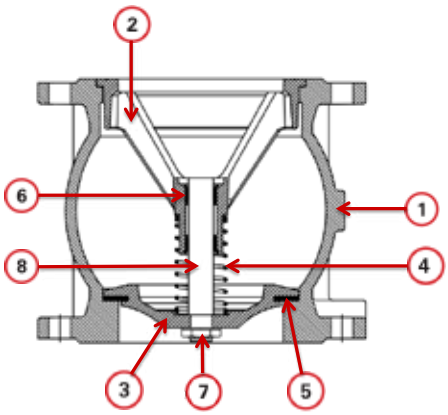
5

Valvole di ritegno
Check valves

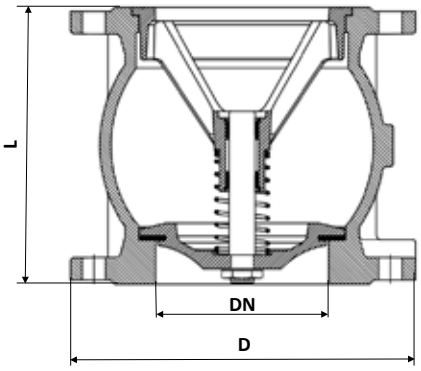
IDONEA ALL'UTILIZZO ACQUA POTABILE
SUITABLE FOR POTABLE WATER

Valvola di ritegno assiale
Axial disc check valve



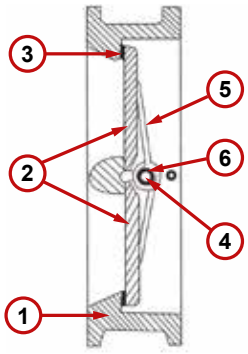
pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	EN-GJS-400-15 (Epoxy coated)
2	Guida, Guide	EN-GJS-400-15 (Nickel plated)
3	Disco, Disk	EN-GJS-400-15 (Epoxy coated)
4	Molla, Spring	AISI 304 (1.4301)
5	Guarnizione, Gasket	EPDM
6	Boccola, Bushing	Ottone/Brass
7	Dado, Lock nut	Acciaio inox/Stainless steel (A2-70)
8	Asse, Stem	AISI 420

Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	-20° C. / +85° C.
Flangiatura, Flanges drilled	EN 1092-2 PN 10 / PN 16
Collaudo, Test	EN 12266-1



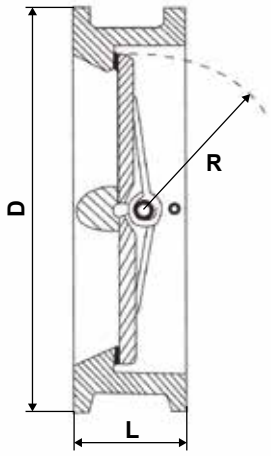
Dimensioni e prezzo, Size and price						
DN	**Cod. PN 10**	**Cod. PN 16**	**€.**	**L**	**D**	**Kg.**
50	-	4001050	**78,02**	100	165	5,2
65	-	4001065	**95,71**	120	185	7,5
80	-	4001080	**119,28**	140	200	9,8
100	-	4001100	**148,12**	170	220	12,8
125	-	4001125	**216,32**	200	250	20
150	-	4001150	**289,70**	230	285	28
200	400120010	4001200	**505,97**	300	340	53
250	400125010	4001250	**756,97**	370	405	70
300	400130010	4001300	**1116,15**	410	460	105

Valvola di ritegno a doppio battente
Dual plate check valve



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	EN-GJL-250 (Epoxy coated)
2	Battenti, Disk	AISI 316 (1.4401)
3	Guarnizione, Gasket	FKM
4	Asse, Stem	AISI 316 (1.4401)
5	Molla, Spring	AISI 316 (1.4401)
6	Boccola, Bushing	PTFE

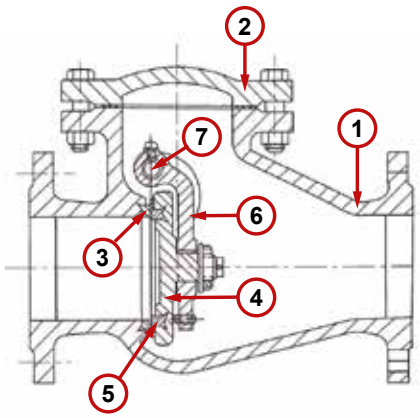
Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	-10° C. / +100° C.
Raccordabile con flange, Connectable to Flanges	EN 1092-1 PN 10 / PN 16
Scartamento, Face to Face	EN 558 SERIE 50
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 16767:2016



