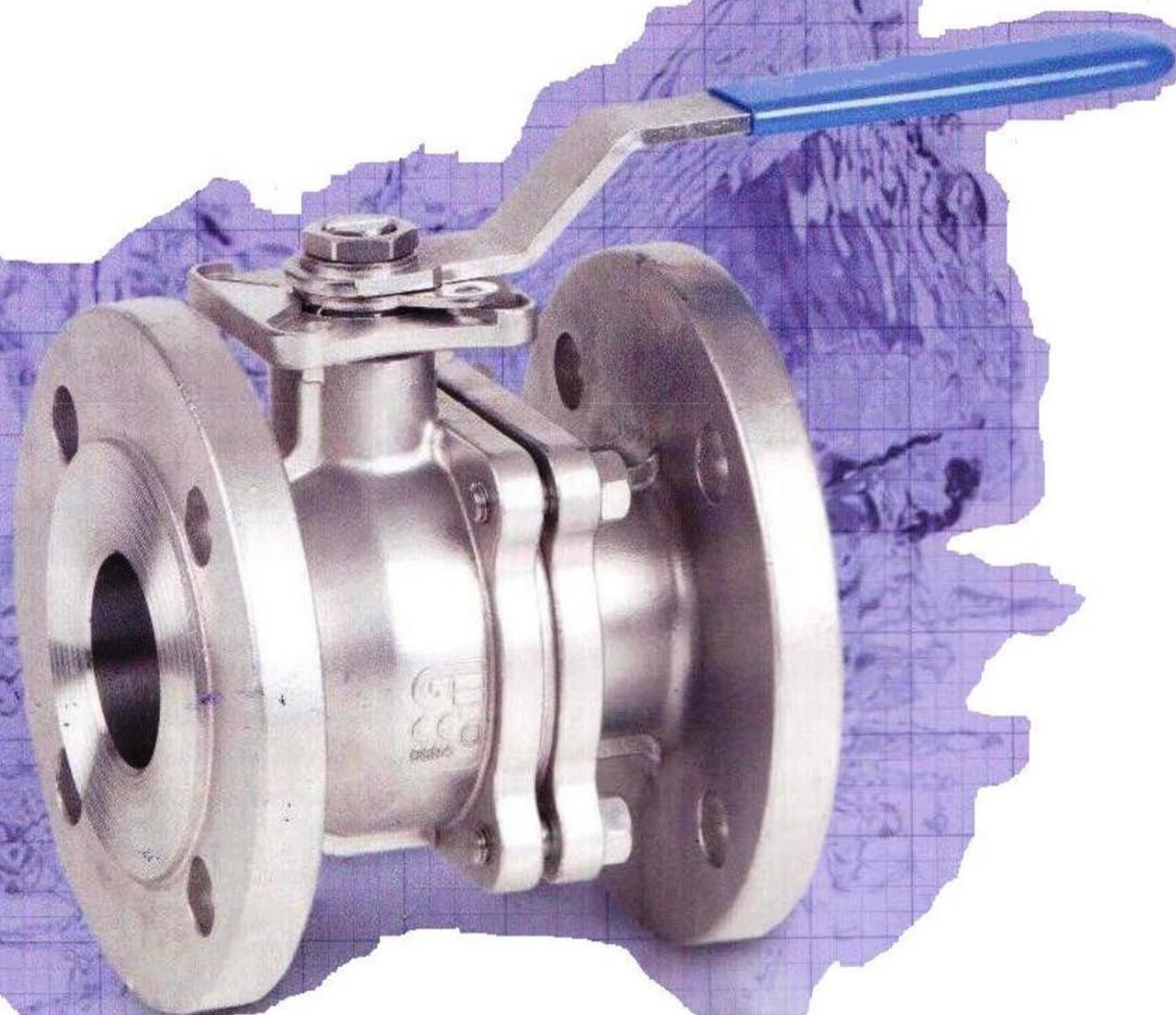


ANTONIO MACHUCA S.L.

Valvulería Industrial



2001



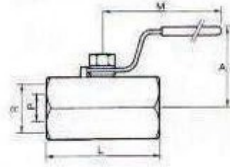
Válvula esfera paso reducido 1 pieza

Const.: AISI 316 pulido. FV. Asientos PTFE+FV Extremos: Rosca gas DIN 2999. PN-63 Temp. -25°C + 180 °C Mando manual por palanca.

1 pc reduced bore ball valve

Constr.: polished AISI 316 Seats PTFE+GF Gas threaded Ends DIN 2999. PN-63 Temp. -25°C + 180°C. Manually operated by handle.

MED.	P	A	L	M
1/4"	5	30	40	65
3/8"	7	30	45	82
1/2"	9	55	57	108



2001 02	1/4"	0,070	40-320
2001 03	3/8"	0,108	20-160
2001 04	1/2"	0,210	15-120

2002
2004



Válvula esfera paso reducido 1 pieza

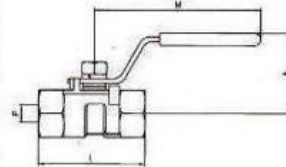
Art. 2002 rosca NPT ANSI b2.1
Art. 2004 rosca gas DIN 2999

Const. acero inox CF8M (316) Microfusión. Asientos: PTFE + FV PN.63 temp. -25°C + 180°C. Mando manual por palanca.

1 pc reduced bore ball valve
Art.2002. NPT ANSI b2.1 thread
Art.2004. gas DIN 2999 thread

Const. stainless steel CF8M (316). Investment. Casting. Seats: PTFE + GF PN-63 temp. -25°C + 180°C Manually operated by handle.

MED.	P	A	L	M
1/4"	4.6	32	39	60
3/8"	6.8	36	44	80
1/2"	9.2	42	56	87
3/4"	12.5	45	59	87
1"	15	50	69	105
1 1/4"	20	54	77	105
1 1/2"	25	70	81	125
2"	32	78	97	140



2002 02	1/4"	0,065	40-320
2002 03	3/8"	0,102	20-160
2002 04	1/2"	0,165	15-120
2002 05	3/4"	0,262	10-80
2002 06	1"	0,415	5-40
2002 07	1 1/4"	0,750	6-36
2002 08	1 1/2"	0,820	4-24
2002 09	2"	1,308	2-12

2004 02	1/4"	0,065	40-320
2004 03	3/8"	0,102	20-160
2004 04	1/2"	0,165	15-120
2004 05	3/4"	0,262	10-80
2004 06	1"	0,415	5-40

2005



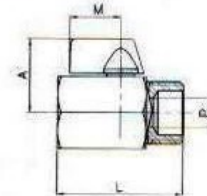
Válvula esfera paso reducido 1 pieza M-H

Const: AISI 316 pulido - asientos PTFE + FV Extremos rosca gas M - H DIN 2999. PN-63. Temp. -25°C + 180°C. Mando manual.

1pc reduced bore ball valve M-F

Const. polished stainless steel AISI 316. M-F gas threaded ends. DIN 2999 PN-63. Seats: PTFE+GF. Temp. -25°C +180°C manually operated.

MED.	P	A	L	M
1/4"	8	26	40	22
3/8"	8	26	40	22
1/2"	10	28	46	22
3/4"	12	34	54	22
1"	15	34	65	22



2005 02	1/4"	0,083	20-240
2005 03	3/8"	0,082	20-240
2005 04	1/2"	0,116	20-240
2005 05	3/4"	0,193	15-180
2005 06	1"	0,280	10-140

2006



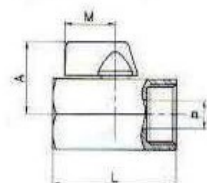
Válvula esfera paso reducido 1 pieza H-H

Cons: AISI 316 pulido - Asientos PTFE + FV. Extremos rosca gas DIN 2999. PN- 63 temp -25°C + 180°C. Mando manual.

1pc reduced bore ball valve F-F

Const. polished stainless steel AISI 316. Seats: PTFE+GF F-F gas DIN 2999 threaded ends. Temp. -25°C +180°C. Manually operated.

MED.	P	A	L	M
1/4"	8	26	42	22
3/8"	8	26	42	22
1/2"	10	28	46	22
3/4"	12	34	54	22
1"	15	34	65	22



2006 02	1/4"	0,104	20-240
2006 03	3/8"	0,092	20-240
2006 04	1/2"	0,125	20-240
2006 05	3/4"	0,211	15-180
2006 06	1"	0,300	10-140

2008



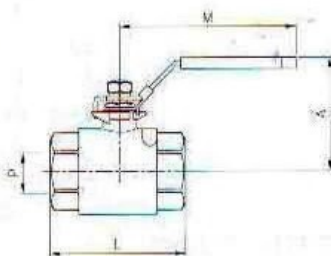
Válvula esfera paso standard 2 piezas

Const.: acero inox. CF8M (316) microfusión. Juntas y asientos: PTFE+GF extremos: rosca gas DIN 2999. PN - 140 temp. -25°C + 180°C. Mando manual por palanca con sistema de bloqueo.

2 pcs standard bore ball valve

Const: stainless steel CF8M (316). Investment casting. Seats and seals: PTFE +GF ends: gas threaded ends DIN 2999. PN140. Temp -25°C +180°C. Manually operated by handle with locking system

MED.	P	A	L	M
1/4"	9,5	42	54	105
3/8"	9,5	42	54	105
1/2"	13	46	61,5	105
3/4"	17,5	53	72	147
1"	22	58	84,5	147
1 1/4"	25,4	68	92	193
1 1/2"	31,7	72	103	193
2"	38,1	78	118	193



2008 02	1/4"	0,240	12-72
2008 03	3/8"	0,220	12-72
2008 04	1/2"	0,320	12-72
2008 05	3/4"	0,600	5-30
2008 06	1"	0,890	5-30
2008 07	1 1/4"	1,210	2-12
2008 08	1 1/2"	1,750	6-12
2008 09	2"	2,680	4-8

2009



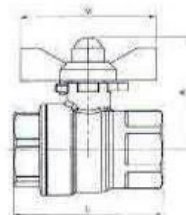
Válvula esfera paso total 2 piezas

Const.: acero inox. CF8M (316) microfusión. Extremos H-H rosca gas DIN 2999. Asientos PTFE + 15% FV tórica eje viton. PN 63. Temp. -25°C + 180°C. Mando manual por palomilla.

2pcs full bore ball valve

Const: stainless steel CF8M (316). Investment casting. Gas threaded F-F DIN 2999. Seats: PTFE + 15% GF. O'ring stem: viton. PN 63. temp. -25°C. +180°C. Butterfly handle.

MED.	A	L	M
1/4"	32	45	50
3/8"	32	45	50
1/2"	41	55	50



2009 02	1/4"	0,192	15-180
2009 03	3/8"	0,180	15-180
2009 04	1/2"	0,222	10-120

2010



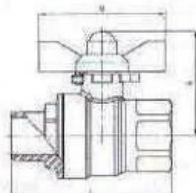
Válvula esfera paso total 2 piezas

Const.: acero inox. CF8M (316) microfusión. Extremos M-H rosca gas DIN 2999. Asientos PTFE + 15% FV tórica eje vitón. PN 63. Temp. -25°C. + 180°C. Mando manual por palomilla.

2 pcs full bore ball valve

Const: stainless steel CF8M (316). Investment casting. Gas threaded M-F DIN 2999. Seats: PTFE + 15% GF O'ring stem: viton. PN 63. Temp. -25°C. +180°C. Butterfly handle.

MED.	A	L	M
1/4"	32	56	50
3/8"	32	56	50
1/2"	41	63	50



2010 02	1/4"	0,200	10-120
2010 03	3/8"	0,183	10-120
2010 04	1/2"	0,224	8-96

2014
2014N



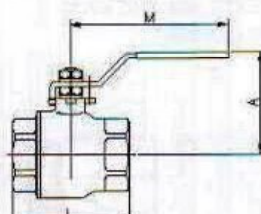
Válvula esfera paso total 2 piezas

Rosca BSP, también disponible con rosca NPT (2014N) Const. acero inox. CF8M (316) microfusión. Extremos: rosca gas DIN 2999. Juntas y asiento: PTFE + 15% FV tórica eje vitón PN 63, Temp: -25°C + 180°C. Mando manual por palanca con sistema de bloqueo

2 pcs full bore ball valve (2014NPT thread)

BSP thread, also available with NPT thread (2014N) Const. stainless steel. CF8M (316) investment casting. Gas threaded ends DIN 2999. Seats and seals: PTFE + 15% GF o'ring stem: viton. PN 63. Temp. -25°C +180°C. Manually operated by handle with locking system.

MED.	A	L	M
1/4"	50	104	50
3/8"	50	104	50
1/2"	51,5	104	55
3/4"	62	122	70
1"	65	122	83
1 1/4"	82	180	91
1 1/2"	88	205	103



2014 02	1/4"	0,207	15-90
2014 03	3/8"	0,195	15-90
2014 04	1/2"	0,237	12-72
2014 05	3/4"	0,442	8-48
2014 06	1"	0,606	4-24
2014 07	1 1/4"	1,084	2-12
2014 08	1 1/2"	1,544	6-12
2014 09	2"	2,648	3-6
2014 10	2 1/2"	4,707	1-4
2014 11	3"	7,288	1-2

Precios rosca NPT a consultar / NPT thread prices on req

2015



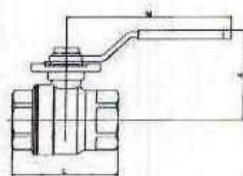
Válvula esfera paso total 2 piezas

Const.: AISI 316 - juntas y asientos PTFE+FV extremos: rosca gas DIN - 2999 tórica eje: vitón. PN - 63 Temp. -25°C + 180°C. Mando manual por palanca. Montaje directo s/ISO 5211 con sistema de bloqueo.

