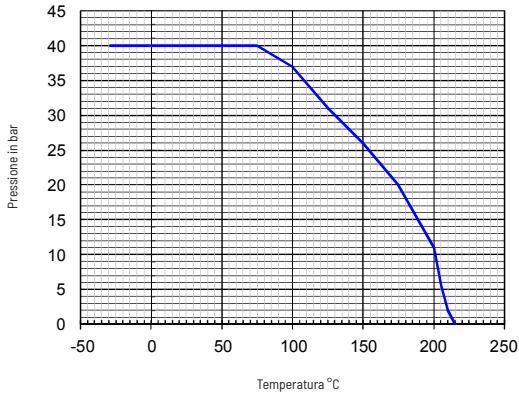
CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

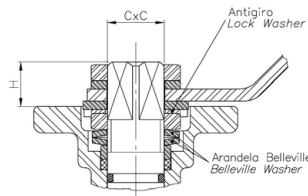
1. Full port ball valve, 2 pieces
2. Flanged ends according DIN 2501-EN PN-40
3. Made of Stainless Steel Din (CF8M)
4. Face to Face according Din 3202 F4 / F5
5. Ball seats PTFE + 15% G.F.
6. Top flange according ISO 5211
7. Viton O' ring stem
8. Blow-out proof stem
9. Max. Working pressure 40 bar
10. Working Temperature -30 °C + 180 °C



CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



DETTAGLI DELLA ZONA DI TENUTA ALBERO
STEM DETAIL



Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

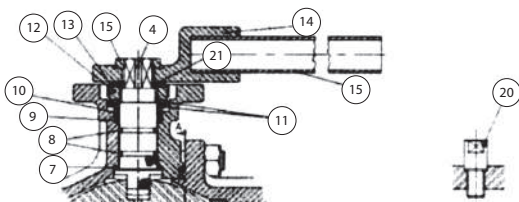
Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

DIMENSIONI GENERALI | GENERAL DIMENSIONS

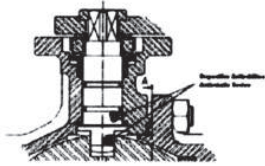
Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)							Peso Weight (Kg)
			DN	D	A	L	M	ISO	CxC	
2 1/2"	IV52921/2	40	65	185	155	170	280	F07/F10	17x17	17.15
3"	IV5293	40	80	200	165	180	280	F07/F10	17x17	21.20
4"	IV5294	40	100	235	180	190	280	F07/F10	17x17	29.90
5"	IV5295	40	125	270	200	325	380	F10/F12	27x27	52.90
6"	IV5296	40	150	300	350	350	450	F10/F12	27x27	75.45

Misura Size	Coppia Activating torque (Nm)
2 1/2"	34 - 36
3"	58 - 60
4"	90 - 95
5"	130 - 150
6"	190 - 210

SOLO PER DIAMETRI DA 4" - 6"
FOR 4" - 6" SIZES ONLY

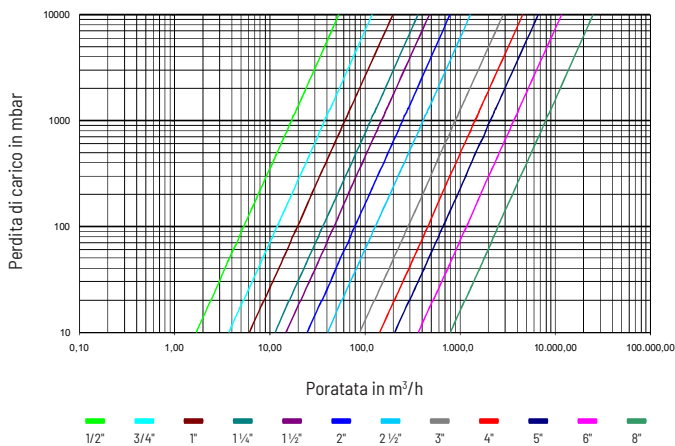


Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.
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DISPOSITIVO ANTISTATICO
ANTISTATIC DEVICE


Questo dispositivo garantisce una continuità elettrica tra Sfera - Stelo - Corpo, esigenza particolarmente richiesta per i fluidi infiammabili.

This device guarantees electric continuity between Ball - Stem - Body. This is of special necessity in inflammable fluids.

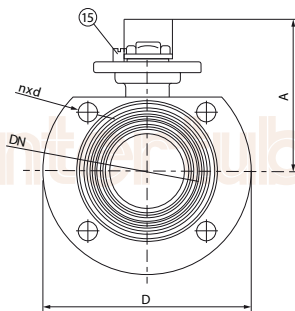
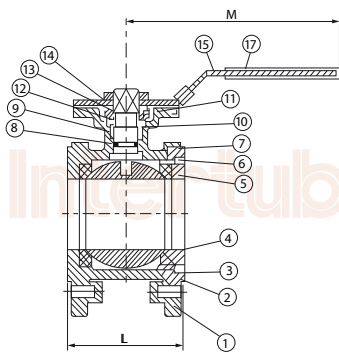
DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

2 1/2"	3"	4"	5"	6"
410	900	1450	2150	3700

N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Din 1.4408 (CF8M)	Decapata / Shot blasting + Picking
2	Coperchio / Cap	Din 1.4408 (CF8M)	Decapata / Shot blasting + Picking
3	Sfera / Ball	Inox Aisi 316/SS 316	---
4	Stelo / Stem	Inox Aisi 316/SS 316	---
5	Guarnizione sede sfera / Seat ball	PTFE + GF + 15 GF	---
6	Guarnizione corpo / Gasket	PTFE	---
7	Tenuta stelo / Stem packing	PTFE	---
8	O'ring	Viton	---
9	Tenuta stelo / Stem packing	PTFE	---
10	Anello di tenuta / Stem ring	Inox Aisi 304/SS 304	---
11	Rondella / Spring Washer	Inox Aisi 301/SS 301	---
12	Dado / Nut	Inox Aisi 304/SS 304	---
13	Rondella / Spring Washer	Inox Aisi 304/SS 304	---
14	Corpo Leva / Body Handle	Inox Aisi 304/SS 304	---
15	Leva / Handle	Din 1.4408 (CF8M)	---
16	Rivestimento leva / Stud bolt	Inox AISI 304/SS 304	---
17	Dado / Nut	Inox AISI 304/SS 304	---
18	Dado / Stud bolt	Inox AISI 316/SS 316	---
19	Dado / Nut	Inox AISI 304/SS 304	---
20	Fermo/ Stopper	Inox AISI 304/SS 304	---
21	Rondella / Washer	Inox AISI 304/SS 304	---
22	Rivestimento / Mandrel Sleeve	VXNIL	---



ART. 118 VALVOLA A SFERA INOX, TIPO WAFER

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola a sfera tipo wafer
2. Montaggio con Flange DIN EN PN16
3. Acciaio AISI 316
4. Sede sfera in PTFE + 15% fibra di vetro
5. Stelo anti-espulsione
6. Flangia ISO 5211 per montaggio diretto attuatore
7. Sistema di bloccaggio
8. Pressione massima 16 bar
9. Temperatura d'esercizio -20°C + 180°C