Dimensioni e prezzo, Size and price						
DN	**Cod.**	**€.**	**D**	**L**	**R**	**Kg.**
50	4002050	**43,88**	109	43	28,8	1,5
65	4002065	**51,62**	129	46	36,1	2
80	4002080	**75,61**	144	64	43,4	3
100	4002100	**101,39**	164	64	52,8	4
125	4002125	**136,48**	194	70	65,7	6
150	4002150	**202,07**	220	76	78,6	9
200	4002200	**339,25**	275	89	104,4	16
250	4002250	**492,34**	330	114	127	25
300	4002300	**668,55**	380	114	147	31

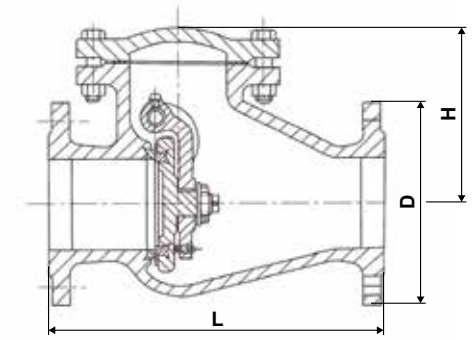
IDONEA ALL'UTILIZZO ACQUA POTABILE
SUITABLE FOR POTABLE WATER

Valvola di ritegno a battente
Swing check valve



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	EN-GJL-250 (Epoxy coated)
2	Cappello, Bonnet	EN-GJL-250 (Epoxy coated)
3	Sede del corpo, Body seat	Ottone / Brass / Laiton / Latòn
4	Battenti, Disk	EN-GJL-250
5	Sede sul battente, Seat	EPDM
6	Supporto, Support	EN-GJL-250
7	Asse supporto, Stem support	Acciaio al carbonio / Carbon Steel

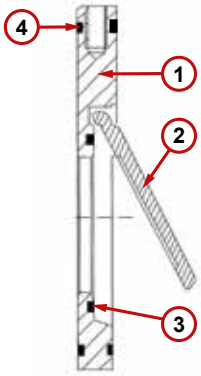
Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	-10° C. / +80° C.
Flangiatura, Flanges drilled	EN 1092-2 PN 10 / PN 16
Scartamento, Face to Face	EN 558 SERIE 48
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 16767:2016



Dimensioni e prezzo, Size and price							
DN	**Cod. PN 10**	**Cod. PN 16**	**€.**	**L**	**H**	**D**	**Kg.**
50	-	4003050	**102,30**	200	140	165	12
65	-	4003065	**156,49**	240	142	185	16
80	400308010	4003080	**198,63**	260	165	200	20
100	-	4003100	**239,27**	300	175	220	28
125	-	4003125	**370,16**	350	198	250	42
150	-	4003150	**533,40**	400	228	285	58
200	400320010	4003200	**709,41**	500	245	340	93
250	400325010	4003250	**1154,80**	600	302	395	144
300	400330010	4003300	**1649,84**	700	365	445	197

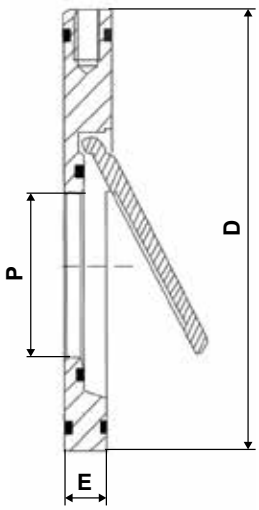
Valvola di ritegno a battente wafer

Swing check valve wafer type



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	Acciaio galvanizzato / Galvanized steel
2	Battente, Disk	Acciaio galvanizzato / Galvanized steel
3	Sede del corpo, Body seat	EPDM
4	Guarnizione, Gasket	EPDM

Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	-10° C. / +100° C.
Raccordabile con flange, Connectable to Flanges	EN 1092-1 PN 10 / PN 16
Collaudo, Test	EN 12266-1

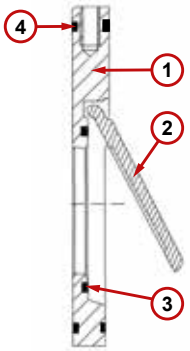


Dimensioni e prezzo, Size and price						
DN	**Cod.**	**€.**	**D**	**P**	**E**	**Kg.**
50	4004050	**30,99**	109	32	16	1
65	4004065	**39,40**	129	45	16	1,2
80	4004080	**43,30**	144	56	16	1,5
100	4004100	**61,36**	164	75	18	2
125	4004125	**89,12**	194	98	18	2,5
150	4004150	**112,36**	220	120	20	4
200	4004200	**178,95**	275	164	22	7
250	4004250	**268,07**	330	210	26	12,5
300	4004300	**360,46**	380	235	28	16,5