2 pcs full bore ball valve

Const. AISI 316 seats and seals PTFE + GF gas threaded ends DIN 2999. O'ring stem: viton. PN-63. Temp. -25°C+180°C. Manually operated by handle. Direct assembling ISO 5211 with locking system.

MED.	A	M	L	ISO 5211
1/4"	62	112	50	F-03
3/8"	62	112	50	F-03
1/2"	63	112	55	F-04
3/4"	70	138	70	F-04/F-05
1"	70	160	83	F-04/F-05
1 1/4"	88	160	91	F-05/ F-07
1 1/2"	94	205	103	F-05/ F-07
2"	100	205	120	F-05/ F-07



2015 02	1/4"	0,296	10-60
2015 03	3/8"	0,296	10-60
2015 04	1/2"	0,350	8-48
2015 05	3/4"	0,560	4-24
2015 06	1"	0,780	4-24
2015 07	1 1/4"	1,355	2-12
2015 08	1 1/2"	1,906	2-6
2015 09	2"	2,830	1-6

2025
2025N



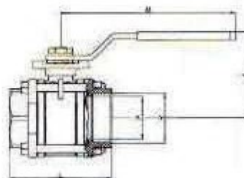
Válvula esfera paso total 3 piezas

Rosca BSP, también disponible con rosca NPT (2025N) Const.: acero inox. CF8M (316) microfusión rosca gas DIN 2999. Juntas y asientos PTFE+15% FV tórica eje: vitón. PN - 63. Temp. -25°C + 180°C. Montaje directo s/ISO 5211 con sistema de bloqueo.

3 pcs full bore ball valve (2025n npt thread)

BSP thread, also available with NPT thread (2025N) Const.: stainless steel CF8M (316) investment casting gas thread DIN 2999. Seats and seats: PTFE +15% GF o'ring stem: viton PN-63. Temp. -25°C +180°C. Direct assembling ISO 5211 with locking system.

MED.	P	L	A	M	ISO 5211
1/4"	11	47,6	60	112	F-03
3/8"	12,7	47,6	60	112	F-03
1/2"	15	56	60	112	F-03/ F-04
3/4"	20	73	70	138	F-04/ F-05
1"	25	82	70	138	F-04/ F-05
1 1/4"	32	91	88	160	F-05/ F-07
1 1/2"	40	104	94	205	F-05/ F-07
2"	50	120	100	205	F-05/ F-07
2 1/2"	65	155	150	330	F-07/ F-10
3"	80	182	165	330	F-07/ F-10
4"	100	220	175	340	F-07/ F-10



2025 02	1/4"	0,390	10-60
2025 03	3/8"	0,380	10-60
2025 04	1/2"	0,440	8-48
2025 05	3/4"	0,820	4-24
2025 06	1"	1,020	4-24
2025 07	1 1/4"	1,790	2-12
2025 08	1 1/2"	2,460	4-8
2025 09	2"	3,470	2-4
2025 10	2 1/2"	8,500	1-4
2025 11	3"	12,400	1-2
2025 12	4"	19,650	1-1

Precios rosca NPT a consultar / NPT thread prices on request

2026



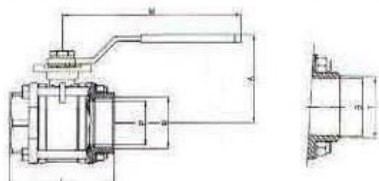
Válvula esfera paso total 3 piezas. Butt weld ANSI B 16.25

Const.: acero inox. CF8M (316) microfusión. Juntas y asientos PTFE+15% FV tórica eje: vitón PN - 63. Temp. -25°C + 180°C. Mando manual por palanca. Montaje directo S/ ISO 5211 con sistema de bloqueo.

3 pcs full bore ball valve. butt weld ANSI B 16.25

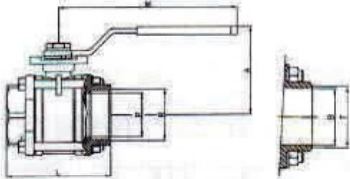
Const.: stainless steel CF8M (316) investment casting gas thread DIN 2999. Seats and seats: PTFE +15% GF o'ring stem: viton PN-63. Temp. -25°C +180°C. Manually operated by handle. Direct assembling ISO 5211 with locking system.

MED.	P	L	A	M	T	B	ISO 5211
1/4"	11	47,6	60	112	13	11	F-03
3/8"	12,7	47,6	60	112	14,7	12,7	F-03
1/2"	15	56	60	112	17	15	F-03/ F-04
3/4"	20	73	70	138	22	20	F-04/ F-05
1"	25	82	70	138	28	25	F-04/ F-05
1 1/4"	32	91	88	160	35	32	F-05/ F-07
1 1/2"	40	104	94	205	43	40	F-05/ F-07
2"	50	120	100	205	54	50	F-05/ F-07
2 1/2"	65	155	150	330	69	65	F-07/ F-10
3"	80	182	165	330	87	80	F-07/ F-10
4"	100	230	175	340	105	100	F-07/ F-10



2026 02	1/4"	0,374	10-60
2026 03	3/8"	0,375	10-60
2026 04	1/2"	0,440	8-48
2026 05	3/4"	0,808	4-24
2026 06	1"	0,994	4-24
2026 07	1 1/4"	1,775	2-12
2026 08	1 1/2"	2,347	4-8
2026 09	2"	3,280	2-4
2026 10	2 1/2"	8,550	1-4
2026 11	3"	11,859	1-2
2026 12	4"	20,300	1-1

2027



Válvula esfera paso total 3 piezas socket weld ANSI B 16.11

Const.: acero inox. CF8M (316) microfusión. Juntas y asientos PTFE+15% FV tórica eje: vitón. PN - 63.
Temp. -25°C + 180°C mando manual por palanca. Montaje directo s/DIN 5211 con sistema de bloqueo.

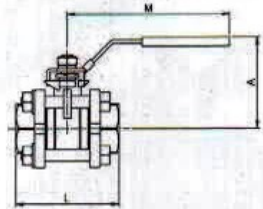
3 pcs full bore ball valve socket weld ANSI B 16.11

Const.: stainless steel CF8M (316) investment casting.
Seats and seals: PTFE +15% GF o'ring stem: viton. PN-63.
Temp. -25°C +180°C. Manually operated by handle. Direct assembling ISO 5211 with locking system.

MED.	P	L	A	M	S	K	ISO 5211
1/4"	11	47,6	60	112	14,1	10	F-03
3/8"	12,7	47,6	60	112	17,6	10	F-03
1/2"	15	56	60	112	21,7	10	F-03/ F-04
3/4"	20	73	70	138	27,1	14	F-04/ F-05
1"	25	82	70	138	33,8	14	F-04/ F-05
1 1/4"	32	91	88	160	42,6	15	F-05/ F-07
1 1/2"	40	104	94	205	48,7	15	F-05/ F-07
2"	50	120	100	205	61,1	19	F-05/ F-07
2 1/2"	65	155	150	330	73,8	21	F-07/ F-10
3"	80	182	165	330	89,8	24	F-07/ F-10
4"	100	220	175	340	115,5	35	F-07/ F-10

2027 02	1/4"	0,380	10-60
2027 03	3/8"	0,387	10-60
2027 04	1/2"	0,440	8-48
2027 05	3/4"	0,820	4-24
2027 06	1"	1,020	4-24
2027 07	1 1/4"	1,780	2-12
2027 08	1 1/2"	2,470	4-8
2027 09	2"	3,400	2-4
2027 10	2 1/2"	8,800	1-4
2027 11	3"	12,350	1-2
2027 12	4"	19,600	1-2

2034
2034N



Válvula esfera paso total 3 piezas.

Rosca BSP, también disponible con rosca NPT (2034N)
Const. acero al carbono "WCB" (microfusión).
Esfera y eje inoxidable 316. Rosca gas DIN 2999.
Asientos PTFE + 15% FV. 1000 wog. Temp. -25°C + 180°C.
Mando manual por palanca con sistema de bloqueo.

3 pcs full bore ball valve

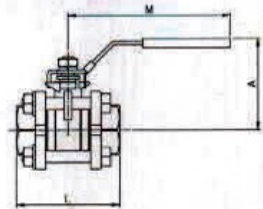
BSP thread, also available with NPT thread (2034N)
Const. carbon steel "WCB" (investment casting).
Ball and stem: stainless steel 316. Gas thread DIN 2999.
Seats: PTFE + 15% GF. 1000 wog. Temp. -25°C + 180 °C.
Manually operated by handle with locking system.

MED.	A	L	M
1/4"	48	50	100
3/8"	48	50	100
1/2"	50	61	103
3/4"	60	70	127
1"	64	80	127
1 1/4"	79	93	154
1 1/2"	85	102	154
2"	87	124	192
2 1/2"	117	156	244
3"	125	179	244
4"	173	218	330

2034 02	1/4"	0,290	-
2034 03	3/8"	0,290	-
2034 04	1/2"	0,390	-
2034 05	3/4"	0,610	-
2034 06	1"	0,860	-
2034 07	1 1/4"	1,370	-
2034 08	1 1/2"	2,040	-
2034 09	2"	3,740	-
2034 10	2 1/2"	6,440	-
2034 11	3"	10,200	-
2034 12	4"	20,490	-

Precios rosca NPT a consultar / NPT thread prices on request

2034S



Válvula esfera paso total 3 piezas socket weld ANSI B 16.11

Const. acero al carbono "WCB" (microfusión).
Esfera y eje inoxidable 316.
Asientos PTFE + 15% FV. 1000 wog. Temp. -25 °C + 180 °C.
Mando manual por palanca con sistema de bloqueo.

3 pcs full bore ball valve socket weld ANSI B 16.11

Const. carbon steel "WCB" (investment casting).
Ball and stem: stainless steel 316.
Seats: PTFE + 15% GF. 1000 wog. Temp. -25 °C + 180 °C.
Manually operated by handle with locking system.

MED.	A	L	M	S	K
1/4"	48	50	100	14,1	10
3/8"	48	50	100	17,6	10
1/2"	50	61	103	21,7	10
3/4"	60	70	127	27,1	14
1"	64	80	127	33,8	14
1 1/4"	79	93	154	42,6	15
1 1/2"	85	102	154	48,7	15
2"	87	124	192	61,1	19
2 1/2"	117	156	244	73,8	21
3"	125	179	244	89,8	24
4"	173	218	330	115,5	25

2034S 02	1/4"	0,290	-
2034S 03	3/8"	0,290	-
2034S 04	1/2"	0,390	-
2034S 05	3/4"	0,610	-
2034S 06	1"	0,860	-
2034S 07	1 1/4"	1,370	-
2034S 08	1 1/2"	2,040	-
2034S 09	2"	3,740	-
2034S 10	2 1/2"	6,440	-
2034S 11	3"	10,200	-
2034S 12	4"	20,490	-

2035

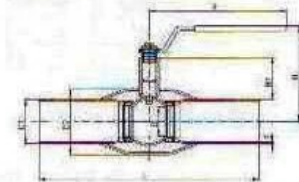
**Válvula esfera paso reducido 1 pieza**

Const. cuerpo: acero carbono DIN st- 37.
Extremos prolongados para soldar.
Esfera INOX. 304. Eje INOX. 303. Asientos PTFE + grafito.
Tóricas eje viton. PN 25/40. Temp. -30°C + 200°C.
Mando manual por palanca hasta 6". Reductor manual >6".

1 pc reduce bore ball valve. District heating

Const. carbon steel DIN st-37. Extended butt weld ends.
Ball: SS 304. stem: ss 303. Seats: PTFE + graphite.
O'rings stem: viton. PN 25/40. Temp. -30°C + 200°C.
Manually operated by handle, until 6". Gear operator >6".