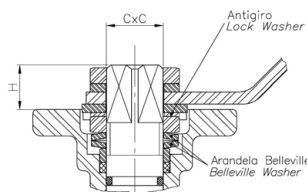
ART. 118 STAINLESS STEEL FULL PORT BALL VALVE, WAFER TYPE

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

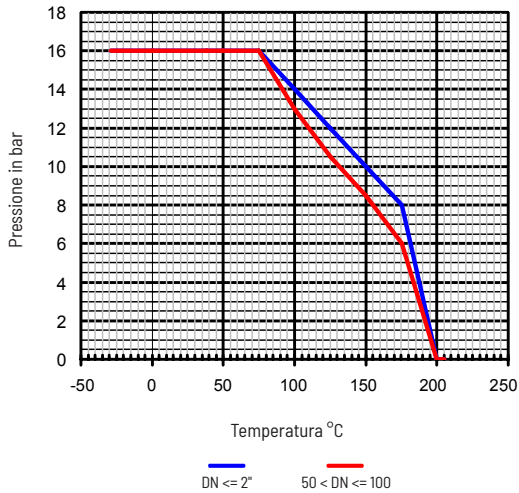
1. Full port ball valve, Wafer type
2. Assembly with flanges DIN EN PN16
3. Made of Stainless Steel AISI 316
4. Ball seats PTFE + 15% G.F.
5. Blow - out proof stem
6. Direct mounting actuator according ISO 5211 (from 1")
7. Block System included
8. Max. Working pressure 16 bar
9. Working Temperature -20°C + 180°C

DETTAGLI DELLA ZONA DI TENUTA ALBERO | STEM DETAIL



Molle a tazza / Belleville Washer. Le molle a tazza esercitano una forza costante sulle guarnizioni dell'albero, garantendo una tenuta stagna al variare delle condizioni di esercizio. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying parameters.

Rosetta anti svitamento / Lock Washer. Previene lo svitamento del dado dell'albero quando sottoposto a un elevato ciclo di manovre. / Prevents unthreading of stem nut in high cycle automation applications.

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING


N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316	Sabbiata / Shoot blasting
2	Coperchio / Cap	Inox Aisi 316	Sabbiata / Shoot blasting
3	Guarnizione corpo / Gasket	PTFE	---
4	Sfera / Ball	Inox Aisi 316	---
5	Guarnizione sede / Ball	PTFE + 15% GF	---
6	Sfera stelo / Stem	Inox Aisi 316	---
7	Rondella / Trust washe	PTFE	---
8	O'ring / O'ring	VITON	---
9	Guarnizione corpo / Stem packing	PTFE	---
10	Guarnizione / Stem ring	Inox Aisi 304	---
11	Dado / Nut	Inox Aisi 304	---
12	Rondella molla / Spring Washer	Inox Aisi 304	---
13	Rosetta anti slittamento / Lock washer	Inox Aisi 304	---
14	Rondella / Washer	Inox Aisi 304	---
15	Fermo spilla / Stop pin	Inox Aisi 304	---
16	Leva / Handle	Inox Aisi 304	---
17	Coperchio plastica / Plastic cover	VINILE / VYNIL	---

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)							Fori Holes	Peso Weight (Kg)	
			Ø d	A	L	M	ISO 5211	H	CxC			
1/2"	IV1181/2	16	95	85	36	115	F03	F04	10	9x9	4xM12	1.70
3/4"	IV1183/4	16	105	90	38	115	F03	F04	10	9x9	4xM12	1.90
1"	IV1181	16	115	95	50	170	F04	F05	10	11x11	4xM12	2.50
1 1/4"	IV11811/4	16	140	100	53	170	F04	F05	12.5	11x11	4xM16	3.50
1 1/2"	IV11811/2	16	150	105	65	210	F05	F07	14.5	14x14	4xM16	4.35
2"	IV1182	16	165	115	78	210	F05	F07	14	14x14	4xM16	5.45
2 1/2"	IV11821/2	16	185	130	98	260	F07	F10	17	17x17	4xM16	7.80
3"	IV1183	16	200	145	118	260	F07	F10	16	17x17	8xM16	10.30
4"	IV1184	16	220	175	140	260	F07	F10	19	17x17	8xM16	18.00

Misura Size	Coppia Activating torque (Nm)
DN15	4 - 5
DN20	6 - 8
DN25	8 - 10
DN32	12 - 14
DN40	18 - 20
DN50	25 - 30
DN65	32 - 36
DN80	50 - 60
DN100	85 - 95

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
24	43	83	130	205	340	520	1100	1820

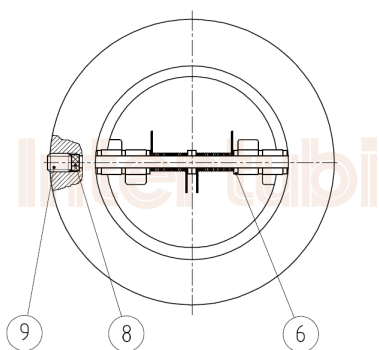


ART. 402 VALVOLA DI RITEGNO TIPO WAFER, DOPPIO BATTENTE

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola di ritegno doppio battente tipo wafer
2. Acciaio inossidabile in CF8M
3. Battente in CF8M
4. Asta e molla in AISI 316
5. Sede in Viton (FKM) vulcanizzata
6. Montaggio tra le flange DIN EN PN25 | ANSI 150
7. Installazione con flusso verticale, orizzontale o inclinato
8. Scartamento tra le facce secondo EN558-1
9. Pressione massima 25 bar
10. Temperatura massima d'esercizio 180 °C

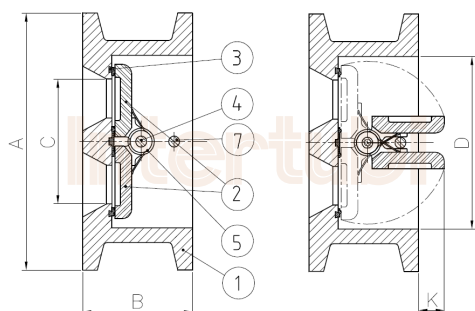


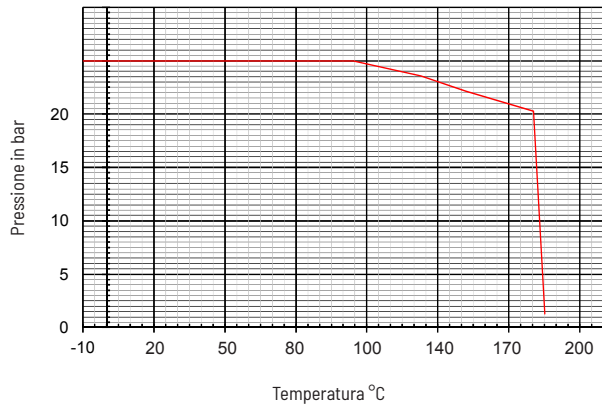
ART. 402 CHECK VALVE (DOUBLE DISK) WAFER TYPE

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Wafer check valve (double disk)
2. Made of stainless steel CF8M
3. Disk made of CF8M
4. Axle and spring made of AISI 316
5. Seat of viton (FKM) vulcanised in groove
6. Assembly between flanges DIN EN PN25 | ANSI 150
7. Installed with vertical horizontal or inclined flow
8. Face to face according EN 558-1
9. Max working pressurer 25 bar
10. Max. Working temperature 180 °C