CE

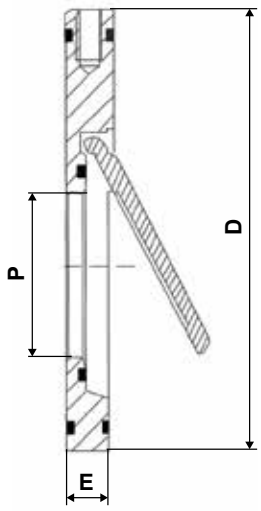
Valvola di ritegno a battente wafer

Swing check valve wafer type



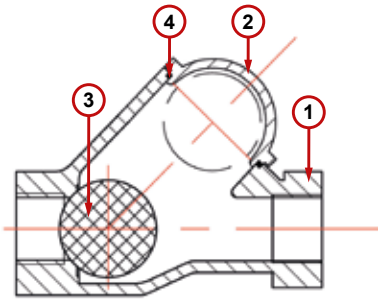
pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	AISI 316 (1.4401)
2	Battente, Disk	AISI 316 - CF8M (1.4408)
3	Sede del corpo, Body seat	FKM
4	Guarnizione, Gasket	FKM

Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	-20° C. / +135° C.
Raccordabile con flange, Connectable to Flanges	EN 1092-1 PN 10 / PN 16
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 12516-1



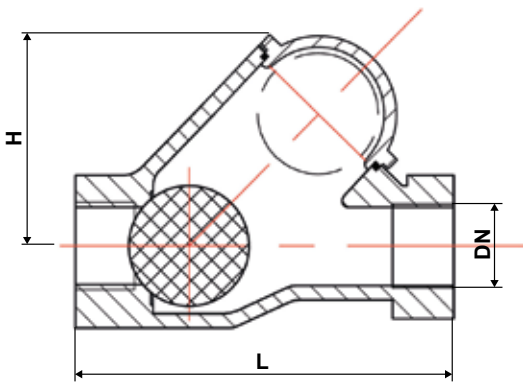
Dimensioni e prezzo, Size and price						
DN	**Cod.**	**€.**	**D**	**P**	**E**	**Kg.**
50	4005050	**85,27**	109	32	16	1
65	4005065	**108,18**	129	45	16	1,2
80	4005080	**139,71**	144	56	16	1,5
100	4005100	**188,23**	164	75	18	2,5
125	4005125	**253,15**	194	98	18	3
150	4005150	**332,54**	220	120	20	5
200	4005200	**615,89**	275	164	22	7
250	4005250	**930,74**	330	210	26	12,5
300	4005300	**1258,72**	380	235	28	16,5

Valvola di ritegno a palla filettata
Ball check ends screwed valve



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	EN-GJS-400-15 (Epoxy coated)
2	Cappello, Bonnet	EN-GJS-400-15 (Epoxy coated)
3	Palla, Ball	Acciaio + NBR / Steel + NBR
4	Guarnizione, Gasket	NBR

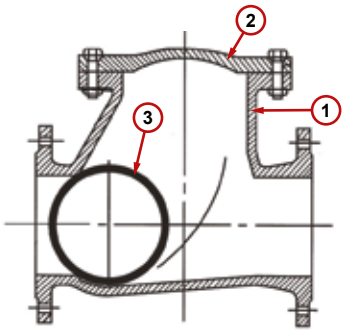
Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	0° C. / +80° C.
Filettatura, Thread	ISO 7/1 Rp
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 16767:2016



Dimensioni e prezzo, Size and price					
DN	**Cod.**	**€.**	**L**	**H**	**Kg.**
1"	4006001	**52,58**	125	75	1
11/4"	4006114	**55,20**	132	75	1,5
11/2"	4006112	**60,57**	145	85	2
2"	4006002	**75,20**	174	116	3
21/2"	4006212	**96,33**	200	116	5
3"	4006003	**128,48**	243	160	10