DN	PN	D	D1	D2	S	H	H1	A	L
15	40	10	21,3	38	2,5	100	40	120	230
20	40	15	26,9	42	3	100	40	120	230
25	40	20	33,7	51	3	105	40	150	230
32	40	25	42,4	57	3	105	40	150	260
40	40	32	48,3	76,1	3	125	59	190	260
50	40	40	60,3	88,9	3	130	59	190	300
65	25	50	76,1	108	3	180	71	260	300
80	25	65	88,9	127	4	190	77	260	300
100	25	80	114,3	153	4	220	92	280	325
125	25	100	139,7	177,8	4,5	245	95	420	325
150	25	125	168,3	219,1	6	265	103	550	350
200	25	160	219,1	273	6	***	***	***	400
250	25	200	273	355,6	7	***	***	***	530
300	25	250	323,9	457	8	***	***	***	550



2035 04	1/2"	0,800
2035 05	3/4"	1,000
2035 06	1"	1,300
2035 07	1 1/4"	1,600
2035 08	1 1/2"	2,200
2035 09	2"	3,000
2035 10	2 1/2"	4,800
2035 11	3"	6,700
2035 12	4"	9,900
2035 13	5"	14,500
2035 14	6"	23,500
2035 16	8"	56,000
2035 18	10"	100,000
2035 20	12"	152,000

2036

**Válvula esfera paso reducido 1 pieza. Extremos bridados DIN**

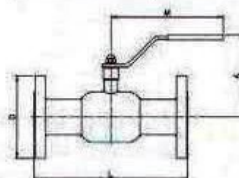
PN 40/16 (según medida). Const. acero carbono DIN ST-37.
Esfera INOX. 304. Eje INOX. 303. Asientos PTFE + grafito.
Tóricas eje viton. Temp. -30°C +200°C.
Mando manual por palanca hasta 6". Reductor manual >6".
Distancia entre bridas según DIN 3202.

1 pcs reduce bore ball valve. DIN flanged ends.

PN 40/16 (depending on the size). Const. carbon steel DIN st-37.
Ball: SS 304. Stem: SS 303. Seats: PTFE + graphite.
O'rings stem: viton. Temp. -30°C + 200°C.
Manually operated by handle until 6". Gear operator >6".
Face to face according to: DIN 3202.

DN	PN	D	L	A	M
15	40	95	130	100	120
20	40	105	150	100	120
25	40	115	160	105	160
32	40	140	180	105	160
40	40	150	200	125	190
50	40	165	230	130	190
65	16	185	270	180	280
80	16	200	280	190	280
100	16	220	300	220	280
125	16	250	325	245	420
150	16	285	350	265	420
200	16	340	400	***	***
250	16	405	500	***	***
300	16	460	500	***	***

2036 04	1/2"	1,800
2036 05	3/4"	2,400
2036 06	1"	2,900
2036 07	1 1/4"	4,700
2036 08	1 1/2"	5,400
2036 09	2"	7,200
2036 10	2 1/2"	9,700
2036 11	3"	11,500
2036 12	4"	16,800
2036 13	5"	23,600
2036 14	6"	32,000
2036 16	8"	58,000
2036 18	10"	99,000
2036 20	12"	138,000



2040

2041

**Válvula esfera 3 vías paso reducido****Art. 2040: Paso tipo L / Art. 2041: Paso tipo T**

Const.: AISI 316 - Cuatro asientos PTFE+FV juntas cuerpo y eje:
PTFE tórica eje: Vitón. Extremos: Rosca gas DIN 2999.
PN 63. Temp. -30°C +180°C. Montaje directo S/ISO 5211.
Mando manual por palanca con sistema de bloqueo.

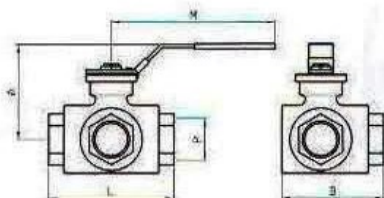
3 Ways ball valve reduced bore**Art. 2040: "L" bore / Art. 2041: "T" bore**

Const.: AISI 316; Four seats PTFE + GF body and stem seats:
PTFE o'ring stem: Viton. Gas threaded ends DIN 2999. PN 63.
Temp. -30°C +180°C. Direct assembling S/ISO 5211.
Manually operated by handle with locking system.

ART.	PASO TIPO	1	2	3	4
2040	L				
2041	T				

MED.	P	A	B	L	M
1/4"	9,5	66	57,5	75	130
3/8"	11	66	57,5	75	130
1/2"	12	66	57,5	75	130
3/4"	15	72	65,5	85	161
1"	20	77	79	100	161
1 1/4"	25	92	97	122	203
1 1/2"	30	100	105	135	203

2040		
2041 02	1/4"	0,700
2041 03	3/8"	0,670
2041 04	1/2"	0,630
2041 05	3/4"	0,950
2041 06	1"	1,400
2041 07	1 1/4"	2,900
2041 08	1 1/2"	3,600
2041 09	2"	6,250
2041 10	2 1/2"	8,950



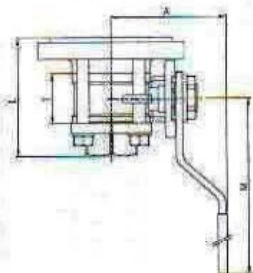
2052



Válvula esfera paso total fondo de cubas.
Const. acero inox. CF8M (316) y 316l (fondo de cubas).
Extremo rosca gas DIN 2999 y fondo de cubas.
Asientos PTFE + 15% FV. Tórica eje vitón.
PN 63. Temp. -25 °C + 180 °C. Montaje directo S/ISO 5211.
Mando manual por palanca con sistema de bloqueo.

Tank bottom full bore ball valve.
Const. stainless steel CF8M (316) and 316l (tank bottom).
Ends: gas thread DIN 2999 and tank bottom.
Seats: PTFE + 15% FV. O'ring stem: viton. PN 63.
Temp. -25 °C + 180 °C. Direct assembling ISO 5211.
Manually operated by handle with locking system.

MED.	A	L	M	T
1/2"	60	65,5	112	24
3/4"	70	76,2	138	30
1"	70	83,3	138	33,5
1 1/4"	88	91,3	160	41,5
1 1/2"	94	103,3	205	51,5
2"	100	116,5	205	63
2 1/2"	150	147,3	330	83,5
3"	165	169	330	100
4"	175	198	340	118,5



2052 04	1/2"	0,720
2052 05	3/4"	1,165
2052 06	1"	1,500
2052 07	1 1/4"	2,530
2052 08	1 1/2"	3,360
2052 09	2"	4,630
2052 10	2 1/2"	10,285
2052 11	3"	13,480
2052 12	4"	21,830

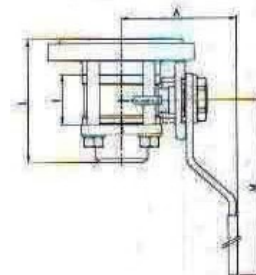
2053



Válvula esfera paso total fondo de cubas.
Const. acero inox. CF8M (316) y 316l (fondo de cubas).
Extremo butt weld ANSI B 16.25 y fondo de cubas.
Asientos PTFE + 15% FV. Tórica eje vitón.
PN 63. Temp. -25 °C + 180 °C. Montaje directo s/ISO 5211.
Mando manual por palanca con sistema de bloqueo.

Tank bottom full bore ball valve.
Const. stainless steel CF8M (316) and 316l (tank bottom).
Ends: butt weld ANSI B 16.25 and tank bottom.
Seats: PTFE + 15% FV. O'ring stem: viton.
PN 63. Temp. -25 °C + 180 °C. Direct assembling ISO 5211.
Manually operated by handle with locking system.

MED.	A	L	M	T
1/2"	60	65,5	112	24
3/4"	70	76,2	138	30
1"	70	83,3	138	33,5
1 1/4"	88	91,3	160	41,5
1 1/2"	94	103,3	205	51,5
2"	100	116,5	205	63
2 1/2"	150	147,3	330	83,5
3"	165	169	330	100
4"	175	203	340	118,5



2053 04	1/2"	0,720
2053 05	3/4"	1,155
2053 06	1"	1,480
2053 07	1 1/4"	2,535
2053 08	1 1/2"	3,345
2053 09	2"	4,590
2053 10	2 1/2"	10,200
2053 11	3"	13,480
2053 12	4"	21,830

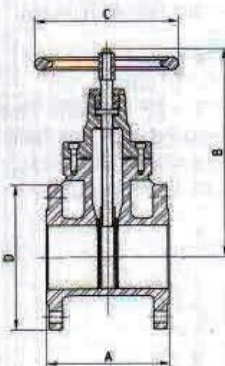
2102
D2102



Válvula de compuerta con cierre de EPDM y cuerpo de fundición nodular PN16
Vástago fijo. Diseño según DIN 3352, DIN 2501, DIN 3202-F4 apta para conducción de agua. Temp. máx. de trabajo 80°C.

Gate valve with EPDM seal and ductile iron body PN 16
Fixed stem. Design according to DIN 3352, DIN 2501, DIN 3202-F4. Suitable for water conduction.
Max. working Temp. 80°C.

DN	A	B	C	D
50	150	240	180	165
65	170	270	180	185
80	180	300	200	200
100	190	330	250	220
125	200	375	280	250
150	210	425	280	285
200	230	515	320	340
250	250	600	350	405
300	270	685	400	480



2102 09	2"	11,600
2102 10	2 1/2"	14,700
2102 11	3"	16,500
2102 12	4"	23,200
2102 13	5"	35,000
2102 14	6"	41,300
2102 16	8"	66,000
2102 18	10"	98,000
2102 20	12"	125,300

D2102 09	2"	
D2102 10	2 1/2" - 4"	
D2102 13	5" - 6"	
D2102 16	8"	
D2102 18	10" - 12"	

Art. D2102. Adaptador opcional
Art. D2102. Optional adapter

2104
5104

Válvula mariposa tipo wafer

Montaje entre bridas PN 10/16 - ANSI 150 lbs.

Cuerpo, eje y disco: inoxidable 316 (CF8M).

Asiento: PTFE con base de EPDM. Temp. -25 °C + 180°C.

Mando manual por palanca de inoxidable hasta 5", mayor de 5" con reductor. Longitud entre caras según DIN 3202K1.

Art. 5104 de 2" a 5" con reductor manual

Wafer type butterfly valve

Mounting between flanges PN 10/16 - ANSI 150 lbs.

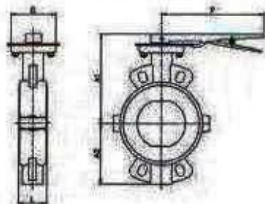
Body, stem and disc: stainless steel 316 (CF8M).

Seat: PTFE with EPDM backup ring. Temp. -25 °C + 180 °C.

Manually operated by stainless steel handle until 5", from 5" with gear operator. Face to face according to DIN 3202 k1.

Art. 5104 from 2" to 5" with gear operator.

MED.	L	A1	A2	D	P
2"	43	168	74	65	270
2 1/2"	46	170	82	65	270
3"	46	170	90	65	270
4"	52	190	116	90	270
5"	56	206	132	90	270
6"	56	222	145	90	***
8"	60	274	180	125	***



2104 09	2"	3,800
2104 10	2 1/2"	4,400
2104 11	3"	4,900
2104 12	4"	6,500
2104 13	5"	8,200
2104 14	6"	9,600
2104 16	8"	14,700

5104 09	2"	5,250
5104 10	2 1/2"	5,850
5104 11	3"	6,350
5104 12	4"	7,950
5104 13	5"	9,650

2108
5108

Válvula mariposa tipo Lug.

Montaje entre bridas PN 10/16,

PN 16 ≤ DN 150 - PN 10 ≥ DN 200

Cuerpo fundición nodular GGG-40. Disco CF8M (316)

Elastómero EPDM. Tóricas eje NBR.

Temperatura de trabajo -20°C + 120°C.

Montaje actuador s / ISO 5211. Palanca hasta 10".

Reductor manual a partir de 12".

Art. 5108: de 2" a 10" con reductor manual.

Lug type butterfly valve.

Mounting between DIN PN 10/16 flanges

PN 16 ≤ DN 150 - PN 10 ≥ DN 200

Body: ductil iron GGG-40. Disc: CF8M (316)

Seat: EPDM. Stem o'ring NBR.

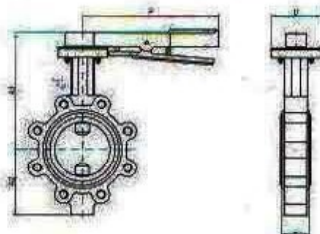
Working temperature -20°C + 120 °C.

Mounting actuator according to ISO 5211 std.

Handle up to 10" with gear operator from 12".

Art. 5108: from 2" to 10" with gear operator.

MED.	L	A1	A2	D	P
2"	43	191	79	90	270
2 1/2"	46	190	93	90	270
3"	46	196	103	90	270
4"	52	215	120	90	270
5"	56	240	133	90	270
6"	56	240	158	125	300
8"	60	280	180	125	300
10"	68	325	216	125	300
12"	78	351	251	150	****



2108 09	2"	4,800
2108 10	2 1/2"	5,500
2108 11	3"	7,000
2108 12	4"	8,100
2108 13	5"	10,900
2108 14	6"	14,000
2108 16	8"	19,400
2108 18	10"	28,500
2108 20	12"	49,600

5108 09	2"	8,100
5108 10	2 1/2"	8,800
5108 11	3"	10,300
5108 12	4"	11,400
5108 13	5"	14,200
5108 14	6"	17,300
5108 16	8"	29,400
5108 18	10"	38,500

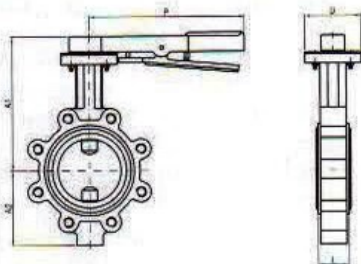
2108A
5108A



Válvula mariposa tipo Lug.
Montaje entre bridas ANSI 125 / 150
 Cuerpo fundición nodular GGG-40. Disco CF8M (316)
 Elastómero EPDM. Tóricas eje NBR.
 Temperatura de trabajo -20°C + 120°C.
 Montaje actuador s / ISO 5211. Palanca hasta 10".
 Reductor manual a partir de 12".
Art. 5108A: de 2" a 10" con reductor manual.