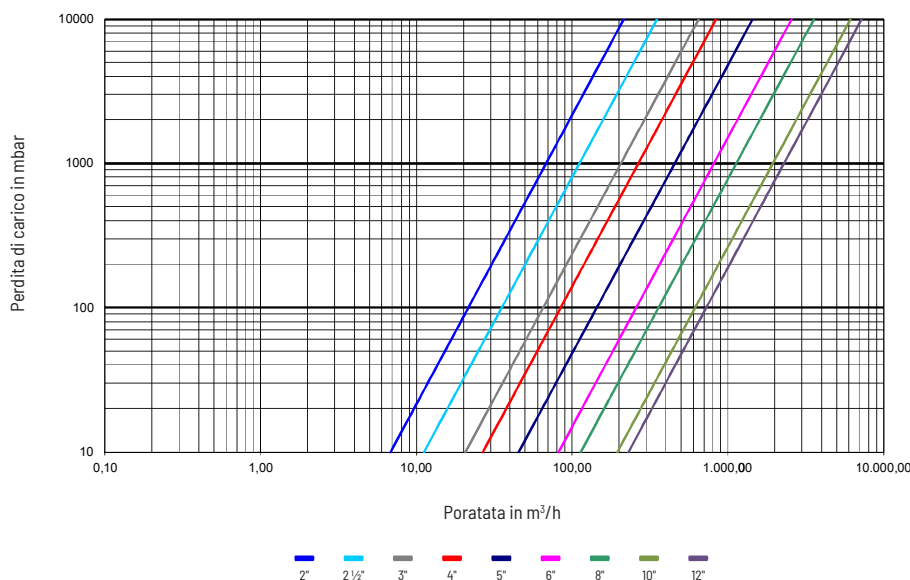


CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING

DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	DN	PN	Dimensioni / Dimensions (mm)					Peso Weight (Kg)
				A	B	C	D	K	
2"	IV4022	50	25	101	54	48	65	5	1.62
2 1/2"	IV40221/2	65	25	119	54	59	80	11	2.10
3"	IV4023	80	25	133	57	72	95	11	2.55
4"	IV4024	100	25	164	64	90	117	24	4.10
5"	IV4025	125	25	194	70	110	145	34	6.50
6"	IV4026	150	25	219	76	135	170	43	8.30
8"	IV4028	200	25	276	95	175	224	67	16.50
10"	IV40210	250	25	337	108	215	265	80	19.80
12"	IV40212	300	25	400	143	254	310	96	35.90

N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316	Decapata / Shot blasting + Picking
2	Battente / Disk	Inox Aisi 316	Decapata / Shot blasting + Picking
3	Guarnizione / Seat	Viton (FKM)	--
4	Asta / Axle	Inox Aisi 316	--
5	Molla / Spring	Inox Aisi 316	--
6	Rondella / Washer	PTFE	--
7	Fermo del disco / Disk stopper	Inox Aisi 316	--
8	Tappo / Plug	FKM	--
9	Grano / Grub screw	Inox Aisi 304	--

DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



PRESSIONE MINIMA DI APERTURA | MINIMUM OPENING PRESSURE

Flusso Flow	Applicazione Application	Pressione Pressure	2"	2½"	3"	4"	5"	6"	8"	10"	12"
↑	Con molla With spring	mbar	22,8	22,8	22,8	24	24,5	24,7	25,4	26,6	27,3
→	Con molla With spring	mbar	22,4	22,4	22,4	23,5	24	24,1	24,7	25,8	26,4
↓	Con molla With spring	mbar	22	22	22	23	23,5	23,5	24	25	25,5
↑	Senza molla Without spring	mbar	0,4	0,4	0,4	0,5	0,5	0,6	0,7	0,8	0,9

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

2"	2½"	3"	4"	5"	6"	8"	10"	12"
68	111	206	266	455	813	1132	1950	2300

ART. 406
VALVOLA DI RITEGNO A CLAPET TIPO WAFER

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

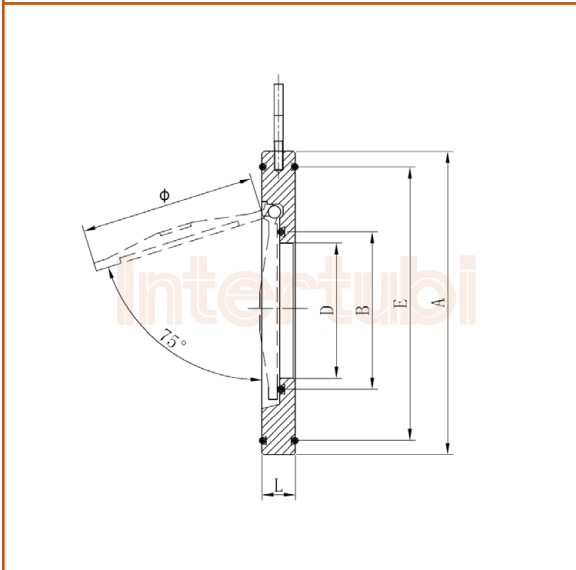
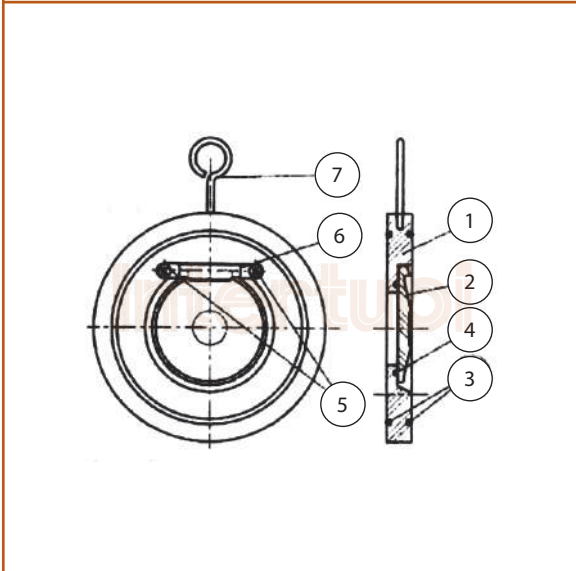
1. Valvola di ritegno a clapet tipo wafer
2. Acciaio inossidabile AISI 316
3. O'ring esterno in viton (FKM)
4. O'ring del battente in Viton (FKM)
5. Montaggio tra le flange DIN EN PN10/16 ANSI150
6. (Eccetto DN40 solo DIN) Installazione con flusso verticale o orizzontale
7. Pressione massima 16 bar
8. Temperatura massima d'esercizio -20°C / +180 °C
9. Basse perdite di carico

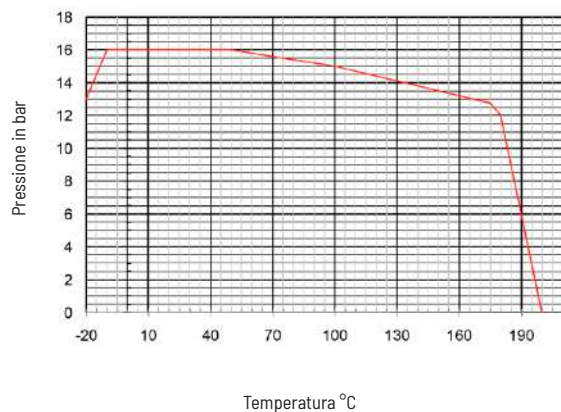
ART. 406
CHECK VALVE (SINGLE DISK) WAFER TYPE

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Wafer check valve (single disk)
2. Made of stainless steel AISI 316
3. External o'ring made of viton (FKM)
4. Disk o'ring made of viton (FKM)
5. Assembly between flanges DIN EN PN10/16 ANSI150
6. (Except DN40 only DIN) Installed with vertical or horizontal flow
7. Max working pressure 16 bar
8. Max working temperature -20°C / +180 °C
9. Low head losses



CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING


N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316	--
2	Battente / Disk	Inox Aisi 316	--
3	O'ring esterno / External O'ring	Viton	--
4	O'ring battente / Disk O'ring	Viton	--
5	Vite dell'asse / Axis screw	Inox Aisi 316	--
6	Fermo dello stelo / Stem stopper	Inox Aisi 316	--
7	Gancio / Hook	Acciaio / Steel	Zincato / Zinc plated

