

Ball Valves

Type 15070, Type 15071 - Ball Valve full bore



3-Piece-Ball Valve

Stainless steel body and topwork, carbon steel handle

"live loaded" gland packing

Part No. 15070.X.0000

Socket weld connection for stainless steel pipes acc. to ISO 1127

Part No. 15071.X.0000

Butt weld connection for stainless steel pipes acc. to ISO 1127

Available options - on request only:

- End connection for pipes acc. to ASTM A312 S10/S40
- Stainless steel lockable handle
- With pneumatic actuator
- With upstream pressure relief hole
- ATEX Ex II 2GD

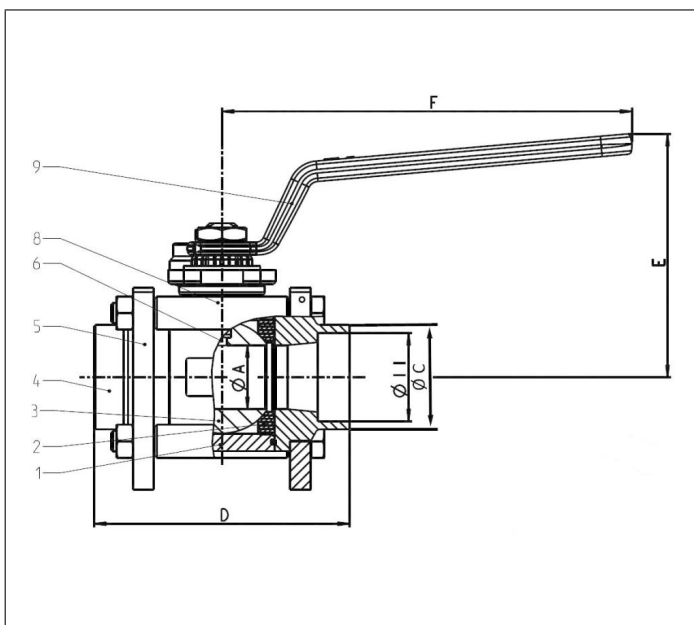


Applications:

Approved for air gases, vapours and gases.

Working temperature: -50°C / -58°F (223K) up to +190°C / +374°F (463K)

Materials	DIN EN	ASTM
1 Body	1.4409	CF3M (316L)
2 Ball seat	TFM 1600	
3 Ball	1.4409	CF3M (316L)
4 Fitting	1.4404	316L
5 Flange	1.4306	304L
6 Stem	1.4404	316L
8 Gland packing up to DN50	33% C + 2% Gr PTFE	
8a Gland packing from DN65	PTFE	
9 Lever	1.1181	1035



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 15070, 15071	Technical data													
Nominal size	DN	8	12	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0813	1217	1521	2026	2533	3242	4048	5060	6576	8088	0114	0141	0168
Nominal pressure	PN	100	100	100	100	70	70	50	50	40	40	25	25	16
Face-to-face dimension	D	65	65	70	80	100	110	125	150	180	210	230	260	290
Height	E	70	70	73	91	95	111	116	137	171	182	204	246	270
Outside pipe-Ø ISO 1127	Ø C	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3
Wall thickness pipe ISO 1127	a	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.9	2.9	2.9	3.2	3.0	3.0
Pipe diameter SW	Ø I1	14.3	17.8	21.9	27.3	34.0	42.8	48.9	61.3	77.6	89.9	115.5	141.3	171.3
Orifice	Ø A	11.1	11.1	14.0	19.0	25.0	32.0	38.0	50.0	64.0	76.0	100.0	125.0	150.0
Length	F	120	120	120	160	160	190	190	230	370	440	505	710	710
Weight	ca. kg	0.65	0.65	0.81	1.61	2.11	3.32	4.27	8.64	14.89	22.75	34.35	57.12	80.04
Kvs-Value	m ³ /h	6.0	8.0	13.0	26.0	46.0	82.0	120.0	223.0	423.0	617.0	1154.0	1883.0	2844.0
Cv-Value	gal/min	6.9	9.2	15.0	30.0	53.2	94.8	138.7	257.8	489.0	713.3	1334.0	2176.7	3287.6

Dimensions in mm.