Lug type butterfly valve.
Mounting between ANSI class 125 / 150 flanges
 Body: ductil iron GGG-40. Disc: CF8M (316)
 Seat: EPDM. Stem o'ring NBR.
 Working temperature -20°C + 120 °C.
 Mounting actuator according to ISO 5211 std.
 Handle up to 10" with gear operator from 12".
Art. 5108A: from 2" to 10" with gear operator.

MED.	L	A1	A2	D	P
2"	43	191	79	90	270
2 1/2"	46	190	93	90	270
3"	46	195	103	90	270
4"	52	215	120	90	270
5"	56	240	133	90	270
6"	56	240	158	125	300
8"	60	280	180	125	300
10"	68	325	216	125	300
12"	78	351	251	150	***
14"	78	346	262	150	***
16"	102	375	301	175	***
18"	114	400	333	175	***
20"	127	432	366	175	***



2108A 09	2"	4,500
2108A 10	2 1/2"	5,000
2108A 11	3"	5,200
2108A 12	4"	8,200
2108A 13	5"	10,000
2108A 14	6"	13,500
2108A 16	8"	17,500
2108A 18	10"	28,200
2108A 20	12"	53,000
2108A 22	14"	69,000
2108A 24	16"	97,000
2108A 26	18"	143,000
2108A 28	20"	180,000

5108A 09	2"	7,800
5108A 10	2 1/2"	8,300
5108A 11	3"	8,500
5108A 12	4"	11,500
5108A 13	5"	13,300
5108A 14	6"	16,800
5108A 16	8"	27,500
5108A 18	10"	38,200

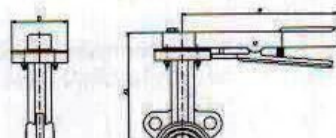
2103
5103



Válvula mariposa tipo wafer
PN-10/16. ANSI 150 lbs.
 Cuerpo hierro fundido. +epoxy.
 Disco fdon.nodular zincado. Elastómero EPDM.
 Toricas eje NBR. Temp. Máx. 120°C.
 Brida montaje actuadores s/ISO 5211.
 Palanca hasta 10" reductor manual a partir de 12".
Art. 5103: de 2" a 10" con reductor manual

Wafer type butterfly valve
PN 10/16 ANSI 150 lbs.
 Body: cast iron + epoxy disk: zinc plated elastomer:
 EPDM. O'ring stem: NBR
 Max. Temp. 120°C. Flanges mounted actuators ISO 5211
 handle up to 10" with gear operator from 12".
Art. 5103 - from 2" to 10" with gear operator.

MED.	L	A1	A2	D	P	PN
2"	43	200	75	90	270	16
2 1/2"	46	200	85	90	270	16
3"	46	200	100	90	270	16
4"	52	220	120	90	270	16
5"	56	250	125	90	270	16
6"	56	250	150	125	300	16
8"	60	300	150	125	300	16
10"	68	330	200	125	300	16
12"	78	360	250	150	***	16
14"	78	390	260	150	***	10
16"	102	420	300	175	***	10
18"	114	445	330	175	***	10
20"	127	480	370	175	***	10



2103 09	2"	4,100
2103 10	2 1/2"	4,400
2103 11	3"	4,800
2103 12	4"	6,400
2103 13	5"	7,900
2103 14	6"	10,300
2103 16	8"	15,200
2103 18	10"	22,100
2103 20	12"	41,500
2103 22	14"	57,500
2103 24	16"	77,600
2103 26	18"	118,500
2103 28	20"	151,500

5103 09	2"	7,400
5103 10	2 1/2"	7,700
5103 11	3"	8,100
5103 12	4"	9,700
5103 13	5"	11,200
5103 14	6"	13,600
5103 16	8"	18,500
5103 18	10"	25,400

2109
5109



valvula mariposa tipo PN

PN-10/16. ANSI 150 lbs.

Cuerpo hierro fundido. +epoxy disco acero inox. AISI 316.

Elastómero EPDM. Tóricas eje NBR. Temp. máx. 120°C.

Brida montaje actuadores S/ISO 5211. Palanca hasta 10" reductor manual a partir de 12" .

Art. 5109 - de 2" a 10" con reductor manual

Wafer type butterfly valve

PN 10/16. ANSI 150 lbs.

Body: cast iron +epoxy disc: stainless steel AISI 316.

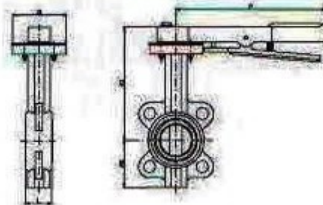
Elastomer: EPDM. O'ring stem: NBR. Max. Temp. 120°C.

Flanges mounted actuators ISO 5211.

Handle up to 10" with gear operator from 12" .

Art. 5109 - from 2" to 10" with gear operator.

MED.	L	A1	A2	D	P	PN
2"	43	200	75	90	270	16
2 1/2"	46	200	85	90	270	16
3"	46	200	100	90	270	16
4"	52	220	120	90	270	16
5"	56	250	125	90	270	16
6"	56	250	150	125	300	16
8"	60	300	150	125	300	16
10"	68	330	200	125	300	16
12"	78	360	250	150	**	16
14"	78	390	260	150	**	10
16"	102	420	300	175	**	10
18"	114	445	330	175	**	10
20"	127	480	370	175	**	10



2109 09	2"	4,100
2109 10	2 1/2"	4,400
2109 11	3"	4,800
2109 12	4"	6,400
2109 13	5"	7,900
2109 14	6"	10,300
2109 16	8"	15,200
2109 18	10"	22,100
2109 20	12"	41,500
2109 22	14"	57,500
2109 24	16"	77,600
2109 26	18"	118,500
2109 28	20"	151,500

5109 09	2"	7,400
5109 10	2 1/2"	7,700
5109 11	3"	8,100
5109 12	4"	9,700
5109 13	5"	11,200
5109 14	6"	13,600
5109 16	8"	18,500
5109 18	10"	25,400

Válvula con elastómero NBR (2109B). Precios a consular.
NBR elastomer valve (2109B). Prices on request.

2105



Tipo Wafer. Válvula esfera paso total 1 pieza montaje entre bridas PN-16

Cuerpo: acero carbono A-105 bola eje y tapa: inox. AISI 304

Asientos y juntas: PTFE Temp. -20 °C +180 °C.

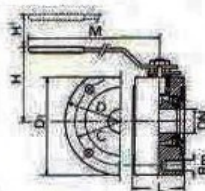
Mando manual por palanca.

Wafer type. 1 pc full bore ball valve mounting between flanges PN16

Body: carbon steel A-105. Ball, stem and cover: stainless steel AISI 304. Seats and seals: PTFE Temp. -20°C +180°C.

Manually operated by handle.

MED.	D	D1	C	H	L	M	rM
1"	110	108	85	95	46	185	4xM12
1 1/4"	130	128	100	110	55	280	4xM16
1 1/2"	140	138	110	110	66	280	4xM16
2"	150	148	125	120	72	280	4xM16
2 1/2"	170	168	145	150	98	360	4xM16
3"	190	188	160	160	120	360	8xM16
4"	220	220	180	180	140	480	8xM16



2105 06	1"	2,700
2105 07	1 1/4"	4,600
2105 08	1 1/2"	6,300
2105 09	2"	7,850
2105 10	2 1/2"	13,800
2105 11	3"	20,650
2105 12	4"	31,200

2110



Tipo Wafer. Válvula esfera paso total 1 pieza montaje entre bridas PN-16

Cuerpo bola y eje: inox. AISI 316.

Asientos y juntas: PTFE Temp. -20°C +180°C.

Mando manual por palanca.

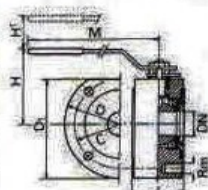
Wafer type. 1 pc full bore ball valve mounting between flanges PN-16

Body ball and stem: stainless steel AISI 316.

Seats and seals: PTFE Temp. -20°C +180°C.

Manually operated by handle.

MED.	D	D1	C	H	L	M	rM
1/2"	90	88	65	90	32	130	4xM12
3/4"	100	98	75	90	42	180	4xM12
1"	110	108	85	90	45	180	4xM12
1 1/4"	130	128	100	110	54	270	4xM16
1 1/2"	140	138	110	110	65	280	4xM16
2"	150	148	125	125	72	280	4xM16
2 1/2"	170	175	145	150	98	360	4xM16
3"	190	188	160	160	118	360	8xM16
4"	220	210	180	180	140	470	8xM16



2110 04	1/2"	1,400
2110 05	3/4"	2,200
2110 06	1"	2,750
2110 07	1 1/4"	4,640
2110 08	1 1/2"	6,350
2110 09	2"	7,900
2110 10	2 1/2"	13,900
2110 11	3"	20,900
2110 12	4"	31,300

2115



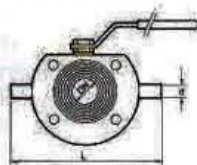
Tipo wafer. Válvula esfera paso total 1 pieza con cámara de calefacción montaje entre bridas PN-16

Cuerpo: acero al carbono forjado A-105. bola, eje y tapa: inox. AISI 304 asientos y juntas: PTFE. Temp. -20°C +180°C. Mando manual por palanca.

Wafer type. 1 pc full bore ball valve with heating chamber mounting between flanges PN-16

Body: forged carbon steel A-105. Ball stem and cover: stainless steel AISI 304. Seats and seals: PTFE Temp. -20°C +180°C. Manually operated by handle.

DN	L	d
25	170	3/4"
32	190	3/4"
40	200	3/4"
50	210	3/4"
65	235	3/4"
80	250	3/4"
100	270	3/4"



CODE	SIZE	WEIGHT
2115 06	1"	3,050
2115 07	1 1/4"	4,730
2115 08	1 1/2"	6,400
2115 09	2"	8,300
2115 10	2 1/2"	13,500
2115 11	3"	20,300
2115 12	4"	32,400

2116



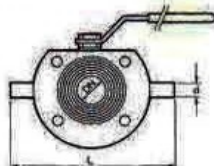
Tipo wafer. Válvula esfera paso total 1 pieza con cámara de calefacción. Montaje entre bridas PN-16

Cuerpo bola y eje: inox. AISI 316. Asientos y juntas: PTFE. Temp. -20°C +180°C mando manual por palanca.

Wafer type. 1 pc full bore ball valve with heating chamber mounting between flanges PN-16

Body ball and stem: stainless steel AISI 316. Seats and seals: PTFE Temp. -20°C +180°C. Manually operated by handle

DN	L	d
15	150	1/2"
20	160	1/2"
25	170	1/2"
32	190	1/2"
40	200	1/2"
50	210	1/2"
65	235	1/2"
80	250	1/2"
100	270	1/2"



2116 04	1/2"	1,550
2116 05	3/4"	2,350
2116 06	1"	2,950
2116 07	1 1/4"	4,850
2116 08	1 1/2"	6,450
2116 09	2"	8,300
2116 10	2 1/2"	13,700
2116 11	3"	20,450
2116 12	4"	32,600

2118



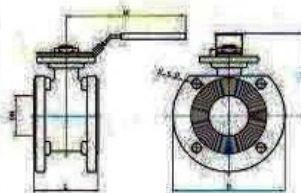
Tipo Wafer. Válvula esfera paso total 1 pieza montaje entre bridas PN-16

Const. acero inox CF8M (316) microfundición. Esfera y eje inoxidable 316. Asientos PTFE + 15% FV. PN-16. Temp. -25°C + 180°C. Montaje directo S/ ISO 5211 (a partir de 1"). Mando manual por palanca con sistema de bloqueo.

Wafer type. 1 pc full bore ball valve mounting between flanges PN-16

Const. stainless steel CF8M (316) investment casting. Ball and stem: stainless steel 316. Seats: PTFE + 15% GF. PN - 16. Temp. -25 °c + 180 °c. Direct assembling ISO 5211 (from 1") Manually operated by handle with locking system.

MED.	DN	L	M	D	H	nxd
1/2"	15	96	120	95	89	4 x M12
3/4"	20	38	120	105	94	4 x M12
1"	25	50	160	115	90	4 x M12
1 1/4"	32	53	160	140	100	4 x M16
1 1/2"	40	65	200	150	105	4 x M16
2"	50	78	200	165	125	4 x M16
2 1/2"	65	98	255	165	140	4 x M16
3"	80	118	255	200	145	8 x M16
4"	100	140	300	220	175	8 x M16



2118 04	1/2"	1,250
2118 05	3/4"	1,600
2118 06	1"	2,300
2118 07	1 1/4"	3,550
2118 08	1 1/2"	4,600
2118 09	2"	6,350
2118 10	2 1/2"	9,650
2118 11	3"	13,800
2118 12	4"	18,600

2220



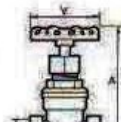
Válvula de compuerta PN-16

Rosca gas, también disponible con rosca NPT (2220N) Construcción: inox. CF8M (316) microfundición. Juntas: PTFE. Conexión: rosca gas DIN 2999. Presión Max.: 16 kgs/cm² a 120°C 10 kgs/cm² a 180°C. Temp. Min. -30°C.