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)				L	Ø	Peso Weight (Kg)
			A	B	D	E			
2"	IV4062	16	105	41	32	84	14	47.5	0.85
2 1/2"	IV40621/2	16	124	51	40	96	14	63	1.18
3"	IV4063	16	136	65	54	118	14	74	1.48
4"	IV4064	16	164	85	70	148	18	92	2.50
5"	IV4065	16	194	106	92	166	18	116	3.20
6"	IV4066	16	220	130	114	197	20	138	4.40
8"	IV4068	16	275	170	154	249	22	179	7.15
10"	IV40610	16	330	220	200	310	26	230	11.95

PRESSIONE DI APERTURA | OPENING PRESSURE (MBAR)

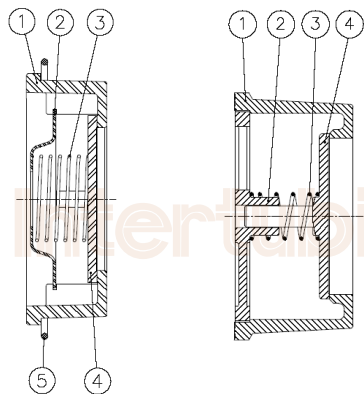
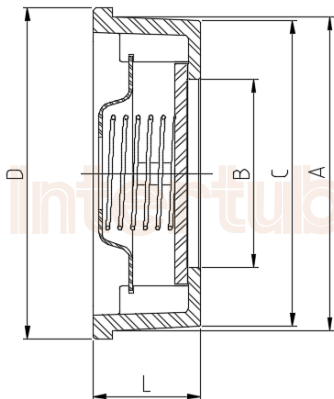
Flusso / Flow	DN40 ~ DN150	DN200 ~ DN300
→	≈ 0	≈ 0
↑	6	9

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
11,5	25,5	42,5	68	248	550,5	729	1045	1907	2720



DN15~DN100

DN125~DN200

ART. 415 VALVOLA DI RITEGNO A DISCO TIPO WAFER

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola di ritegno a Disco tipo Wafer
2. Corpo in acciaio inox AISI 316
3. Disco in acciaio inox AISI 316
4. Molla in acciaio inox AISI 316
5. Dimensioni ridotte
6. Montaggio tra flange DIN EN PN 10/16/40 e ANSI 150/300
7. Installazione Orizzontale, Verticale o Inclinata
8. Scartamento secondo EN 558-1 S.49
9. Pressione di esercizio massima 40/25 bar
10. Bassa perdita di carico
11. Tempertura di esercizio -20°C / $+240^{\circ}\text{C}$

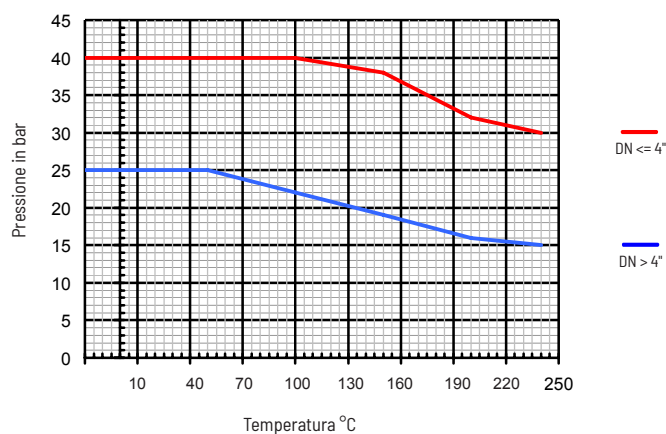
ART. 415 WAFER DISK CHECK VALVE

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Wafer check valve (single disk).
2. Made of Stainless Steel AISI 316
3. Disk made of AISI 316
4. Spring made of AISI 316
5. Little dimensions
6. Assembly between flanges DIN EN PN 10/16/40 and ANSI 150/300
7. Installed with vertical, horizontal or inclined flow
8. Face to Face according EN 558-1 S.49
9. Max. Working pressure 40/25 bar
10. Low head losses
11. Working Temperature -20°C / $+240^{\circ}\text{C}$

CURVA PRESSIONE TEMPERATURA PRESSURE TEMPERATURE RATING



DIMENSIONI GENERALI GENERAL DIMENSIONS

Diametri Size	Codice Code	DN	PN	Dimensioni / Dimensions (mm)				C	Peso Weight (Kg)
				D	B	A	L		
1/2"	IV4151/2	15	40	39	15	34	16	33	0.08
3/4"	IV4153/4	20	40	46	20	41	19	40	0.12
1"	IV4151	25	40	54	25	49	22	47,5	0.19
1 1/4"	IV41511/4	32	40	70	32	62	28	59,5	0.38
1 1/2"	IV41511/2	40	40	81	40	71	32	68	0.52
2"	IV4152	50	40	94	48	85	40	81,5	0.77
2 1/2"	IV41521/2	65	40	113	62	102	46	97	1.24
3"	IV4153	80	40	132	75	123	50	117,5	1.86
4"	IV4154	100	40	150	95	140	60	134,5	2.65
5"	IV4155	125	25	187	118	177	90	169	5.50
6"	IV4156	150	25	217	140	205	106	196	8.30

PRESSIONE DI APERTURA | OPENING PRESSURE (MBAR)

Flusso / Flow	DN15 - DN65	DN80 - DN100	DN125 - DN200
↑ → ↓	24 ~ 30	20 ~ 26	30 ~ 36

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
4.9	8.8	11.2	20.7	29	40	57	85	92	192	255	425

Nota: i dati tecnici su questo catalogo sono indicativi e non impegnativi / Note: the technical data reported in this catalogue is proximate and not binding.

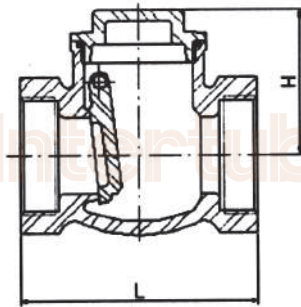
Data di emissione: 2020 Revisione: 01 / Date of issue: 2020 Revision: 01 - Copyright © Intertubi S.p.a. Tutti i diritti riservati / Copyright © Intertubi S.p.a. All rights reserved


**ART. 430
VALVOLA DI RITEGNO A CLAPET FILETTATA**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

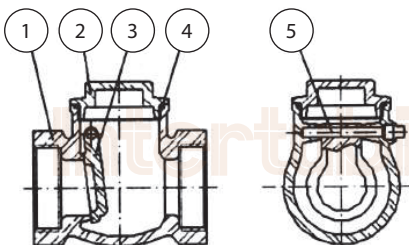
1. Valvola di ritegno a clapet filettata
2. Acciaio inossidabile Aisi 316
3. Estremità filettate secondo EN 10226-1 (EX ISO 7-1 e DIN 2999)
4. Pressione massima 16 Kg/cm²
5. Temperatura massima d'esercizio 180 °C


**ART. 430
SWING CHECK VALVE, THREADED ENDS**

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Swing check valve
2. Made by stainless steel Aisi 316
3. Threaded ends according EN 10226-1 (EX ISO 7-1 e DIN 2999)
4. Max. Working pressure 16 Kg / cm²
5. Max. working temperature 180 °C



CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING

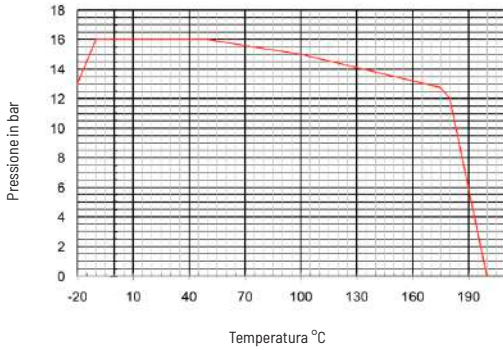
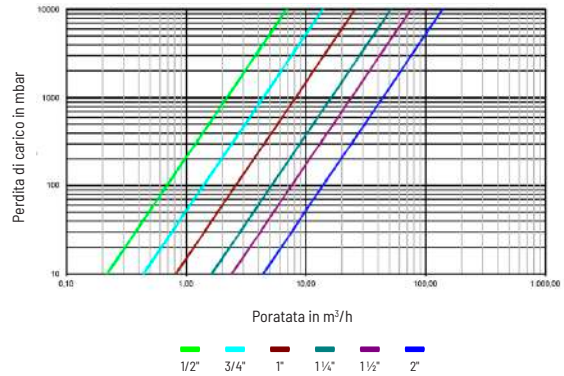


DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM

Rif: H2O -20C° Flusso in Orizzontale / Horizontal flow



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	Inox Aisi 316	Sabbiata / Shot blasting
2	Coperchio / Cap	Inox Aisi 316	Sabbiata / Shot blasting
3	Disco / Disc	Inox 316	---
4	Guarnizione / Gasket	PTFE	---
5	Stelo / Stem	Inox Aisi 316	---

DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)		Peso Weight (Kg)
			D	L	
1/2"	IV4301/2	16	44	65	0.31
3/4"	IV4303/4	16	53	80	0.49
1"	IV4301	16	58	90	0.72
1 1/4"	IV43011/4	16	62	105	1.04
1 1/2"	IV43011/2	16	73	120	1.65
2"	IV4302	16	78	141	2.39

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

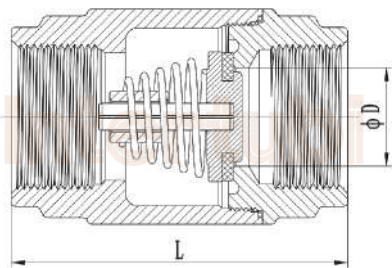
1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
2.2	4.4	8.2	16.4	24.1	44.2


**ART. 901 - PTFE
VALVOLA DI RITEGNO A MOLLA MOD. AURORA**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola di ritegno a molla
2. Acciaio inossidabile AISI 316
3. Guarnizione di tenuta PTFE
4. Estremità filettate secondo EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Pressione di esercizio max PN 16
6. Temperatura di esercizio: -25C° / + 180 C°
7. Pressione minima di apertura 0,13 bar

APPLICAZIONI: ACQUA, ACIDI E SOLVENTI COMPATIBILI

**ART. 901 - PTFE
SPRING CHECK VALVE MOD. AURORA**

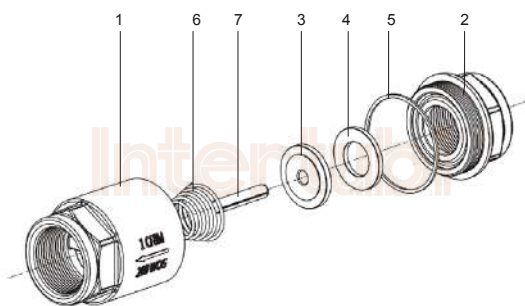
CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Spring check valve
2. Made by AISI 316 (CF8M)
3. Seat PTFE
4. Thread ends EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Max working pressure 16Kg/cm2
6. Working temperature -25C° / + 180 C°
7. Minimum opening pressure 0,13 bar

APPLICATIONS: WATER, ACIDS AND COMPATIBLE SOLVENT
DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	Dimensioni / Dimensions (mm)			Peso Weight (Kg)
		D	B	L	
3/8"	IV9013/8	10	30	54	0.15
1/2"	IV9011/2	15	34.5	57	0.17
3/4"	IV9013/4	20	41.5	64	0.29
1"	IV9011	25	48	75	0.44
1 1/4"	IV90111/4	32	60.5	82	0.67
1 1/2"	IV90111/2	40	71	93	1.0
2"	IV9012	50	87	100	1.61



N°	NOME / NAME	MATERIALI / MATERIAL
1	Corpo / Body	ACCIAIO INOX CF8M / SS 316 CF8M
2	Coperchio / Cover	ACCIAIO INOX CF8M / SS 316 CF8M
3	Disco / Disc	ACCIAIO INOX AISI 316 / SS AISI 316
4	Tenuta / Seat	PTFE / PTFE
5	Guarnizione Corpo Coperchio / Body Gasket	PTFE / PTFE
6	Molla / Spring	ACCIAIO INOX AISI 302 / 304
7	Stelo / Stem	ACCIAIO INOX AISI 316 / SS AISI 316

**ART. 902 - FKM****VALVOLA DI RITEGNO A MOLLA MOD. AURORA**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola di ritegno a molla
2. Acciaio inossidabile AISI 316
3. Guarnizione di tenuta FKM
4. Estremità filettate secondo EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Pressione di esercizio max PN 16
6. Temperatura di esercizio: -15C° / $+160\text{C}^{\circ}$
7. Pressione minima di apertura 0,13 bar

APPLICAZIONI: GAS, ACIDI E SOLVENTI COMPATIBILI

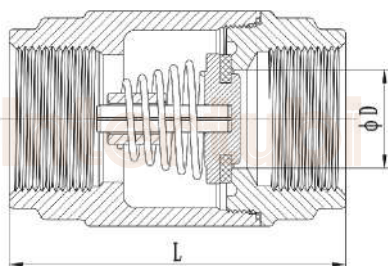
ART. 902 - FKM**SPRING CHECK VALVE MOD. AURORA**

CERTIFICATES EN 10204/2.1

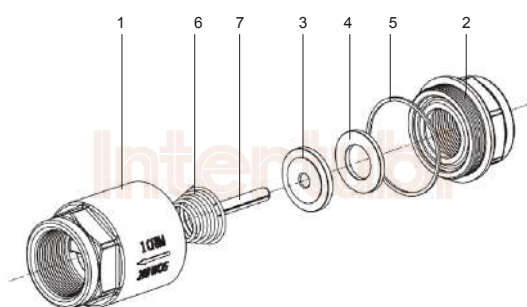
TECHNICAL INFORMATION

1. Spring check valve
2. Made by AISI 316 (CF8M)
3. Seat FKM
4. Thread ends EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Max working pressure 16Kg/cm²
6. Working temperaturer -15C° / $+160\text{C}^{\circ}$
7. Minimum opening pressure 0,13 bar

APPLICATIONS: GAS, ACIDS AND COMPATIBLE SOLVENT

**DIMENSIONI GENERALI | GENERAL DIMENSIONS**

Diametri Size	Codice Code	Dimensioni / Dimensions (mm)			Peso Weight (Kg)
		D	B	L	
3/8"	IV9023/8	10	30	54	0.15
1/2"	IV9021/2	15	34.5	57	0.17
3/4"	IV9023/4	20	41.5	64	0.29
1"	IV9021	25	48	75	0.44
1¼"	IV9021¼/4	32	60.5	82	0.67
1½"	IV9021½/2	40	71	93	1.0
2"	IV9022	50	87	100	1.61



N°	NOME / NAME	MATERIALI / MATERIAL
1	Corpo / Body	ACCIAIO INOX CF8M / SS 316 CF8M
2	Coperchio / Cover	ACCIAIO INOX CF8M / SS 316 CF8M
3	Disco / Disc	ACCIAIO INOX AISI 316 / SS AISI 316
4	Tenuta / Seat	FKM / FKM
5	Guarnizione Corpo Coperchio / Body Gasket	PTFE / PTFE
6	Molla / Spring	ACCIAIO INOX AISI 302 / 304
7	Stelo / Stem	ACCIAIO INOX AISI 316 / SS AISI 316