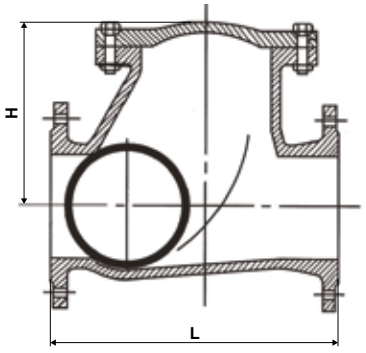
Valvola di ritegno a palla flangiata

Ball check ends flanged valve



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	EN-GJS-400-15 (Epoxy coated)
2	Cappello, Bonnet	EN-GJS-400-15 (Epoxy coated)
3	Palla, Ball	Acciaio + NBR / Steel + NBR

Pressione nominale, Nominal pressure	PN 16
Temperatura di utilizzo, Working temperature	0° C. / +80° C.
Flangiatura, Flanges drilled	EN 1092-2 PN 10 / PN 16
Scartamento, Face to Face	EN 558 serie 48
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 16767:2016

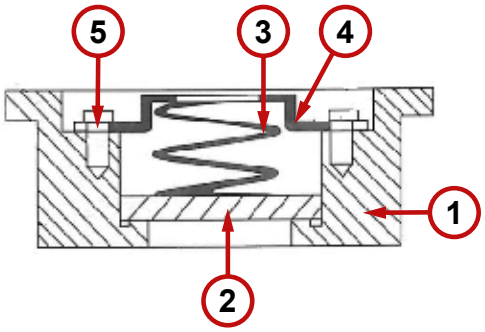


Dimensioni e prezzo, Size and price

DN	Cod. PN 10	Cod. PN 16	€.	L	H	Kg.
50	-	4007050	**105,00**	200	106	7,5
65	-	4007065	**133,79**	240	129	11
80	400708010	4007080	**164,86**	260	146	15
100	-	4007100	**218,22**	300	194	21
125	-	4007125	**331,75**	350	207	32
150	-	4007150	**445,94**	400	240	47
200	400720010	4007200	**923,32**	500	322	87
250	400725010	4007250	**1831,89**	600	388	140
300	400730010	4007300	**2354,69**	700	458	198

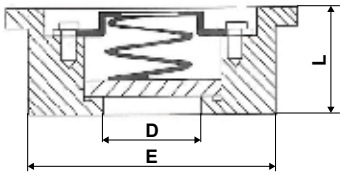
CE

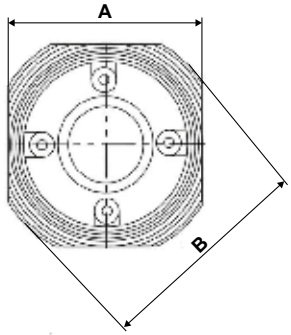
Valvola di ritegno wafer a disco
Disk check valve wafer type



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	AISI 316 - CF8M (1.4408)
2	Disco, Disk	AISI 316 - CF8M (1.4408)
3	Molla, Spring	AISI 316 (1.4401)
4	Fermo molla, Spring retainer	AISI 316 (1.4401)
5	Vite, Bolt	A193 B8

Pressione nominale, Nominal pressure	PN 40
Temperatura di utilizzo, Working temperature	-20 C. / +180° C.
Raccordabile con flange, Connectable to Flanges	EN 1092-1 PN 10 / PN 16
Scartamento, Face to Face	EN 558 serie 49
Collaudo, Test	EN 12266-1
Norma di riferimento, Reference standard	EN 12516-1

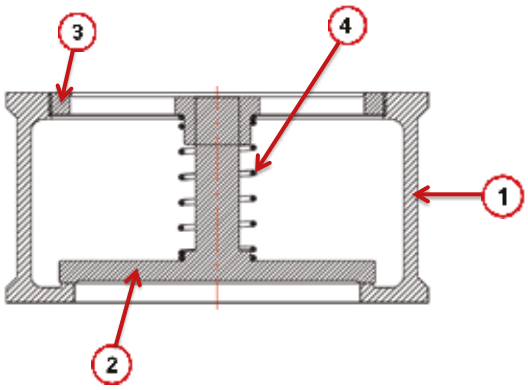




Dimensioni e prezzo, Size and price								
DN	**Cod.**	**€.**	**D**	**E**	**L**	**A**	**B**	**Kg.**
15	4009015	**16,74**	15	43	16	45	53	0,11
20	4009020	**21,42**	20	53	19	55	63	0,18
25	4009025	**31,45**	25	63	22	65	73	0,27
32	4009032	**46,86**	30	75	28	78	84	0,45
40	4009040	**58,92**	38	86	31,5	88	94	0,6
50	4009050	**89,00**	47	95	40	98	109	1
65	4009065	**137,22**	62	115	46	118	129	1,35
80	4009080	**170,66**	77	131	50	134	144	2
100	4009100	**277,06**	95	151	60	154	164	3,2