Gate valve PN-16

Gas thread, also available NPT thread (2220N) Constr. stainless steel CF8M (316) investment casting. Seats: PTFE: gas threaded ends din 2999. Max. pressure: 16 kg/cm² at 120°C 10 kg/cm² at 180°C minimum temp.: -30°C.

R	DN	A	L	V
1/2"	15	100	54	60
3/4"	20	110	58	70
1"	25	115	65	70



2220 04	1/2"	0,414
2220 05	3/4"	0,578
2220 06	1"	0,740
2220 07	1 1/4"	0,995
2220 08	1 1/2"	1,459
2220 09	2"	1,985

Precios rosca NPT a consultar / NPT thread prices on

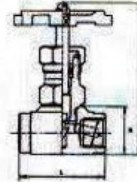
2221
2222



Válvulas de aguja – 3000 Lbs
Art. 2221. Rosca gas H/H. Art. 2222. Rosca NPT H/H.
 Construcción: acero A105 / aguja INOX A182 F316+ T. Térmico
 Estopada: PTFE Presión máxima de trabajo 210 Bar.
 Temperatura de trabajo -20°C a 250°C.

Needle valve – 3000 Lbs
Art. 2221. Gas thread F/F. Art. 2222. NPT thread F/F.
 Constr. steel A105, needle stainless steel A182 F316
 + Heat Treatment. Stem packing: PTFE Max. working pressure
 210 Bar . Working temperature -20°C to 250°C.

MED.	E	H	L	K
1/4"	25	85	50	3
3/8"	30	100	55	4
1/2"	34	115	60	6
3/4"	40	120	70	8
1"	45	138	75	9



2221		
2222 02	1/4"	0,260
2222 03	3/8"	0,360
2222 04	1/2"	0,530
2222 05	3/4"	0,760
2222 06	1"	1,175

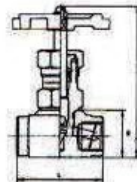
2223
2224



Válvulas de aguja – 3000 Lbs
Art. 2223. Rosca gas H/H. Art. 2224. Rosca NPT H/H.
 Construcción: acero inoxidable A182 F316/aguja inox A182 F316 +
 T. térmico. Estopada: PTFE. Presión máxima de trabajo 210 bar
 Temperatura de trabajo: -20°C a 250 °C.

Needle valve – 3000 Lbs
Art. 2223. Gas thread F/F. Art. 2224. NPT thread F/F.
 Construction: stainless steel A182 F316/needle stainless steel
 A182 F316+ heat treatment. Stem packing PTFE.
 Max. Working pressure 210 bar.
 Working temperature -20°C to 250 °C

MED.	E	H	L	K
1/4"	25	85	50	3
3/8"	30	100	55	4
1/2"	34	115	60	6
3/4"	40	120	70	8
1"	45	138	75	9
1 1/4"	57	165	90	11
1 1/2"	67	185	100	15
2"	78	195	120	18



2223		
2224 02	1/4"	0,260
2224 03	3/8"	0,360
2224 04	1/2"	0,530
2224 05	3/4"	0,760
2224 06	1"	1,175
2224 07	1 1/4"	1,850
2224 08	1 1/2"	2,900
2224 09	2"	4,700

2225
2225N

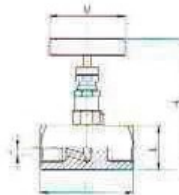
NOVEDAD
NEW



Válvula de aguja – 6000 Lbs
 También disponible con rosca NPT (2225N)
 Construcción: Acero inox. A182 F316 / Aguja inox A182 F316 +
 T. Térmico. Estopada PTFE. Presión maxima de trabajo 410 bar.
 Temperatura de trabajo -54°C. a 250°C.

Needle valve – 6000 Lbs
 Also available with NPT thread (2225N)
 Construction: Stainless steel A182 F316 / Needle stainless steel
 A182 F316+ Heat treatment. Stem packing PTFE.
 Max. working pressure 410 bar.
 Working temperature -54 °C to 250 °C

MED.	E	H	L	M	K
1/4"	25,5	90	61	55	4
3/8"	25,5	90	61	55	4
1/2"	28,5	92	68	55	5
3/4"	38	98	76	55	6
1"	44,5	108	85	55	8



2225 02	1/4"	0,365
2225 03	3/8"	0,355
2225 04	1/2"	0,440
2225 05	3/4"	0,800
2225 06	1"	1,120

Precios rosca NPT a consultar / NPT thread prices on request

2226

NOVEDAD
NEW



Válvula de aguja – 6000 lbs con purga
 Construcción: Acero inox. A182 F316 / Aguja inox A182 F316 +
 T. Térmico. Rosca DIN 2999. Estopada PTFE. Presion maxima de
 trabajo 410 bar. Temperatura de trabajo -54 °C a 250 °C.

Needle valve – 6000 lbs with purge hole
 Construction: Stainless steel A182 F316/Needle stainless steel
 A182 F316+ Heat treatment.
 Thread DIN 2999. Stem packing ptf. Max. Working
 Pressure 410 bar. Working temperature -54 °C to 250 °C

MED.	E	H	L	M	K
1/4"	28,5	90	75	55	4
1/2"	32	92	89	55	5



2226 02	1/4"	0,490
2226 04	1/2"	0,560

2230



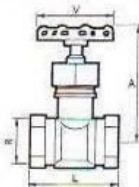
Válvula de globo PN-16

Rosca gas, también disponible en rosca NPT (2230N)
 Construcción: inox. CF8M (316) microfusión.
 Juntas: PTFE conexión: rosca gas DIN 2999.
 Presión max.: 16 kgs/cm² a 120°C 10 kgs/cm² a 180°C.

Globe valve PN-16

Gas thread, also available NPT thread (2230N)
 Constr. Stainless steel CF8M (316) investment casting
 Seals: PTFE: gas threaded ends DIN 259
 Max. pressure: 16 kg/cm² at 120°C 10 kg/cm² at 180°C

R	DN	A	L	V
1/2"	15	97	65	70
3/4"	20	103	75	70
1"	25	116	90	70
1 1/4"	32	135	105	80
1 1/2"	40	152	120	100
2"	50	164	140	100



2230 04	1/2"	0,380
2230 05	3/4"	0,600
2230 06	1"	0,850
2230 07	1 1/4"	1,365
2230 08	1 1/2"	1,880
2230 09	2"	2,680

2231

NOVEDAD
NEW



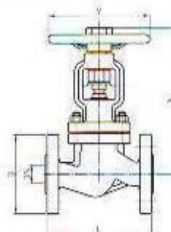
Válvula de globo con fuelle – Bridas DIN PN 16.

Const. cuerpo y bonete acero al carbono GS-C25 (WCB).
 Material del fuelle: inoxidable 304. Junta y empaquetadura de grafito. Material de cierre: inoxidable
 Temperatura máxima de trabajo 350°C.

Bellow globe valve – flanged ends DIN PN 16.

Body and bonnet made of carbon steel GS-C25 (WCB)
 Bellow material: Stainless steel 304. Gasket and packing: graphite.
 Seal material: stainless steel. Max. working temperature 350°C.

Med	DN	A	D	L	V
1/2"	15	195	95	130	140
3/4"	20	200	105	150	140
1"	25	220	115	160	140
1 1/4"	32	225	140	180	160
1 1/2"	40	235	150	200	180
2"	50	250	165	230	180
2 1/2"	65	260	185	290	220
3"	80	265	200	310	250
4"	100	370	220	350	300
5"	125	400	250	400	350
6"	150	515	285	480	400
8"	200	550	340	600	500



2231 04	1/2"	4,300
2231 05	3/4"	5,300
2231 06	1"	6,300
2231 07	1 1/4"	8,000
2231 08	1 1/2"	9,800
2231 09	2"	13,500
2231 10	2 1/2"	19,100
2231 11	3"	24,000
2231 12	4"	37,000
2231 13	5"	62,000
2231 14	6"	80,000
2231 16	8"	136,000

2232N
2232S



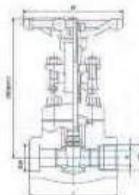
Válvula de compuerta clase 800. (2232S-extremos S.W.).

Const. cuerpo y bonete acero forjado ASTM A105N.
 Material de cierre: asiento con stellite
 Compuerta: ASTM A182 - F6a. (trim #8/XU).
 Bonete atornillado. Extremos roscados NPT.

Gate valve class 800. (2232S-S.W. ends).

Body and bonnet made of forged steel ASTM A105N.
 Seat material: stainless steel stellited.
 Gate: astm a182 F6a (trim #8/XU). Bolted bonnet. NPT
 Thread ends. (2232S- socket weld ends).

MED.	D	d	SW	H	W	L
1/2"	15	10	21,8	151	100	79
3/4"	20	13,5	27,1	158	100	92
1"	25	18	33,8	185	125	111
1 1/4"	32	24	42,6	239	160	120
1 1/2"	40	30	48,7	243	160	120
2"	50	36,5	61,1	279	180	140



2232N 04	1/2"	2,200
2232N 05	3/4"	2,395
2232N 06	1"	4,110
2232N 07	1 1/4"	5,650
2232N 08	1 1/2"	6,740
2232N 09	2"	10,730

2232S 04	1/2"	2,210
2232S 05	3/4"	2,435
2232S 06	1"	4,130
2232S 07	1 1/4"	5,710
2232S 08	1 1/2"	6,850
2232S 09	2"	10,810

2232A

NOVEDAD
NEW



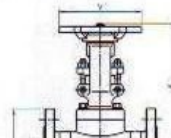
Válvula de compuerta con bridas ANSI clase 150.

Const. cuerpo y bonete acero forjado ASTM A105N.
 Material de cierre: asiento con stellite
 Compuerta: ASTM A182 - F6a. (Trim #8/XU).
 Bonete atornillado.

Gate valve with flanged ends ANSI 150 class.

Body and bonnet made of forged steel ASTM A105N.
 Seat material: stainless steel stellited.
 Gate: ASTM A182 F6a (Trim #8/XU). Bolted bonnet.

MED.	DN	A	D	L	V
1/2"	15	157	90	108	80
3/4"	20	163	100	117	80
1"	25	194	110	127	105
1 1/4"	32	196	115	140	140



2232A 04	1/2"	3,400
2232A 05	3/4"	3,800
2232A 06	1"	5,900
2232A 07	1 1/4"	7,200
2232A 08	1 1/2"	10,000
2232A 09	2"	15,200

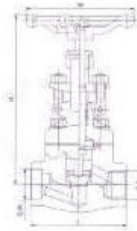
2233S



Const. cuerpo y bonete acero forjado ASTM A105N.
Material de cierre: asiento con stellite
Disco: ASTM A182 - F6a. (trim #8/XU).
Bonete atornillado. extremos roscados NPT.

Globe valve class 800. (2233S - S.W. ends).
Body and bonnet made of forged steel ASTM A105N.
Seat material: stainless steel stellited. Disc: ASTM A182 F6a (trim #8/XU). Bolted bonnet. NPT thread ends.
(2233S socket weld ends).

MED.	DN	SW	H	W	L
1/2"	15	21,8	164	100	79
3/4"	20	27,1	164	100	92
1"	25	33,8	203	125	111
1 1/4"	32	42,6	224	160	120
1 1/2"	40	48,7	260	160	152
2"	50	61,1	300	180	172



2233N 04	1/2"	2,255
2233N 05	3/4"	2,400
2233N 06	1"	4,145
2233N 07	1 1/4"	5,765
2233N 08	1 1/2"	8,110
2233N 09	2"	12,540
2233S 04	1/2"	2,270
2233S 05	3/4"	2,445
2233S 06	1"	4,185
2233S 07	1 1/4"	5,850
2233S 08	1 1/2"	8,325
2233S 09	2"	12,675

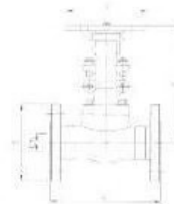
2233A

NOVEDAD
NEW

Válvula de globo con bridas ANSI clase 150.
Const. cuerpo y bonete acero forjado ASTM A105N.
Material de cierre: asiento con stellite
Disco: ASTM A182 - F6a. (Trim #8/XU).
Bonete atornillado.

Globe valve with flanged ends ANSI 150 class.
Body and bonnet made of forged steel ASTM A105N.
Seat material: stainless steel stellited.
Disc: ASTM A182 F6a (Trim #8/XU). Bolted bonnet.

MED.	DN	A	D	L	V
1/2"	15	185	90	108	80
3/4"	20	183	100	117	80
1"	25	218	110	127	105
1 1/4"	32	223	115	140	140
1 1/2"	40	245	125	165	140
2"	50	269	150	178	160



2233A 04	1/2"	3,400
2233A 05	3/4"	3,900
2233A 06	1"	5,950
2233A 07	1 1/4"	9,600
2233A 08	1 1/2"	10,500
2233A 09	2"	13,100

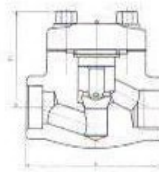
2234N
2234S

Válvula de retención clase 800 tipo pistón.
(2234S - extremos S.W.).