**ART. 461
FILTRO A Y FLANGIATO**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

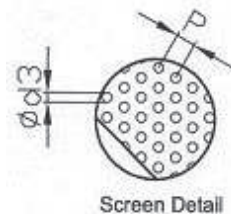
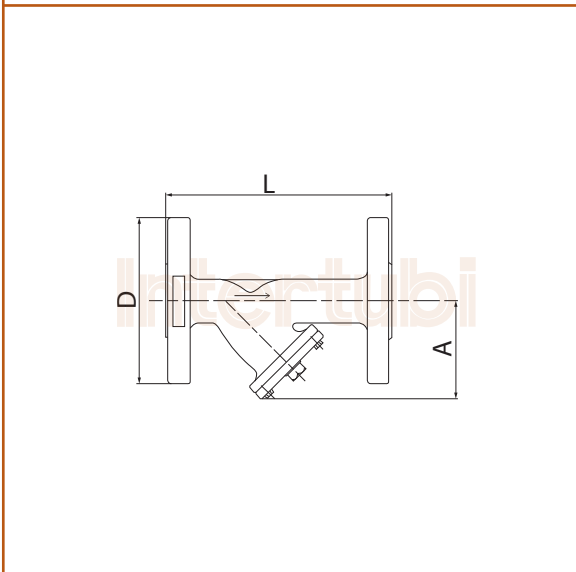
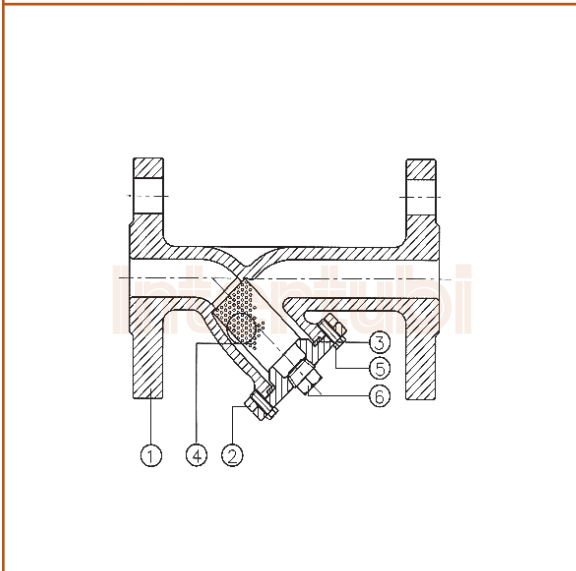
1. Filtro a Y
2. Estremità flangiate in accordo con DIN 2501 PN 16
3. Scartamento in accordo con DIN 3020 F1
4. Costruzione in acciaio INOX CF8M
5. Pressione massima di lavoro: 16 bar
6. Temperatura di lavoro $-30C^{\circ} / + 240C^{\circ}$

**ART. 461
FLANGED ENDS Y STRAINER**

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. "Y" Strainer
2. Flanged ends according to DIN 2501 PN 16
3. Face to Face according to DIN 3202 F1
4. Made of Stainless Steel CF8M
5. Max Working pressure 16 bar
6. Working temperature $-30C^{\circ} / + 240C^{\circ}$



CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING

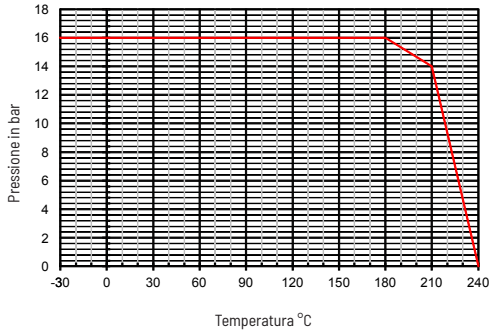
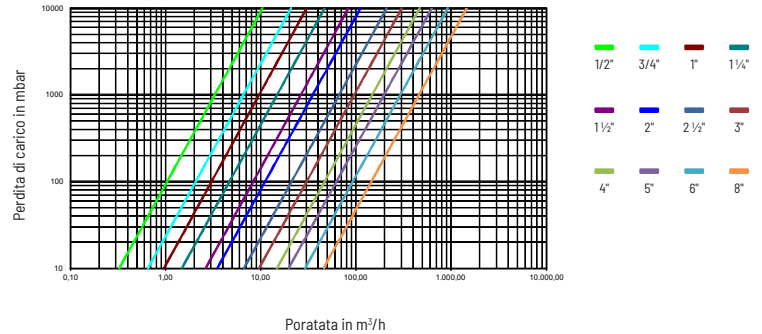


DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



N°	Nome / Name	Materiale / Material	Finitura Superficiale / Surface Treatment
1	Corpo / Body	ACCIAIO INOX CF8M / SS 316 CF8M	SABBIATA / SHOT BLASTING + PICKLING
2	Coperchio / Cover	ACCIAIO INOX CF8M / SS 316 CF8M	SABBIATA / SHOT BLASTING + PICKLING
3	Guarnizione / Gasket	PTFE / PTFE	
4	Filtro / Strainer	ACCIAIO INOX CF8M / SS 316 CF8M	
5	Viti / Bolt	ACCIAIO INOX AISI 304 / SS AISI 304	
6	Tappo / Plug	ACCIAIO INOX AISI 316 / SS AISI 316	TAPPO G1/2" Eccetto diametri da 1/2" a 1" / G1/2" Plug except for sizes 1/2"-1"

DIMENSIONI GENERALI | GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)					Peso Weight (Kg)
			A	D	L	P	d3	
1/2"	IV4611/2	16	75	95	130	2	1	1.95
3/4"	IV4613/4	16	90	105	150	2	1	2.75
1"	IV4611	16	100	115	160	2	1	3.70
1 1/4"	IV4611/4	16	115	140	180	2	1	5.90
1 1/2"	IV4611/2	16	130	150	200	2	1	6.40
2"	IV4612	16	150	165	230	2	1	8.90
2 1/2"	IV4612/2	16	190	185	290	3.5	2	12.95
3"	IV4613	16	200	200	310	3.5	2	18.15
4"	IV4614	16	230	220	350	3.5	2	24.30
5"	IV4615	16	280	250	400	3.5	2	38.35
6"	IV4616	16	300	285	480	3.5	2	61.30
8"	IV4618	16	400	340	605	3.5	2	115.00

Misura Size	Coppia Maximum torque value (Nm)
1 1/4" - 4"	50
5" - 6"	60
8" - 14"	80

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
3,30	6,60	9,70	14,90	26,60	35,40	67,20	96,10	149,00	198,50	294,60	462,50



ART. 601
FILTRO A Y FILETTATO

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

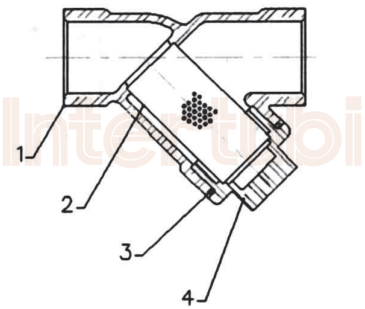
1. Filtro a Y filettato
2. Estremità filettate secondo norme EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Acciaio inossidabile CF8M
4. Pressione massima 40 bar
5. Temperatura d'esercizio -30 °C + 240 °C