JUSTIN GORAZD s.p.-ATIS
Levstikova ulica 24, 4226 Žiri

Tel.:04 510 5530
Fax:04 510 5531

E-mail: atis@armature.si
WWW: www.armature.si

Ball Valves

Type 15085, Type 15086 - Ball Valve reduced bore



Cryogenic-3-Piece-Ball Valve

Stainless steel body and topwork,
"live loaded" gland packing
"cleaned and degreased for oxygen service"
with upstream pressure relief hole
Marking acc. to EN 1626

Part No. 15085.X.0000

Socket weld connection for stainless steel pipes acc. to ISO 1127

Part No. 15086.X.0000

Butt weld connection for stainless steel pipes acc. to ISO 1127

Available options - on request only:

- End connection for pipes acc. to ASTM A312 S10/S40
- Female thread connection NPT acc. to ANSI B 1.20.1 (**Part No. 15087**)
- Female thread connection G (BSPP) acc. to ISO 228/1 (**Part No. 15088**)
- Stainless steel lockable handle
- With pneumatic actuator
- ATEX Ex II 2GD



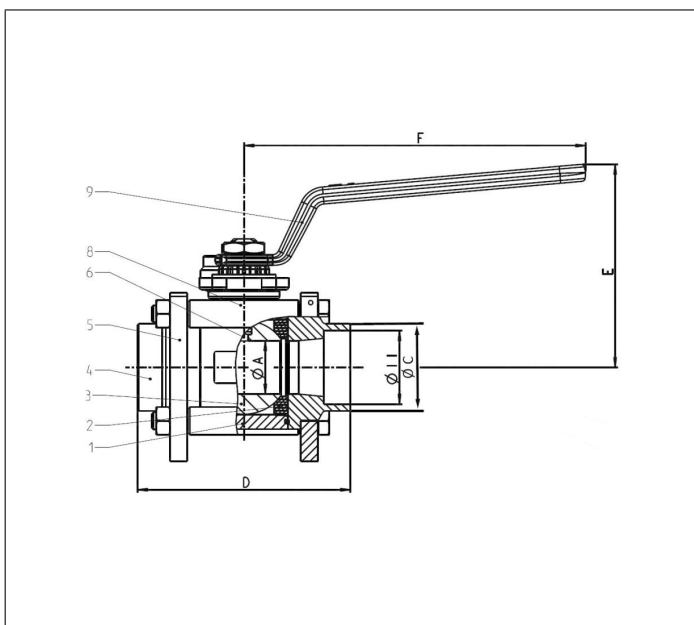
Applications:

Approved for air gases, vapours and cryogenic liquefied gases.

Working temperature: -50°C / -58°F (223K) up to +190°C / +374°F (463K)

Materials	DIN EN	ASTM
1 Body	1.4409	CF3M (316L)
2 Ball seat	PTFE / Carbon filled (25%)	
3 Ball	1.4409	CF3M (316L)
4 Fitting	1.4404	316L
5 Flange	1.4306	304L
6 Stem	1.4404	316L
8 Gland packing up to DN50	33% C + 2% Gr PTFE	
8a Gland packing from DN65	PTFE	
9 Lever	1.1181	1035

Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 15085, 15086	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	1521	2026	2533	3242	4048	5060	6576	8088	0114	0141	0168
Nominal pressure	PN	100	100	100	70	70	50	50	40	40	25	25
Face-to-face dimension	D	65	70	85	100	110	125	150	180	210	230	260
Height	E	70	73	91	95	111	116	137	171	182	204	248
Outside pipe-Ø ISO 1127	Ø C	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3
Wall thickness pipe ISO 1127	a	2.0	2.0	2.0	2.6	2.6	2.9	2.9	2.9	3.2	3.0	3.0
Pipe diameter SW	Ø I1	21.9	27.3	34.0	42.8	48.9	61.3	77.6	89.9	115.5	141.3	171.3
Orifice	Ø A	11.1	14.0	19.0	25.0	32.0	38.0	50.0	64.0	76.0	100.0	125.0
Length	F	120	160	160	190	190	230	370	440	505	710	710
Weight	ca. kg	0.65	0.80	1.61	2.10	3.12	4.30	8.59	14.84	22.31	33.98	57.94
Kvs-Value	m³/h	8.0	13.0	26.0	46.0	82.0	120.0	223.0	397.0	560.0	942.0	1433.0
Cv-Value	gal/min	9.2	15.0	30.0	53.2	94.8	138.7	257.8	489.0	713.3	1083.3	1648.0

Dimensions in mm.