Const. cuerpo y tapa acero forjado ASTM A105N.
Material de cierre: asiento con stellite
Pistón: ASTM A182 - F6a. (trim #8/XU).
Tapa atornillada. Extremos roscados NPT.

Check valve class 800. Piston type.
(2234S- S.W ends).
Body and cover made of forged steel ASTM A105N.
Seat material: stainless steel stellited
Piston: ASTM A182 F6a (trim #8/XU).
Bolted cover. NPT thread ends.

MED.	DN	SW	H	L
1/2"	15	21,8	61	79
3/4"	20	27,1	61	92
1"	25	33,8	78	111
1 1/4"	32	42,6	84	120
1 1/2"	40	48,7	101	120
2"	50	61,1	120	140



2234N 04	1/2"	1,595
2234N 05	3/4"	1,760
2234N 06	1"	2,990
2234N 07	1 1/4"	4,180
2234N 08	1 1/2"	6,360
2234N 09	2"	10,310
2234S 04	1/2"	1,605
2234S 05	3/4"	1,775
2234S 06	1"	3,000
2234S 07	1 1/4"	4,260
2234S 08	1 1/2"	6,380
2234S 09	2"	10,420

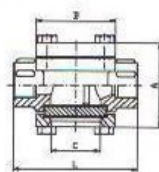
2240



Mirillas de turbulencia doble cristal
Construcción: cuerpo inox. AISI 316. Extremos rosca gas
DIN 2999. Cristal: normal con tratamiento térmico bajo demanda:
cristal "pyrex". Presión máx. de trabajo: 16 kgs/cm² a 50°C.
Temp. máx. de trabajo: 200°C a 10 kgs/cm².

Sight glass, double glass
Constr. body stainless steel AISI 316. Gas DIN 2999 threaded ends.
Glass: normal with thermal treatment. On request: "pyrex" glass.
Max. working pressure: 16 kg/cm² at 50°C.
Max. working temp.: 200°C at 10 kg/cm².

DN	L	A	B	C
15	100	70	64	40
20	100	70	64	40
25	120	88	72	50
32	120	88	72	50
40	150	123	96	65



2240 04	1/2"	1,100
2240 05	3/4"	1,050
2240 06	1"	1,600
2240 07	1 1/4"	1,750
2240 08	1 1/2"	3,850
2240 09	2"	4,000

2250

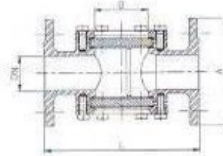
**Mirillas de turbulencia doble cristal**

Construcción: cuerpo inox. AISI 316.
Extremos bridas din PN/16. Cristal: normal con tratamiento térmico.
Bajo demanda: cristal "pyrex".
Presión máx. de trabajo: 16 kgs/cm² a 50°C.
Temp. máx. de trabajo: 200°C a 10 kgs/cm².

Sight glass, double glass

Constr. body stainless steel AISI 316. Ends: flanges din PN-16
Glass: normal with thermal treatment on request: "pyrex"
Max. working pressure: 16 kg/cm² at 50°C.
Max. working temp.: 200°C at 10 kg/cm²

DN	L	A	B
15	130	95	40
20	150	105	40
25	160	115	50
32	180	140	50
40	200	150	65
50	230	165	65
65	290	185	100
80	310	200	100
100	350	220	125



2250 04	1/2"	2,250
2250 05	3/4"	2,800
2250 06	1"	3,650
2250 07	1 1/4"	5,750
2250 08	1 1/2"	8,300
2250 09	2"	9,800
2250 10	2 1/2"	13,700
2250 11	3"	16,650
2250 12	4"	23,800

2260

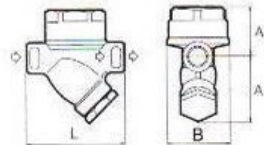
**Purgador termodinámico con filtro incorporado**

PN-16, rosca gas. Cuerpo fundición nodular.
Interno inox. Tamiz inox. Temp. máx. 220°C.

Thermodinamic trap with strainer

PN-16, gas thread, body cast iron.
Internal stainless steel. Sieve stainless steel. Max. temp. 220°C.

MED.	L	A1	A2	B
1/2"	90	55	65	60
3/4"	90	60	65	60
1"	95	60	65	60



2260 04	1/2"	1,100
2260 05	3/4"	1,200
2260 06	1"	1,300

2280

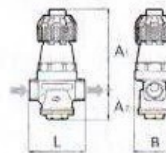
**Válvula reductora de presión, vapor**

PN-16, rosca gas. Cuerpo bronce. Tapa aleación de aluminio.
Pres. máx. entrada 16 kg/cm².
Pres. salida 0,5 - 10 kg/cm². temp. max. 204 °C.

Steam pressure reducing valve

PN-16 gas thread. Body bronze. Cover aluminium alloy.
Max. inlet pressure: 16 kg/cm².
Outlet pressure: 0,5-10 kg/cm². Max. Temp. 204 °C.

MED.	L	A1	A2	B
1/2"	80	137	46	63
3/4"	90	137	46	63
1"	105	144	58	63



2280 04	1/2"	1,400
2280 05	3/4"	1,500
2280 06	1"	1,900

2401

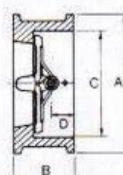
**Tipo wafer. Válvula retención doble disco PN-16**

Construcción: cuerpo hierro fundido GG-25. Discos inox 316.
Ejes y resortes: AISI 316. Cojinetes: PTFE. Montaje entre bridas
PN-10/16 - ANSI 150 lbs. Asiento nitrilo vulcanizado en ranura.

Wafer type. Double disk check valve PN-16

Body: cast iron GG 25. Disks stainless steel 316. Stem and
spring: AISI 316. Bearings: PTFE. Mounting between flanges
PN-10/16 - ANSI 150 lbs. Seat: nitrile vulcanised in the slot.

DN	A	B	C	D
50	101	54	66	27
65	120	54	78	27
80	133	57	89	28
100	164	64	117	30
125	194	70	141	31
150	220	76	168	31
200	275	95	210	41



2401 09	2"	1,850
2401 10	2 1/2"	2,450
2401 11	3"	3,100
2401 12	4"	4,650
2401 13	5"	6,900
2401 14	6"	9,100
2401 16	8"	14,500
2401 18	10"	24,650
2401 20	12"	39,950

2445

**Válvula retención "Cromax" - "Idrja"**

Construcción: AISI 316 - asiento vitón. Extremos rosca gas DIN 2999. Temp. de trabajo, mín. -25°C -máx. +150°C. Presión de trabajo, 16 bar. Presión de apertura, 0,03 bar.

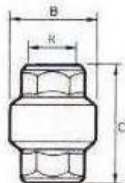
"Cromax" check valve "Idrja"

Constr.: AISI 316 - seat viton. Gas threaded ends DIN 2999.

Working temp. min. -25°C max. + 150°C.

Working pressure: 16 bar. Opening pressure: 0.03 bar.

DN	R	B	C
8	1/4"	32	54
12	3/8"	32	54
15	1/2"	32	54
20	3/4"	42	68
25	1"	52	83
32	1 1/4"	67	102
40	1 1/2"	77	115
50	2"	86	120
65	2 1/2"	108	145
80	3"	126	160
100	4"	163	190



2445 02	1/4"	0,136
2445 03	3/8"	0,122
2445 04	1/2"	0,088
2445 05	3/4"	0,142
2445 06	1"	0,167
2445 07	1 1/4"	0,270
2445 08	1 1/2"	0,408
2445 09	2"	0,620
2445 10	2 1/2"	1,200
2445 11	3"	1,972
2445 12	4"	3,280

2447

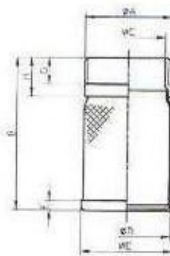
**Filtro válvula retención**

Construcción: AISI 316 malla AISI 316. Extremos roscado gas exterior PN 16 bar. Diámetro malla: 1/2" a 2": máx. 1 mm 2 1/2" a 4": máx. 1,9 mm.

Strainer for check valve

Const.: sieve stainless steel AISI 316. Steel AISI 316. External gas threaded ends PN-16 bar. Sieve diameter: 1/2" to 2": max. 1 mm. 2 1/2" to 4": max. 1,9 mm.

A	B	C	D	E	F	G	H
1/2"	56,5	17,5	22	23	4	10	15
3/4"	62,5	22	28	29	4	10	15
1"	70	28,5	36	37	4	10	15
1 1/4"	80	36,5	43	44	5	14	20
1 1/2"	90	42,5	48	49	5	14	20
2"	100	54,5	61	62	5,5	14	20
2 1/2"	115	70,5	79,5	80,5	5,5	18	25
3"	125	83	92	93	6	16	25
4"	145	108,5	116	117	6	16	25



2447 04	1/2"	0,016
2447 05	3/4"	0,022
2447 06	1"	0,034
2447 07	1 1/4"	0,054
2447 08	1 1/2"	0,064
2447 09	2"	0,096
2447 10	2 1/2"	0,136
2447 11	3"	0,156
2447 12	4"	0,202

2446

**Válvula retención pie "Cromax" - "Idrja"**

Construcción: AISI 316 - asiento vitón. Extremos roscados DIN 2999. Temp. de trabajo, mín. -25°C -máx. +150°C. Presión de trabajo, 16 bar. Presión de apertura, 0,03 bar.

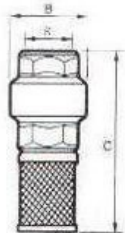
"Cromax" foot check valve - "Idrja"

Constr.: AISI 316 - seat viton. Gas threaded ends DIN 2999.

Working temp. min. -25°C max. + 150°C.

Working pressure: 16 bar. Opening pressure: 0.03 bar.

DN	R	B	C
15	1/2"	32	100
20	3/4"	42	121
25	1"	52	143
32	1 1/4"	67	168
40	1 1/2"	77	191
50	2"	86	206
65	2 1/2"	108	244
80	3"	128	270
100	4"	163	320



2446 04	1/2"	0,104
2446 05	3/4"	0,164
2446 06	1"	0,201
2446 07	1 1/4"	0,324
2446 08	1 1/2"	0,472
2446 09	2"	0,716
2446 10	2 1/2"	1,336
2446 11	3"	2,129
2446 12	4"	3,482

2448

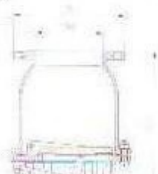
**Válvula de retención de pie con brida DIN PN 16**

Construcción en acero inoxidable 316 (CF8M)
Asiento de vitón, junta PTFE. Con sistema manual de vaciado
Presión máxima de trabajo 16 Bar.

Foot check valve with DIN PN 16 flange end

Stainless steel material AISI 316 (CF8M). Seat viton material, gasket PTFE. With manual system to empty
Max. working pressure 16 Bar.

MED	DN	D	L
2"	50	165	170
2 1/2"	65	185	183
3"	80	200	198
4"	100	220	242
5"	125	250	282



2448 09	2"	5,200
2448 10	2 1/2"	6,900
2448 11	3"	9,600
2448 12	4"	14,600
2448 13	5"	19,400
2448 14	6"	28,900
2448 16	8"	52,100

NOVEDAD
NEW

2450

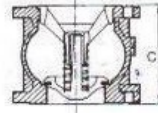
**Válvula retención a disco con bridas Din PN-16**

Cuerpo: fund. hierro GG-25. Disco: fund. hierro GG-25.
 Guía: DN 50-80 latón DIN -17660. Guía: DN 100-250 fund.
 GG-25. Soporte: latón DIN 17660. Cierre blando: NBR 80 SH.

Disk check valve with flanges Din PN-16

Body and disk: cast iron GG-25. Guide: DN 50-80 brass DIN
 17660. Guide: DN 100-250 cast iron GG-25. Bracket: brass DIN
 17660. Locking device: NBR 80 SH.