ART. 601
TT HREADED ENDS Y STRAINER

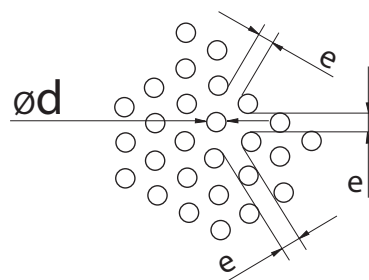
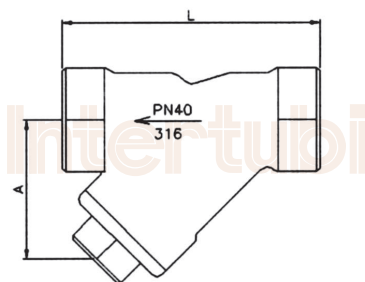
CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

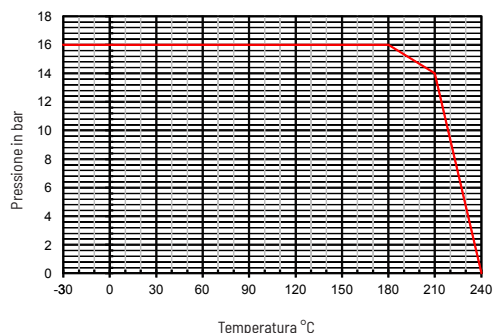
1. "Y" Strainer
2. Threaded ends according EN 10226-1 (EX ISO 7-1 e DIN 2999)
3. Made of stainless steel CF8M
4. Max. working pressure 40 bar
5. Working temperature -30 °C + 240 °C



DETTAGLIO MAGLIA FILTRANTE
MESH DETAIL

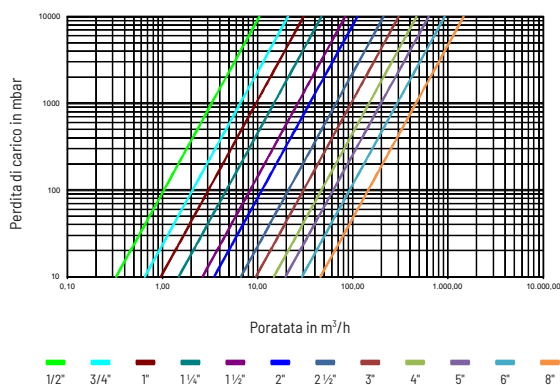


CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	CF8M	Sabbiata / Shot blasting + Pickling
2	Filtro / Strainer	AISI 316	---
3	Guarnizione / Gasket	PTFE	---
4	Tappo / Plug	CF8M	Sabbiata / Shot blasting + Pickling

DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



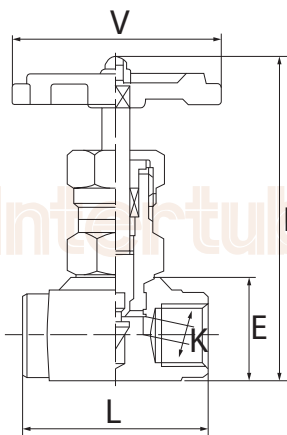
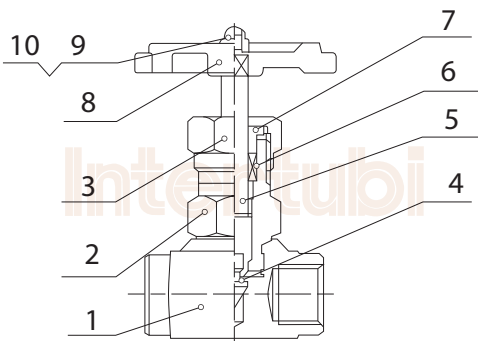
Misura Size	Coppia Maximum torque value (Nm)
1 1/4" - 4"	50

DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN	Dimensioni / Dimensions (mm)				Peso Weight (Kg)
			A	L	Ø d	e	
1/4"	IV601 1/4	40	30	65	1	1	0.29
3/8"	IV601 3/8	40	30	65	1	1	0.21
1/2"	IV601 1/2	40	40	65	1	1	0.22
3/4"	IV601 3/4	40	45	80	1	1	0.35
1"	IV6011	40	55	90	1	1	0.66
1 1/4"	IV6011 1/4	40	65	105	1	1	0.77
1 1/2"	IV6011 1/2	40	70	120	1	1	1.15
2"	IV6012	40	85	140	1	1	1.76



Intertubi


ART. 223
VALVOLA A SPILLO A VIA DIRITTA

3000 PSI

CERTIFICATI EN 10204/2.1

ESECUZIONE SPECIALE: NPT

CARATTERISTICHE TECNICHE

1. Valvola a spillo via diritta
2. Acciaio Inox ASTM A182 F316
3. Filetto estremità secondo EN 10226-1 (EX ISO 7-1 e DIN 2999) gas
4. Premistoppa in PTFE + Grafite
5. Pressione massima di lavoro 3000 Lbs.
6. Limiti pressione / Temperatura:
 - 1/4" - 1/2" = 3000 PSI / 260°C
 - 3/4" - 1 1/4" = 3000 PSI / 240°C
 - 1 1/2" - 2" = 3000 PSI / 200°C

ART. 223
NEEDLE VALVES

3000 PSI

CERTIFICATES EN 10204/2.1

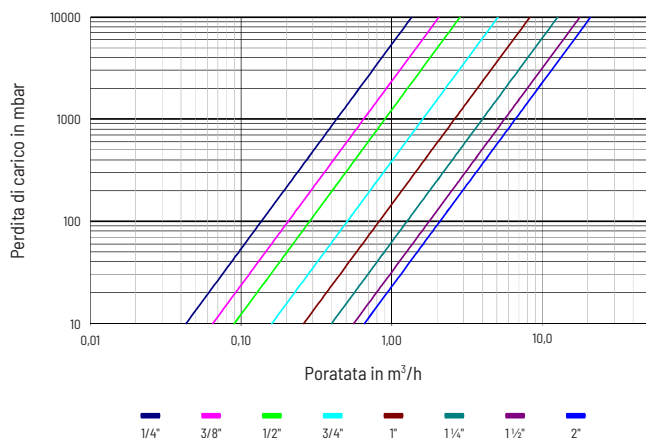
SPECIAL EXECUTION: NPT

TECHNICAL INFORMATION

1. Needle valve
2. Made of Stainless steel ASTM A182 F316
3. Threaded ends according EN 10226-1 (EX ISO 7-1 e DIN 2999) gas
4. Stem Packing PTFE + Graphite
5. Max. Working pressure 3000 Lbs.
6. Pressure / Temperature Range:
 - 1/4" - 1/2" = 3000 PSI / 260°C
 - 3/4" - 1 1/4" = 3000 PSI / 240°C
 - 1 1/2" - 2" = 3000 PSI / 200°C

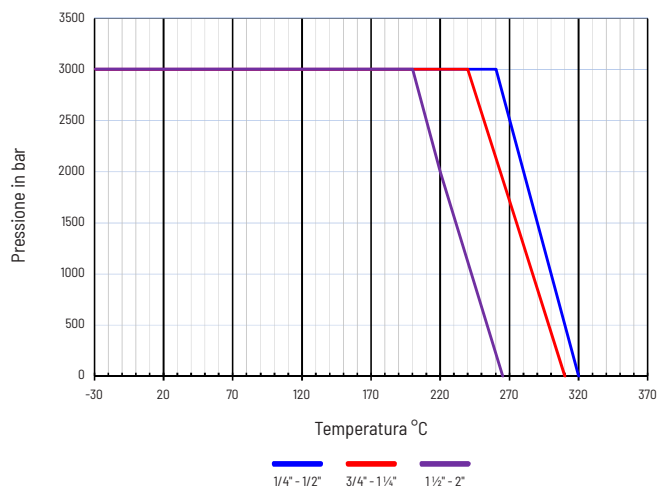
DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM

Rif: H2O -20C° Flusso in Orizzontale / Horizontal flow



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	AISI 316 / SS ASTM A182 F316	
2	Vitone / Bonnet	AISI 316	
3	Dado premistoppa / Nut	AISI 316	
4	Spillo / Needle	AISI 316 + Stellite / SS 316 + Stellite	
5	Stelo / Stem	AISI 316 / SS ASTM A182 F316	
6	Pacco Tenuta / Stem Packing	Teflon + Grafite / PTFE + Grafite	
7	Dado premistoppa / Packing Nut	AISI 316 / SS. AISI 316	
8	Volantino / Handwheel	Alluminio / Aluminium	Vernciato / Painted
9	Dado / Nut	AISI 304 / SS. AISI 304	
10	Rondella / Washer	AISI 304 / SS. AISI 304	

CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN (Lbs)	Dimensioni / Dimensions (mm)					Peso Weight (kg)
			E	H	L	K	V	
1/4"	IV2231/4	3000	25	85	50	3	63	0.26
3/8"	IV2233/8	3000	30	100	55	4	63	0.36
1/2"	IV2231/2	3000	34	115	60	6	72	0.53
3/4"	IV2233/4	3000	40	120	70	8	72	0.76
1"	IV2231	3000	45	138	75	9	80	1.17
1 1/4"	IV2231 1/4	3000	57	165	90	11	100	1.85
1 1/2"	IV2231 1/2	3000	67	185	100	15	120	2.90
2"	IV2232	3000	78	195	120	18	140	4.70

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

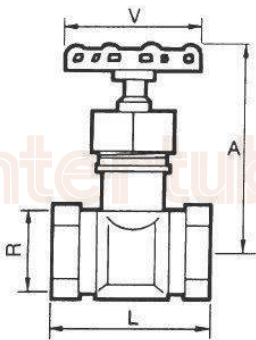
Med./Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
m³/h	0.25	0.36	0.47	0.95	1.1	1.6	4.76	5.36


**ART. 230
VALVOLA A GLOBO FILETTATA**

CERTIFICATI EN 10204/2.1

CARATTERISTICHE TECNICHE

1. Valvola a globo
2. Corpo in Acciaio AISI 316 CF8M
3. Otturatore in AISI 316
4. Estremità filettate secondo nome EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Premistoppa in PTFE
6. Pressione massima di esercizio 16 bar
7. Temperatura massima di esercizio: 180C°


**ART. 230
TTHREADED ENDS GLOBE VALVES**

CERTIFICATES EN 10204/2.1

TECHNICAL INFORMATION

1. Globe valve
2. Made of Stainless steel CF8M
3. Compact disc made of S. Steel 316
4. Threaded ends according EN 10226-1 (EX ISO 7-1 e DIN 2999)
5. Stem packing PTFE
6. Max working pressure 16 bar
7. Max working temperature: 180C°

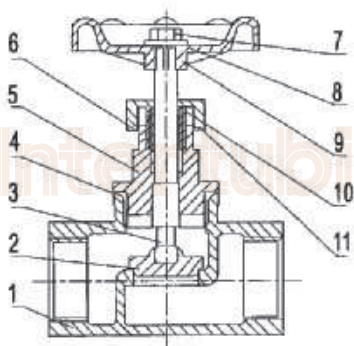
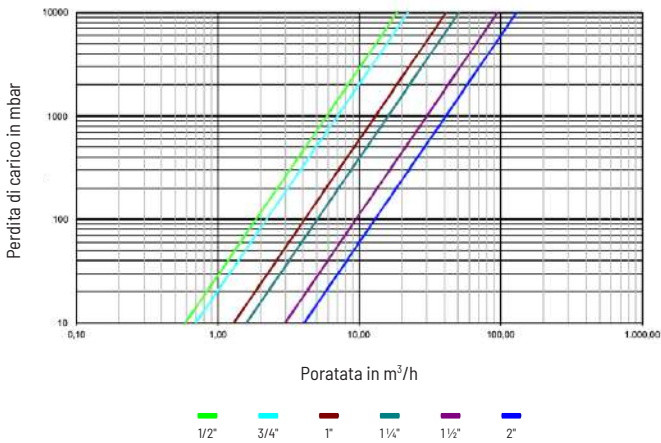
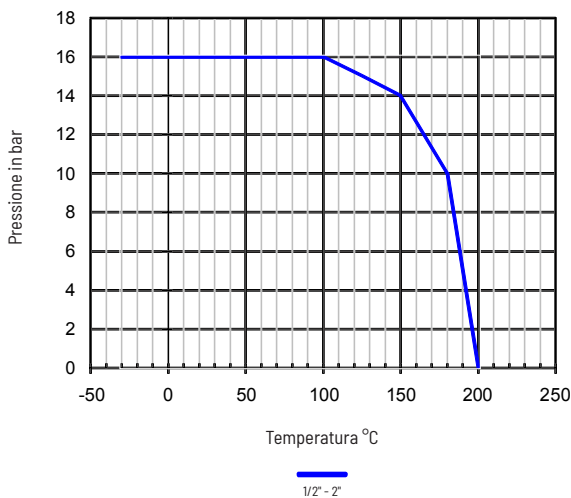


DIAGRAMMA DELLE PERDITE DI CARICO
HEAD LOSSES DIAGRAM



CURVA PRESSIONE TEMPERATURA
PRESSURE TEMPERATURE RATING



N°	Nome Name	Materiale Material	Finitura Superficiale Surface Treatment
1	Corpo / Body	ACCIAIO INOX CF8M /S.S. CF8M	RUVIDA / SHOT BLASTING
2	Otturatore / Disc	ACCIAIO INOX 316 / S.S. 316	
3	Stelo / Stem	ACCIAIO INOX 316 / S.S. 316	
4	Guarnizione / Body Gasket	TEFLÒN / PTFE	
5	Coperchio / Cap	ACCIAIO INOX CF8M /S.S. CF8M	RUVIDA / SHOT BLASTING
6	Rondella / Washer	ACCIAIO INOX 316 / S.S. 316	
7	Dado / Nut	ACCIAIO INOX 304 / S.S. 304	
8	Rondella / Washed	ACCIAIO INOX 304 / S.S. 304	
9	Volantino / Handwheel	ALLUMINIO / ALUMINIUM	VERNICIATA / PAINTED
10	Dado Premistoppa / Packing Nut	ACCIAIO INOX 316 / S.S. 316	
11	Tenuta / Stem Packing	TEFLÒN / PTFE	

DIMENSIONI GENERALI
GENERAL DIMENSIONS

Diametri Size	Codice Code	PN (Lbs)	Dimensioni / Dimensions (mm)				Peso Weight (Kg)
			R	A(OPEN)	L	V	
1/2"	IV2301/2	16	1/2"	97	65	70	0.38
3/4"	IV2303/4	16	3/4"	103	75	70	0.60
1"	IV2301	16	1"	116	90	70	0.85
1 1/4"	IV23011/4	16	1 1/4"	135	105	80	1.36
1 1/2"	IV23011/2	16	1 1/2"	152	120	100	1.88
2"	IV2302	16	2"	164	140	100	2.68

VALORE di Kv / Kv VALUES

Kv = Quantità metri cubi per ora che passa attraverso valvola generando una perdita di carico in bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

Med./Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
m³/h	5.9	7	13	16	30	41