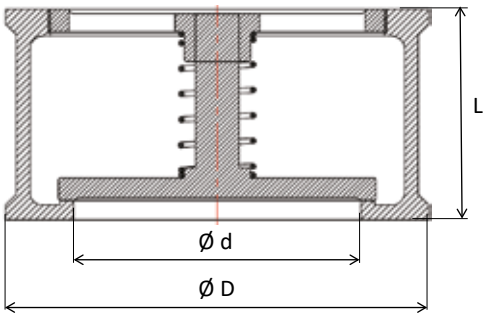
Tasso di perdita: secondo EN 12266-1 tasso G - **Leakage rate:** according to EN 12266-1 rate G

Valvola di ritegno wafer a disco
Disk check valve wafer type



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	AISI 316 - CF8M (1.4408)
2	Disco, Disk	AISI 316 - CF8M (1.4408)
3	Guida, Guide	AISI 316 - CF8M (1.4408)
4	Molla, Spring	AISI 316 (1.4401)

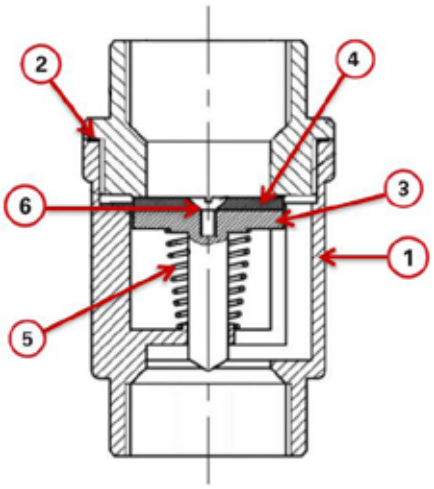
Pressione nominale, Nominal pressure	PN 40
Temperatura di utilizzo, Working temperature	-20 C. / +100° C.
Raccordabile con flange, Connectable to Flanges	EN 1092-1 PN 10 / 16 / 25 / 40 / ANSI 150
Collaudo, Test	EN 12266-1



Dimensioni e prezzo, Size and price						
DN	**Cod.**	**€.**	**Ø D**	**Ø d**	**L**	**Kg.**
125	4009125	**507,09**	187	118	90	7,40
150	4009150	**749,76**	217	140	106	10,60
200	4009200	**1356,12**	267	190	140	18,40

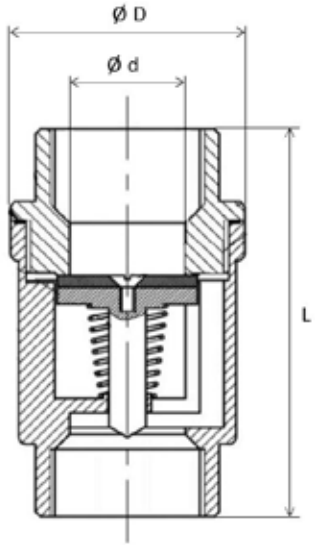
Tasso di perdita: secondo EN 12266-1 tasso G - **Leakage rate:** according to EN 12266-1 rate G

Valvola di ritegno filettata
Check valve ends screwed



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	AISI 316 - CF8M (1.4408)
2	Guarnizione corpo, Body gasket	PTFE
3	Disco, Disk	AISI 316 - CF8M (1.4408)
4	Sede di tenuta, Seal	PTFE
5	Molla, Spring	AISI 316 (1.4401)
6	Vite, Bolt	AISI 316 (1.4401)

Pressione nominale, Nominal pressure	PN 63
Temperatura di utilizzo, Working temperature	-25° C. / +100° C
Filettatura, Thread	ISO 7/1 Rp
Collaudo, Test	EN 12266-1