JUSTIN GORAZD s.p.-ATIS
Levstikova ulica 24, 4226 Žiri

Tel.:04 510 5530
Fax:04 510 5531

E-mail: atis@armature.si
WWW: www.armature.si

Ball Valves

Type 15082, Type 15083 - Ball Valve full bore



Cryogenic-3-Piece-Ball Valve

Stainless steel body and topwork,
 "live loaded" gland packing
 "cleaned and degreased for oxygen service"
 with upstream pressure relief hole
 Marking acc. to EN 1626

Part No. 15082.X.0000

Female thread NPT acc. to ANSI B 1.20.1

Part No. 15083.X.0000

Female thread G (BSPP) acc. to ISO 228/1

Available options - on request only:

- Stainless steel lockable handle
- With pneumatic actuator
- ATEX Ex II 2GD

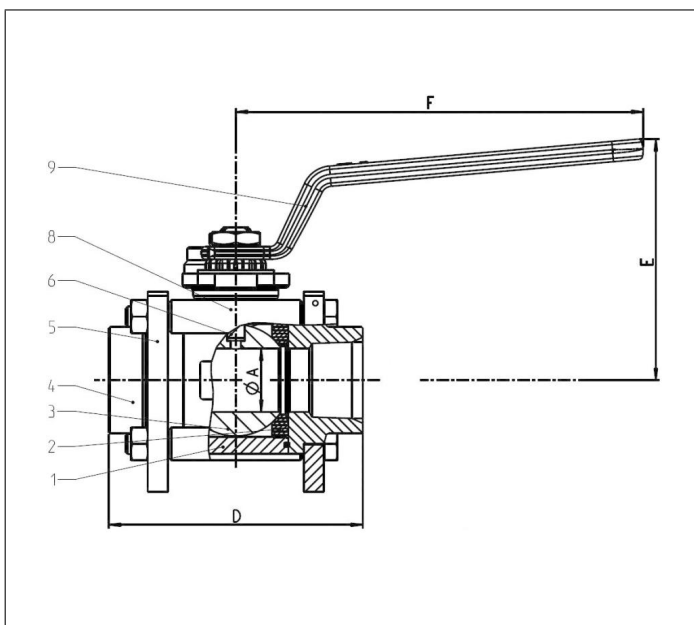


Applications:

Approved for air gases, vapours and cryogenic liquefied gases.

Working temperature: -50°C / -58°F (223K) up to +190°C / +374°F (463K)

Materials	DIN EN	ASTM
1 Body	1.4409	CF3M (316L)
2 Ball seat	PTFE / Carbon filled (25%)	
3 Ball	1.4409	CF3M (316L)
4 Fitting	1.4404	316L
5 Flange	1.4306	304L
6 Stem	1.4404	316L
8 Gland packing up to DN50	33% C + 2% Gr PTFE	
8a Gland packing from DN65	PTFE	
9 Lever	1.1181	1035



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 15082, 15083	Technical data											
Nominal size	DN	8	12	15	20	25	32	40	50	65	80	100
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000	2400	3000	4000
BSPP / NPT	thread	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Nominal pressure	PN	100	100	100	100	70	70	50	50	40	40	25
Face-to-face dimension	D	65	65	70	85	100	110	125	150	180	210	230
Height	E	70	70	73	91	95	111	116	137	171	182	204
Orifice	Ø A	11.1	11.1	14.0	19.0	25.0	32.0	38.0	50.0	64.0	76.0	100.0
Length	F	120	120	120	160	160	190	190	230	370	440	505
Weight	ca. kg	0.70	0.70	0.98	1.69	2.12	3.32	4.38	8.84	15.0	22.95	34.74
Kvs-Value	m³/h	6.0	8.0	13.0	26.0	46.0	82.0	120.0	223.0	423.0	617.0	1154.0
Cv-Value	gal/min	6.9	9.2	15.0	30.0	53.2	94.8	138.7	257.8	489.0	713.3	1334.0

Dimensions in mm.