MED.	Ø	B	C
2"	51	165	100
2 1/2"	63	185	120
3"	80	200	140
4"	100	220	170
5"	125	250	200
6"	150	285	230
8"	200	340	300
10"	250	405	370



2450 09	2"	5,650
2450 10	2 1/2"	7,850
2450 11	3"	10,050
2450 12	4"	13,250
2450 13	5"	21,300
2450 14	6"	29,150
2450 16	8"	48,150
2450 18	10"	82,000

2451

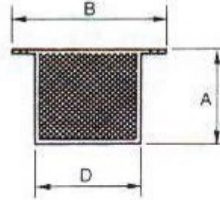
**Filtro colador para ensamblar - brida PN-16**

Construcción acero zincado

Strainer for assembling - flange PN-16

Constr.: in zinc plated steel

MED.	A	B	D
2"	80	155	110
2 1/2"	100	175	130
3"	125	200	145
4"	150	210	165
5"	180	240	195
6"	205	275	220
8"	255	330	275
10"	300	385	330

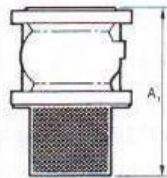


2451 09	2"	0,500
2451 10	2 1/2"	0,600
2451 11	3"	1,000
2451 12	4"	1,190
2451 13	5"	1,625
2451 14	6"	2,125
2451 16	8"	3,100
2451 18	10"	4,300

2452

**Válvula de retención art. 2450 con filtro colador art. 2451****Check valve art. 2450 with strainer art.2451**

MED.	A
2"	180
2 1/2"	220
3"	265
4"	320
5"	360
6"	435
8"	555
10"	670



2452 09	2"	6,150
2452 10	2 1/2"	8,450
2452 11	3"	11,050
2452 12	4"	14,440
2452 13	5"	22,930
2452 14	6"	31,200
2452 16	8"	51,250
2452 18	10"	86,300

2453

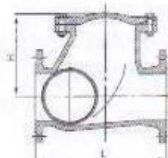
**Válvula retención a bola - bridas din PN-16**

Cuerpo fundido hierro GGG-40. Esfera recubierta con
 NBR. Presión máx: 16 kgs/cm². Temperatura: -10°C + 80°C.
 Dimensiones entre caras según DIN 3202 F6.

Check valve with ball - flanges DIN PN-16

Body and disk: cast iron GGG - 40. ball: with NBR coated.
 Max. pressure: 16 kg/cm². Temp.: -10°C +80°C.
 Dimensions between sides DIN 3202 F6.

MED.	DN	PN	H	L
2"	50	16	126	200
2 1/2"	65	16	145	240
3"	80	16	173	260
4"	100	16	186	300
5"	125	16	225	350
6"	150	16	287	400
8"	200	16	345	500
10"	250	16	435	600



2453 09	2"	7,900
2453 10	2 1/2"	12,800
2453 11	3"	14,000
2453 12	4"	21,100
2453 13	5"	36,800
2453 14	6"	41,900
2453 16	8"	121,000
2453 18	10"	176,000

2460
2460N



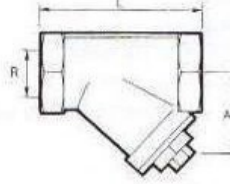
Art. 2460N rosca NPT. Filtro - Y PN 40 - rosca gas

Construcción: inox. CF8M (316) microfusion. Juntas: PTFE
Conexión: rosca gas DIN 2999. Presión de trabajo: 40 kgs/cm².
Temperatura : -30°C +240°C. Tamiz: AISI 316 chapa perforada
(ver d1).

"Y" strainer PN 40 (2460N - NPT thread)

Constr. stainless steel CF8M (316) investment casting. Seat:
PTFE: gas threaded end DIN 2999. Working pressure: 40 kg/cm².
Temperature: -30°C + 240°C. Sieve: AISI 316 perforated plate
(see d1).

DN	A	L	d1
1/4"	30	65	1
3/8"	30	65	1
1/2"	40	65	1
3/4"	45	80	1
1"	55	90	1
1 1/4"	65	105	1
1 1/2"	70	120	1
2"	85	140	1



CÓDIGO CODE	MEDIDA SIZE	PESO WEIGHT
2460 02	1/4"	0,295
2460 03	3/8"	0,213
2460 04	1/2"	0,220
2460 05	3/4"	0,350
2460 06	1"	0,657
2460 07	1 1/4"	0,770
2460 08	1 1/2"	1,150
2460 09	2"	1,765

Precios rosca NPT a consultar / NPT thread prices on

2461



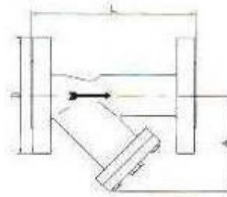
Filtro - Y bridas DIN PN-16

Construcción: AISI 316. Juntas: PTFE conexión: bridas DIN
PN-16. Presión de trabajo: 16 kgs/cm². Temp. : -30°C +240°C.
Tamiz: AISI 316 chapa perforada (ver d1).

Flanged "Y" strainer PN-16

Constr. AISI 316. Seats: PTFE ends: flanges DIN PN-16. Working
pressure: 16 kg/cm². Temperature: -30°C + 240°C. Sieve: AISI 316
perforated plate (see d1).

DN	A	D	L	d1
15	75	95	130	1
20	90	105	150	1
25	100	115	160	1
32	115	140	180	1
40	130	150	200	1
50	150	165	230	1
65	190	185	290	2
80	200	200	310	2
100	230	220	350	2
125	280	250	400	2
150	300	285	480	2
200	400	340	605	2



CÓDIGO CODE	MEDIDA SIZE	PESO WEIGHT
2461 04	1/2"	1,950
2461 05	3/4"	2,750
2461 06	1"	3,700
2461 07	1 1/4"	5,900
2461 08	1 1/2"	6,400
2461 09	2"	8,900
2461 10	2 1/2"	12,950
2461 11	3"	18,150
2461 12	4"	24,300
2461 13	5"	38,350
2461 14	6"	61,300
2461 16	8"	115,000

2525



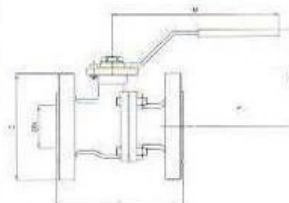
**Válvula esfera paso total 2 piezas bridas DIN PN -16
montaje directo de actuadores S/ISO 5211.**

Cuerpo: fundición nodular GGG-40. Esfera y eje: AISI 304.
Asientos: PTFE + 15% FV. Tórica eje: vitón. Presión máx.:
16 kg/cm². Temp. -30°C + 180°C. Mando manual por palanca
con sistema de bloqueo. L: S/DIN 3202 F-4.

**2 pcs. Full bore ball valve flanges DIN PN - 16
direct mounting for actuators s/ISO 5211.**

Body: ductil iron GGG-40. Ball and stem: AISI 304.
Seats: PTFE + 15% GF. Stem o'ring: vitón.
Max. pressure: 16 kg/cm². Temp. -30°C + 180°C.
Manually operated by handle with locking system.
L: S/DIN 3202 F-4.

MED.	DN	D	L	M	A	ISO 5211
1/2"	15	95	115	130	80	F03/F04
3/4"	20	105	120	130	80	F03/F04
1"	25	115	125	170	90	F04/F05
1 1/4"	32	140	130	170	102	F04/F05
1 1/2"	40	150	140	220	110	F05/F07
2"	50	185	150	220	120	F05/F07
2 1/2"	65	185	170	284	140	F07/F10
3"	80	200	180	284	150	F07/F10
4"	100	220	190	360	180	F07/F10
5"	125	250	325	447	215	F07/F10
6"	150	285	350	560	240	F10/F12
8"	200	340	400	1000	320	F12/F14



CÓDIGO CODE	MEDIDA SIZE	PESO WEIGHT
2525 04	1/2"	2,300
2525 05	3/4"	2,900
2525 06	1"	4,000
2525 07	1 1/4"	5,000
2525 08	1 1/2"	7,000
2525 09	2"	9,400
2525 10	2 1/2"	13,000
2525 11	3"	17,200
2525 12	4"	22,600
2525 13	5"	36,000
2525 14	6"	49,500
2525 16	8"	98,500

2526A



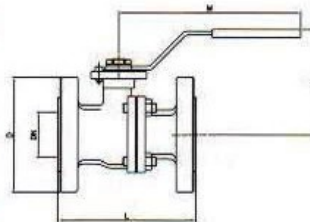
Válvula esfera paso total 2 piezas bridas ANSI B 16.5 S-150

Montaje directo de actuadores s/ISO 5211.
Diseño fire safe. Dispositivo antiestático
Cuerpo: acero al carbono WCB (microfundición).
Esfera y eje: AISI 316. Asientos: PTFE + 15 % FV.
Tórica eje: vitón. Presión máx. : 19 kg /cm².
Temp. -30 °C + 180 °C. Mando manual por palanca con sistema de bloqueo.

2 pcs. Full bore ball valve flanges ANSI B 16.5 S-150

Direct mounting for actuators s/ISO 5211.
Fire safe design. Antistatic device
Body: carbon steel WCB (investment casting).
Ball and stem: AISI 316. Seats: PTFE + 15 % GF.
Stem o'ring: viton. Max. pressure: 19 kg/cm².
Temp. -30 °C + 180 °C. Manually operated by handle with locking system.

MED.	ISO 5211	DN	D	L	M	A
1/2"	F-04	15	89	108	165	90
3/4"	F-04/F-05	20	98,6	117	165	95
1"	F-04/F-05	25	108	127	165	95
1 1/4"	F-05/F-07	32	117	140	165	106
1 1/2"	F-05/F-07	40	127	165	200	110
2"	F-05/F-07	50	152,5	178	200	118
2 1/2"	F-07/F-10	65	177,8	190	400	160
3"	F-07/F-10	80	190,5	203	400	170
4"	F-07/F-10	100	228,6	229	400	186
6"	F-10	150	279,4	394	800	280



CODIGO	MEDIDA	PESO
2526A 04	1/2"	1,500
2526A 05	3/4"	2,150
2526A 06	1"	2,870
2526A 07	1 1/4"	3,950
2526A 08	1 1/2"	5,800
2526A 09	2"	8,400
2526A 10	2 1/2"	13,500
2526A 11	3"	17,800
2526A 12	4"	30,500
2526A 14	6"	75,000

2528



Bridas DIN PN -40 <DN -50

Bridas DIN PN -16 >DN -50

Válvula esfera paso total 2 piezas diseño "fire safe" montaje directo de actuadores S/ISO 5211

Cuerpo: inox. CF8M (316) microfundición.
Asientos y juntas: PTFE +15% FV tórica eje: vitón.
Dispositivo antiestático. Presión máx.: 40/16 kgs/cm² según medida.
Temp.: -30°C + 180°C. Mando manual por palanca.
Long: S/DIN 3202 F-4 DN 15 DN 100 F-5 DN 125 DN 200

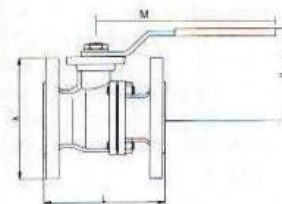
Flanges DIN PN -40 <DN -50

Flanges DIN PN -16 >DN -50

2 pcs. Full bore ball valve fire-safe design direct mounting for actuators ISO 5211

Body: Stainless steel. CF8M (316) investment casting.
Seats: PTFE + 15% GF stem o'ring: viton. Antistatic device.
Max. pressure: 40/16 kg/cm² depending on size.
Temp.: -30°C + 180°C. manually operated by handle.
L: DIN 3202 F-4 DN 15 DN 100 F-5 DN 125 DN 200

MED.	ISO 5211	PN	Dimensiones / Dimensions mm			
			A	H	L	M
1/2"	F-04	40	95	85	115	170
3/4"	F-04/F-05	40	105	85	120	170
1"	F-04/F-05	40	116	95	125	170
1 1/4"	F-05/F-07	40	140	106	130	170
1 1/2"	F-05/F-07	40	150	110	140	200
2"	F-05/F-07	40	165	118	150	200
2 1/2"	F-07/F-10	16	185	170	170	380
3"	F-07/F-10	16	200	170	180	380
4"	F-07/F-10	16	220	170	190	380
5"	F-10/F-12	16	250	200	325	450
6"	F-10/F-12	16	285	250	350	550
8"	F-12	16	340	300	400	550



CODIGO	MEDIDA	PESO
2528 04	1/2"	2,200
2528 05	3/4"	3,050
2528 06	1"	3,750
2528 07	1 1/4"	5,750
2528 08	1 1/2"	7,000
2528 09	2"	9,500
2528 10	2 1/2"	14,750
2528 11	3"	18,850
2528 12	4"	26,250
2528 13	5"	43,650
2528 14	6"	60,850
2528 16	8"	106,700

2528A



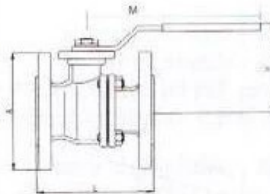
Válvula esfera paso total 2 piezas bridas ANSI B-16.5 S-150 montaje directo de actuadores S/ISO 5211

Cuerpo: inox. CF8M (316). Asientos: PTFE +15% FV.
Presión máx.: 19 kgs/cm². Temp.: -30°C + 180°C.
Mando manual por palanca hasta 6", 8" con reductor manual.

2 pcs full bore ball valve flanges ANSI B-16.5 s-150. Direct mounting for actuators ISO 5211

Body: stainless steel CF8M (316). Seats: PTFE + 15% GF.
Max. pressure: 19 kgs/cm². Temp.: -30°C + 180°C.
Manually operated by handle until 6". 8" with gear operator.