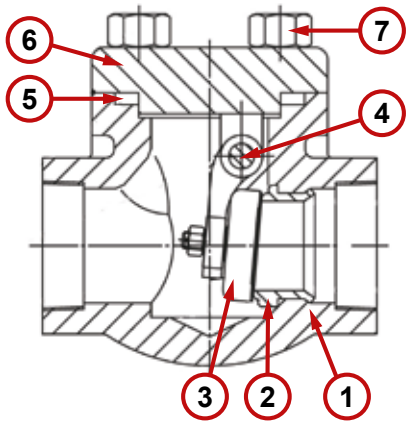


Dimensioni e prezzo, Size and price						
DN	**Cod.**	**€.**	**Ø D**	**Ø d**	**L**	**Kg.**
3/8"	4010308	**24,53**	30,5	10	53	0,15
1/2"	4010102	**25,41**	37	15	56	0,21
3/4"	4010304	**31,83**	42	20	63	0,29
1"	4010001	**41,74**	48	25	74	0,40
11/4"	4010114	**61,11**	58	30	81	0,65
11/2"	4010112	**80,90**	70	38	91	0,98
2"	4010002	**117,05**	82	47	97	1,40

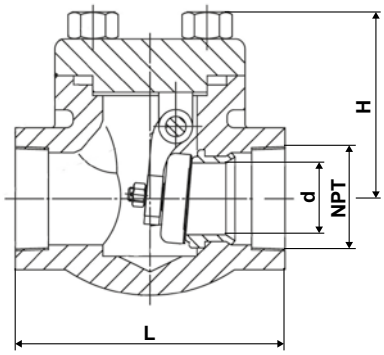
CE

Valvola di ritegno a battente classe 800 lbs
A105N / trim 8 - Passaggio ridotto

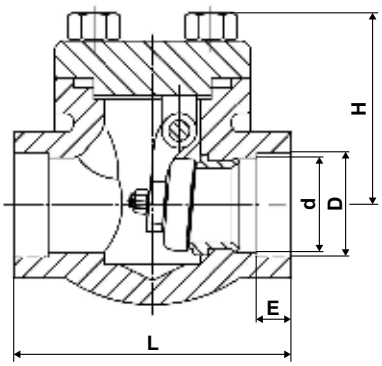
Forged swing check valve class 800 lbs - Reduced bore



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	ASTM A105N
2	Sede del corpo, Body seat	AISI 410 (1.4006) + STL
3	Battente, Disk	AISI 420 (1.4021)
4	Asse supporto, Stem support	AISI 410 (1.4006)
5	Guarnizione, Gasket	Graphite + AISI 304 (1.4350)
6	Cappello, Bonnet	ASTM A105N
7	Vite, Bolt	ASTM A193 B7M



Pressione nominale, Nominal pressure	Class 800 LBS
Temperatura di utilizzo, Working temperature	-29° C. / +425° C.
Filettatura, Thread	NPT ANSI B1.20.1
NACE Material	NACE MR-0175
Design	API 602
Pressure Test	API STD.598



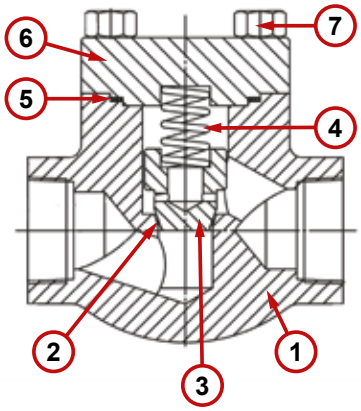
Dimensioni e prezzo, Size and price

ø	4105-F Cod.	€	4105-S Cod.	€	L	d	D	E	H	Kg.
1/2"	4105F102	**58,30**	4105S102	**58,30**	79	10,5	21,9	10	61	2,2
3/4"	4105F304	**62,72**	4105S304	**62,72**	92	13	27,3	13	61	2,4
1"	4105F001	**87,09**	4105S001	**87,09**	111	17,5	34	13	78	3,5
11/4"	4105F114	**118,81**	4105S114	**118,81**	120	23	42,8	13	84	5,7
11/2"	4105F112	**146,82**	4105S112	**146,82**	120	28	48,9	13	103	6,9
2"	4105F002	**218,45**	4105S002	**218,45**	140	37	61,4	16	118	14,5

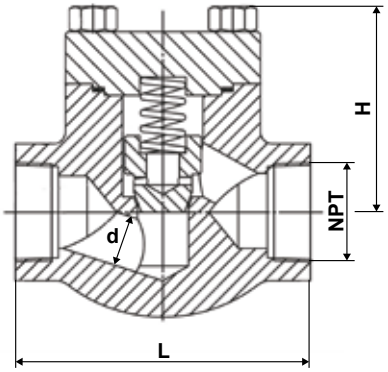
CE

Valvola di ritegno a pistone classe 800 lbs
A105N / trim 8 - Passaggio ridotto

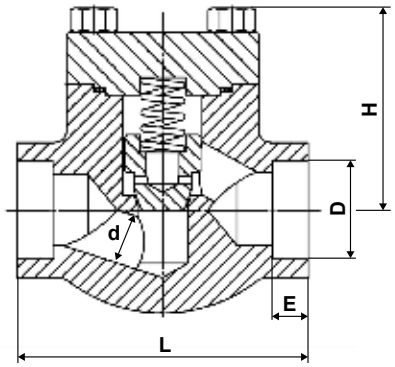
Forged piston check valve class 800 lbs - Reduced bore