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 Fax: 04 510 5531

E-mail: atis@armature.si
 WWW: www.armature.si

Ball Valves

Type 15080, Type 15081 - Ball Valve full bore



Cryogenic-3-Piece-Ball Valve

Stainless steel body and topwork,
 "live loaded" gland packing
 "cleaned and degreased for oxygen service"
 with upstream pressure relief hole
 Marking acc. to EN 1626

Part No. 15080.X.0000

Socket weld connection for stainless steel pipes acc. to ISO 1127

Part No. 15081.X.0000

Butt weld connection for stainless steel pipes acc. to ISO 1127

Available options - on request only:

- End connection for pipes acc. to ASTM A312 S10/S40
- Stainless steel lockable handle
- With pneumatic actuator
- ATEX Ex II 2GD

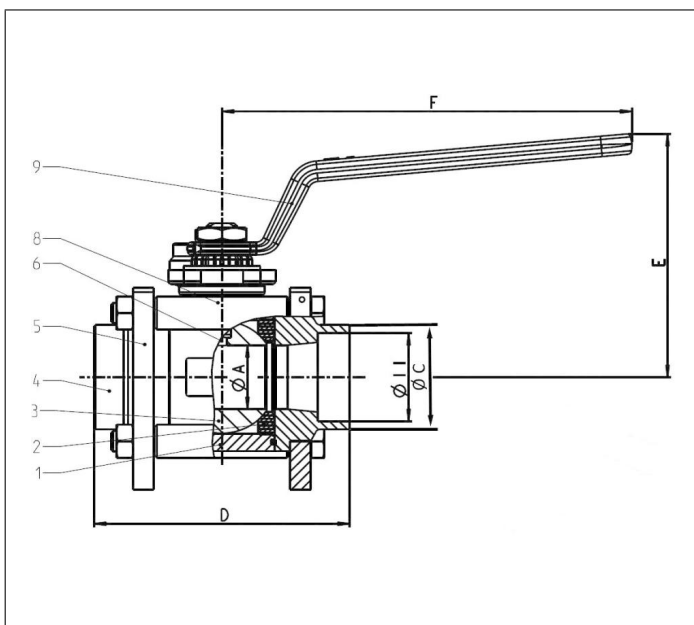


Applications:

Approved for air gases, vapours and cryogenic liquefied gases.

Working temperature: -50°C / -58°F (223K) up to +190°C / +374°F (463K)

Materials	DIN EN	ASTM
1 Body	1.4409	CF3M (316L)
2 Ball seat	PTFE / Carbon filled (25%)	
3 Ball	1.4409	CF3M (316L)
4 Fitting	1.4404	316L
5 Flange	1.4306	304L
6 Stem	1.4404	316L
8 Gland packing up to DN50	33% C + 2% Gr PTFE	
8a Gland packing from DN65	PTFE	
9 Lever	1.1181	1035



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 15080, 15081	Technical data													
Nominal size	DN	8	12	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0813	1217	1521	2026	2533	3242	4048	5060	6576	8088	0114	0141	0168
Nominal pressure	PN	100	100	100	100	100	70	50	50	40	40	25	25	16
Face-to-face dimension	D	65	65	70	80	100	110	125	150	180	210	230	260	290
Height	E	70	70	73	91	95	111	116	137	171	182	204	246	270
Outside pipe-Ø ISO 1127	Ø C	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3
Wall thickness pipe ISO 1127	a	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.9	2.9	2.9	3.2	3.0	3.0
Pipe diameter SW	Ø I1	14.3	17.8	21.9	27.3	34.0	42.8	48.9	61.3	77.6	89.9	115.5	141.3	171.3
Orifice	Ø A	11.1	11.1	14.0	19.0	25.0	32.0	38.0	50.0	64.0	76.0	100.0	125.0	150.0
Length	F	120	120	120	160	160	190	190	230	370	440	505	710	710
Weight	ca. kg	0.65	0.65	0.81	1.61	2.11	3.32	4.27	8.64	14.89	22.75	34.35	57.12	80.04
Kvs-Value	m³/h	6.0	8.0	13.0	26.0	46.0	82.0	120.0	223.0	423.0	617.0	1154.0	1883.0	2844.0
Cv-Value	gal/min	6.9	9.2	15.0	30.0	53.2	94.8	138.7	257.8	489.0	713.3	1334.0	2176.7	3287.6

Dimensions in mm.