MED.	ISO 5211	Dimensiones / Dimensions mm.			
		A	H	L	M
1/2"	F-03/F-04	89	79	108	135
3/4"	F-03/F-04	98,6	84	117	135
1"	F-04/F-05	108	95	127	170
1 1/4"	F-04/F-05	117	103	140	170
1 1/2"	F-05/F-07	127	111	165	200
2"	F-05/F-07	152,5	120	178	200
2 1/2"	F-07/F-10	177,8	153	190	250
3"	F-07/F-10	190,5	163	203	250
4"	F-10	228,6	182	229	400
6"	F-12	279,4	280	394	800
8"	F-12	342,9	**	457	**



2528A 04	1/2"	1,450
2528A 05	3/4"	2,100
2528A 06	1"	2,850
2528A 07	1 1/4"	3,900
2528A 08	1 1/2"	5,800
2528A 09	2"	8,400
2528A 10	2 1/2"	13,400
2528A 11	3"	17,800
2528A 12	4"	30,500
2528A 14	6"	75,000
2528A 16	8"	135,000

2529



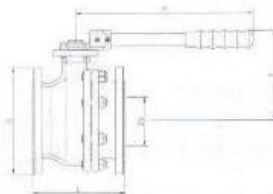
Válvula esfera paso total 2 piezas diseño "fire safe" bridas DIN PN -40 montaje directo de actuadores según ISO 5211.

Cuerpo: CF8M (316). Asientos y juntas: PTFE +15% FV tórica eje: vitón. Presión máx.: 40 kgs/cm². Temp.: -30°C + 180°C.
Mando manual por palanca. L: S/DIN 3202 F-4 DN 65 DN 100 F-5 DN 125 DN 200

2 pcs. Full bore ball valve "fire safe" design flanges DIN PN -40 direct mounting for actuators ISO 5211.

Body: stainless steel. CF8M (316). Seats: PTFE + 15% GF
Stem o'ring: viton. Max. pressure: 40 kg/cm². temp.: -30°C + 180°C.
Manually operated by handle. L: DIN 3202 F-4 DN 65 DNO 100. F-5 DN 125 DN 200.

MED.	DN	L	D PN-40	A	M	ISO 5211
2 1/2"	65	170	185	180	280	F-07/F-10
3"	80	180	200	180	280	F-07/F-10
4"	100	190	235	184	380	F-07/F-10
5"	125	325	270	235	500	F-10/F-12
6"	150	350	300	250	600	F-10/F-12



2529 10	2 1/2"	17,150
2529 11	3"	21,200
2529 12	4"	29,900
2529 13	5"	52,900
2529 14	6"	75,450

2540
2541

Bridas DIN PN40 < DN50. Bridas DIN PN16 > DN50

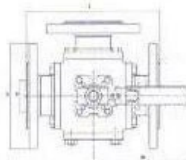
Válvula esfera 3 vias paso total 2540 paso tipo L / 2541 paso tipo T

Montaje directo de actuadores s/ISO 5211.
Cuerpo: inox CF8M (316). 4 asientos: PTFE + 15% FV.
Presión máx. 16/40 kgs/cm² según medida.
Temp.: -30 °C + 180 °C. Mando manual por palanca.

Flanges DIN PN40 < DN50. Flanges DIN PN16 > DN50 3 ways full bore ball valve. 2540 "L" bore / 2541 "T" bore Direct mounting for actuators ISO 5211.

Body: stainless steel CF8M (316). 4 seats: PTFE + 15% GF.
Max. pressure: 16/40 kgs/cm² depending on size.
Temp.: -30°C + 180°C. Manually operated by handle.

MED.	DN	PN	P	D	L	M
1"	25	40	25	115	180	175
1 1/4"	32	40	32	140	190	175
1 1/2"	40	40	38	150	210	200
2"	50	40	49	165	230	200
2 1/2"	65	16	63	185	290	265
3"	80	16	75	200	310	265
4"	100	16	99	220	350	400



2540		
2541 06	1"	7,800
2541 07	1 1/4"	11,600
2541 08	1 1/2"	14,700
2541 09	2"	19,700
2541 10	2 1/2"	29,700
2541 11	3"	42,000
2541 12	4"	60,300

2830
2830N



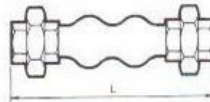
Manguito elástico - doble onda (2830N- Rosca NPT)

Rosca gas, también disponible en rosca NPT (2830N)
Cuerpo EPDM, extremos racors. Roscas gas galvanizados.
Presión de trabajo máx.: 10 kgs/cm². Temp. -10 °C +105 °C.
Longitud: 200 mm.

Rubber expansion joint-double wave (2830N- NPT thread)

Gas thread, also available npt thread (2830N)
Body EPDM. Galvanised gas threaded ends.
Max. working pressure: 10 kg/cm². Temp. -10°C +105°C.
Length: 200 mm.

MED.	L
3/4"	200
1"	200
1 1/4"	200
1 1/2"	200
2"	200



CODE	SIZE	WEIGHT
2830 05	3/4"	0,715
2830 06	1"	1,090
2830 07	1 1/4"	1,310
2830 08	1 1/2"	1,780
2830 09	2"	2,650

Precios rosca NPT a consultar / NPT thread prices on

2831



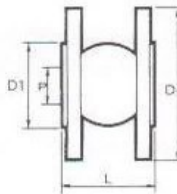
Manguito elástico - simple onda

Cuerpo EPDM. Bridas DIN PN-10 zincadas.
Presión de trabajo. Máx.: 10 kgs/cm² temp: -10°C +105°C.

Rubber expansion - joint-single wave

Body: EPDM. zinc plated DIN PN 10 flanges.
Max. Working pressure: 10 kg/cm². Temp. -10°C +105°C.

DN	P	L	D	D1
32	40	95	140	69
40	40	95	150	69
50	52	105	165	86
65	68	115	185	106
80	76	130	200	116
100	103	135	220	150
125	128	170	250	180
150	152	180	285	209
200	194	205	340	260
250	250	240	395	320
300	300	260	445	367
350	320	255	505	408
400	372	255	565	472
450	415	255	615	522
500	454	255	670	570



2831 07	1 1/4"	2,860
2831 08	1 1/2"	3,240
2831 09	2"	4,100
2831 10	2 1/2"	4,870
2831 11	3"	6,200
2831 12	4"	6,800
2831 13	5"	9,500
2831 14	6"	12,400
2831 16	8"	16,860
2831 18	10"	21,200
2831 20	12"	28,100
2831 22	14"	36,700
2831 24	16"	44,400
2831 26	18"	46,800
2831 28	20"	59,000

2831A



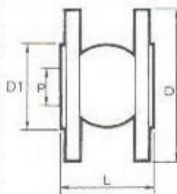
Manguito elástico bridas

Cuerpo EPDM. Bridas ANSI 150 lbs zincadas.
Presión de trabajo máx.: 10 kgs/cm². temp: -10°C +105°C.

Rubber expansion joint

Body: EPDM. Zinc plated ANSI 150 lbs flanges.
Max. working pressure: 10 kgs/cm². Temp.: -10°C + 105°C.

MED.	P	L	D	D1
1 1/4"	40	95	117,5	69
1 1/2"	40	95	127	69
2"	52	105	152,4	86
2 1/2"	68	115	177,8	106
3"	76	130	190,5	116
4"	103	135	228,6	150
5"	128	170	254	180
6"	152	180	279,4	209
8"	194	205	342,9	260
10"	250	240	406,4	320
12"	300	260	482,6	367
14"	320	255	533,4	408
16"	372	255	596,9	472
18"	415	255	635	522
20"	454	255	698,5	570



2831A 07	1 1/4"	2,460
2831A 08	1 1/2"	2,800
2831A 09	2"	3,900
2831A 10	2 1/2"	4,770
2831A 11	3"	5,920
2831A 12	4"	7,260
2831A 13	5"	9,200
2831A 14	6"	11,780
2831A 16	8"	17,400
2831A 18	10"	24,760
2831A 20	12"	33,700
2831A 22	14"	45,900
2831A 24	16"	53,000
2831A 26	18"	55,420
2831A 28	20"	68,800

2833



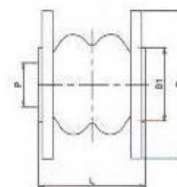
Manguito elástico - doble onda EPDM

Cuerpo EPDM. Bridas DIN PN-10 zincadas.
Presión trabajo max: 10 kg/cm². Temp: -10°C + 105°C.

Rubber expansion joint-double wave EPDM

Body: EPDM, zinc plated DIN 10 flanges.
Max. working pressure: 10 kgs/cm². Temp.: -10°C + 105°C.

DN	P	L	D	D1
50	52	175	165	86
65	68	175	185	106
80	76	175	200	116
100	103	225	220	150
125	128	225	250	180
150	152	225	285	209



2833 09	2"	4,650
2833 10	2 1/2"	6,150
2833 11	3"	6,600
2833 12	4"	7,050
2833 13	5"	9,700
2833 14	6"	13,400
2833 16	8"	18,900
2833 18	10"	23,150
2833 20	12"	30,050

2834

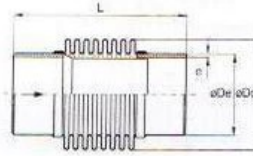


Junta de expansión metálica con camisa interior
Extremos soldar, PN-10. Fuelle acero inox. AISI 304.
Camisa interior acero inox. AISI 304. Extremos acero inox. AISI 304
Temp. máx.: 300°C.

Metal expansion joint with internal liner

Welded ends, PN-10. Internal liner bellows: stainless steel AISI 304
Stainless steel aisi 304 ends. Max. temp. 300 °C

MED.	L	Do	De	e
1 1/2"	200	52	48,3	2,6
2"	275	69	60,3	2,9
2 1/2"	275	88	76,1	2,9
3"	275	107	88,9	3,2
4"	300	140	114,3	3,6
5"	300	167	139,7	4
6"	350	199	168,3	4,5
8"	350	266	219,1	5,9



2834 08	1 1/2"	0,800
2834 09	2"	1,400
2834 10	2 1/2"	1,700
2834 11	3"	1,800
2834 12	4"	3,700
2834 13	5"	4,400
2834 14	6"	7,200
2834 16	8"	11,600

2835

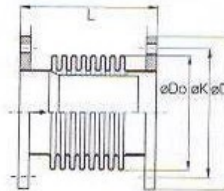


Junta de expansión metálica con camisa interior
Extremos bridas DIN PN-16.. Fuelle acero inox. AISI 304.
Camisa interior acero inox. AISI 304.
Extremos bridas en acero carbono.
Presión máx. trabajo: 16 kg/cm². Temp. máx.: 300°C.

Metal expansion joint with internal liner

Flanged ends DIN PN-16. Internal liner, bellows and ends:
stainless steel AISI 304. Max. working pressure: 16 kg/cm².
Max. temp. 300°C.

DN	L	Do	K	D
25	150	45	85	115
32	150	45	100	140
40	150	45	110	150
50	150	69	125	165
65	150	88	145	185
80	150	107	160	200
100	150	140	180	220
125	150	167	210	250
150	200	199	240	285
200	200	266	295	340



2835 06	1"	2,500
2835 07	1 1/4"	3,500
2835 08	1 1/2"	4,000
2835 09	2"	7,150
2835 10	2 1/2"	8,950
2835 11	3"	9,800
2835 12	4"	12,650
2835 13	5"	18,450
2835 14	6"	24,350
2835 16	8"	28,900

2835A

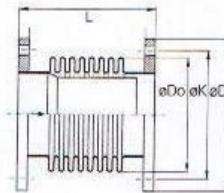


Junta de expansión metálica con camisa interior
Extremos bridas ANSI 150lbs. Fuelle acero INOX. AISI 304.
Camisa interior acero inox. AISI 304. Extremos bridas en
acero carbono. Presión máx. trabajo: 19 kg/cm². Temp. máx.: 300°C

Metal expansion joint with internal liner

Flanged ends carbon plated steel ANSI 150 lbs.
Internal liner bellows: stainless steel AISI 304
Max. working pressure: 19 kg/cm². Max. temp. 300°C.

DN	L	Do	K	D
2"	150	69	120,6	152,4
2 1/2"	150	88	139,7	177,8
3"	150	107	152,4	190,5
4"	150	140	190,5	228,6
5"	150	167	215,4	254
6"	200	199	241,3	279,4
8"	200	266	298,4	342,9



2835A 09	2"	9,450
2835A 10	2 1/2"	11,350
2835A 11	3"	12,800
2835A 12	4"	17,050
2835A 13	5"	28,850
2835A 14	6"	32,500
2835A 16	8"	36,700

REFERENCIA Y FIGURA
REFERENCE AND FIGURE

DESCRIPCIÓN Y DIMENSIONES
DESCRIPTION AND DIMENSIONS

CÓDIGO MEDIDA PESO CAJA / BO
CODE SIZE WEIGHT CARTON

2848

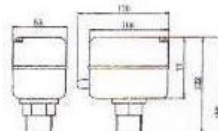


Controlador de flujo (líquidos)

Caja aleación aluminio galvanizado. Racor latón lengüetas en
acero inox. para tuberías de 1" a 8". Conexión rosca gas 1".
Temp. máx. 110°C. Presión máx. 10 bar. 220 V, 10 A.
Protección IP-64.

Liquid flow switch

Galvanized aluminium alloyed box. Brass connector.
Blade: stainless steel for pipe from 1" to 8".
Thread gas connection 1". Max temp. 110°C.
Max. pressure 10 bar. 220 V, 10 A. Protection: IP - 64.



2848 06	1"	0,800	1-10
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