pos.	Denominazione / Part Name	Materiale / Materials
1	Corpo, Body	ASTM A105N
2	Sede del corpo, Body seat	STELLITE
3	Disco, Disk	AISI 420 (1.4021)
4	Molla, Spring	AISI 304 (1.4301)
5	Guarnizione, Gasket	Graphite + AISI 304 (1.4350)
6	Cappello, Bonnet	ASTM A105N
7	Vite, Bolt	ASTM A193 B7M



Pressione nominale, Nominal pressure	Class 800 LBS
Temperatura di utilizzo, Working temperature	-29° C. / +425° C.
Filettatura, Thread	NPT ANSI B1.20.1
NACE Material	NACE MR-0175
Design	API 602
Pressure Test	API STD.598



Dimensioni e prezzo, Size and price

ø	4205-F Cod.	€	4205-S Cod.	€	L	d	D	E	H	Kg.
1/2"	4205F102	**50,17**	4205S102	**50,17**	79	10,5	21,9	10	61	2,2
3/4"	4205F304	**53,89**	4205S304	**53,89**	92	13	27,3	13	61	2,4
1"	4205F001	**78,95**	4205S001	**78,95**	111	17,5	34	13	78	3,5
11/4"	4205F114	**110,68**	4205S114	**110,68**	120	23	42,8	13	84	5,7
11/2"	4205F112	**148,33**	4205S112	**148,33**	152	28	48,9	13	103	6,9
2"	4205F002	**223,56**	4205S002	**223,56**	172	37	61,4	16	118	14,5

VALVOLA DI RITEGNO EUROPA® FILETTATA F/F
Threaded EUROPA® check valve F/F

Mod.100

Corpo/*Body*	Ottone/*Brass*
Tenuta/*Plate*	AISI 304
Sede/*Seat*	NBR
Pressione Nominale *Nominal pressure*	3/8" - 1": PN 25 11/4" - 2": PN 18 21/2" - 4": PN 12
Temperatura di utilizzo *Working temperature*	-20° C. / +100° C.
Filettatura *Thread*	ISO 228

DN	Codice	€.
3/8"	I100308	11,87
1/2"	I100102	12,21
3/4"	I100304	16,51
1"	I100001	22,60
11/4"	I100114	35,47
11/2"	I100112	48,01
2"	I100002	73,75
21/2"	I100212	170,77
3"	I100003	253,91
4"	I100004	424,76

VALVOLA DI RITEGNO A CLAPET FILETTATA F/F
Threaded swing check valve F/F

Mod.130M

Corpo/*Body*	Ottone/*Brass*
Battente/*Plate*	Ottone/*Brass*
Sede/*Seat*	Ottone/*Brass*
Pressione Nominale *Nominal pressure*	3/8" - 3/4": PN 16 1": PN 12 11/4" - 2": PN 10 21/2" - 4": PN 8
Temperatura di utilizzo *Working temperature*	0° C. / +90° C.
Filettatura *Thread*	ISO 228

DN	Codice	€.
3/8"	I130M308	12,21
1/2"	I130M102	11,24
3/4"	I130M304	15,48
1"	I130M001	23,00
11/4"	I130M114	34,21
11/2"	I130M112	44,59
2"	I130M002	62,55
21/2"	I130M212	127,88
3"	I130M003	176,37
4"	I130M004	318,28

a richiesta
on request

Valvole di ritegno
e Valvole di fondo
Check valves and
Foot valves

A DOPPIO BATTENTE
DUAL PLATE

Acciaio al carbonio | Acciaio Inox Carbon steel | Stainless steel
DN 50 ÷ DN 300
PN 40
Flangiatura | Flanges drilled EN 1092-1 PN 10 ÷ 40 ANSI 150 - 300

A BATTENTE | SWING CHECK

Acciaio al carbonio | Acciaio Inox Carbon steel | Stainless steel
PN 25 DN 50 ÷ DN 600 PN 40 DN 50 ÷ DN 400 PN 100 DN 50 ÷ DN 300
-10° C./+450° C.
Flangiatura | Flanges drilled EN 1092-2 PN 16 ÷ PN 100