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 Fax:04 510 5531

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 WWW: www.armature.si

Ball Valves

Type 15072, Type 15073 - Ball Valve full bore



3-Piece-Ball Valve

Stainless steel body and topwork, carbon steel handle

"live loaded" gland packing

Part No. 15072.X.0000

Female thread NPT acc. to ANSI B 1.20.1

Part No. 15073.X.0000

Female thread G (BSPP) acc. to ISO 228/1

Available options - on request only:

- Stainless steel lockable handle
- With pneumatic actuator
- With upstream pressure relief hole
- ATEX Ex II 2GD

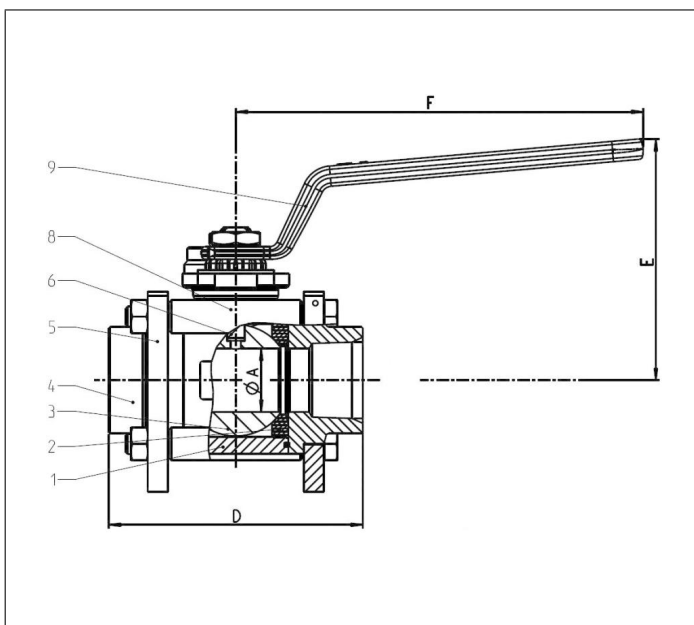


Applications:

Approved for air gases, vapours and gases.

Working temperature: -50°C / -58°F (223K) up to +190°C / +374°F (463K)

Materials	DIN EN	ASTM
1 Body	1.4409	CF3M (316L)
2 Ball seat	TFM 1600	
3 Ball	1.4409	CF3M (316L)
4 Fitting	1.4404	316L
5 Flange	1.4306	304L
6 Stem	1.4404	316L
8 Gland packing up to DN50	33% C + 2% Gr PTFE	
8a Gland packing from DN65	PTFE	
9 Lever	1.1181	1035



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 15072, 15073	Technical data											
Nominal size	DN	8	12	15	20	25	32	40	50	65	80	100
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000	2400	3000	4000
BSPP / NPT	thread	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Nominal pressure	PN	100	100	100	100	70	70	50	50	40	40	25
Face-to-face dimension	D	65	65	70	85	100	110	125	150	180	210	230
Height	E	70	70	73	91	95	111	116	137	171	182	204
Orifice	Ø A	11.1	11.1	14.0	19.0	25.0	32.0	38.0	50.0	64.0	76.0	100.0
Length	F	120	120	120	160	160	190	190	230	370	440	505
Weight	ca. kg	0.70	0.70	0.98	1.69	2.12	3.32	4.38	8.84	15.0	22.95	34.74
Kvs-Value	m³/h	6.0	8.0	13.0	26.0	46.0	82.0	120.0	223.0	423.0	617.0	1154.0
Cv-Value	gal/min	6.9	9.2	15.0	30.0	53.2	94.8	138.7	257.8	489.0	713.3	1334.0

Dimensions in mm.

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