A BATTENTE | SWING CHECK

A 216 WCB | AISI 316
Ø 2" ÷ 36"
ANSI 150 - 300 - 600
-29° C./+425° C.
Flangiatura | Flanges drilled ANSI 150 - 300 - 600 RF

A DISCO WAFER
DISK CHECK WAFER

Ottone | Acciaio al carbonio | Acciaio inox Brass | Carbon steel | Stainless steel
DN 15 ÷ DN 200
PN 16 - PN 40
Flangiatura | Flanges drilled EN 1092-1 PN 6 ÷ 40 ANSI 150 - 300

A DISCO WAFER
DISK CHECK WAFER

PTFE
DN 15 ÷ DN 100
PN 6
0° C./+180° C.
Flangiatura | Flanges drilled EN 1092-1 PN 10 - 16

A FLUSSO AVVIATO
STREAMLINED FLOW CHECK

Ghisa grigia | Ghisa sferoidale Cast iron | Ductile iron
DN 15 ÷ DN 300
PN 16 - 25
-10° C./+300° C. -10° C./+350° C.
Flangiatura | Flanges drilled EN 1092-2 PN 16 - 25

A FLUSSO AVVIATO
STREAMLINED FLOW CHECK

Acciaio al carbonio | Acciaio Inox Carbon steel | Stainless steel
DN 15 ÷ DN 250
PN 40
-10° C./+400° C.
Flangiatura | Flanges drilled EN 1092-2 PN 40

DA BARRA
BARSTOCK CHECK

A105 / LF2 / AISI 316L
Ø 1/4" ÷ 2"
SERIE 800 - 1500 - 3000 - 6000
-29° C. (LF2 -46° C.) / +200° C.
Filettatura | Thread GAS/BSP | NPT Saldare di tasca/Socket weld

A BATTENTE
SWING CHECK

Bronzo | Bronze
DN 15 ÷ DN 100
PN 16
-10° C./+90° C.
Flangiatura | Flanges drilled EN 1092-2 PN 6 ÷ 16 | ANSI 150

A PISTONE
PISTON CHECK

Bronzo | Bronze
Ø 1/4" ÷ 4"
PN 16
-10° C./+180° C.
Filettatura | Thread GAS/BSP

A PISTONE
PISTON CHECK

Bronzo | Bronze
DN 15 ÷ DN 100
PN 16
-10° C./+180° C.
Flangiatura | Flanges drilled EN 1092-2 PN 6 ÷ 16 | ANSI 150

FORGED STEEL CHECK

A105 | AISI 316
Ø 1/2" ÷ 2"
CLASS 800 ÷ 2500
-29° C./+425° C.
Filettatura | Thread NPT - GAS/BSP
Saldare di tasca | Socket weld
Flangiatura | Flanges drilled ANSI 150 ÷ 2500 RF

MOD.4001 + MOD.5003
VALVOLA DI FONDO | FOOT VALVE

Ghisa grigia | Cast iron (4001) Acciaio zincato | Galvanized steel (5003)
DN 50 ÷ DN 250
PN 16
-10° C./+80° C.
Flangiatura | Flanges drilled EN 1092-2 PN 10 - 16

VALVOLA DI FONDO
FOOT VALVE

Ghisa grigia + Acciaio zincato Cast iron + Galvanized steel
DN 40 ÷ DN 300
PN 16
-10° C./+80° C.
Flangiatura | Flanges drilled EN 1092-2 PN 16

VALVOLA DI FONDO
FOOT VALVE

AISI 316
DN 50 ÷ DN 200
PN 16
-30° C./+180° C.
Flangiatura | Flanges drilled EN 1092-2 PN 16

TIPO EUROPA®
VALVOLA DI FONDO | FOOT VALVE

Ottone + Polimero + AISI 304 Brass + Polymer + AISI 304
Ø 3/8" ÷ 4"
PN 25 3/8" ÷ 1" | PN 18 11/4" ÷ 2" PN 12 21/2" ÷ 4"
-20° C./+100° C.
Filettatura | Thread GAS/BSP

VALVOLA DI FONDO
FOOT VALVE

Ottone | Brass
Ø 1/2" ÷ 4"
PN 10 1/2" ÷ 1" | PN 8 11/4" ÷ 2" PN 6 21/2" ÷ 4"
0° C./+90° C.
Filettatura | Thread GAS/BSP

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industriale