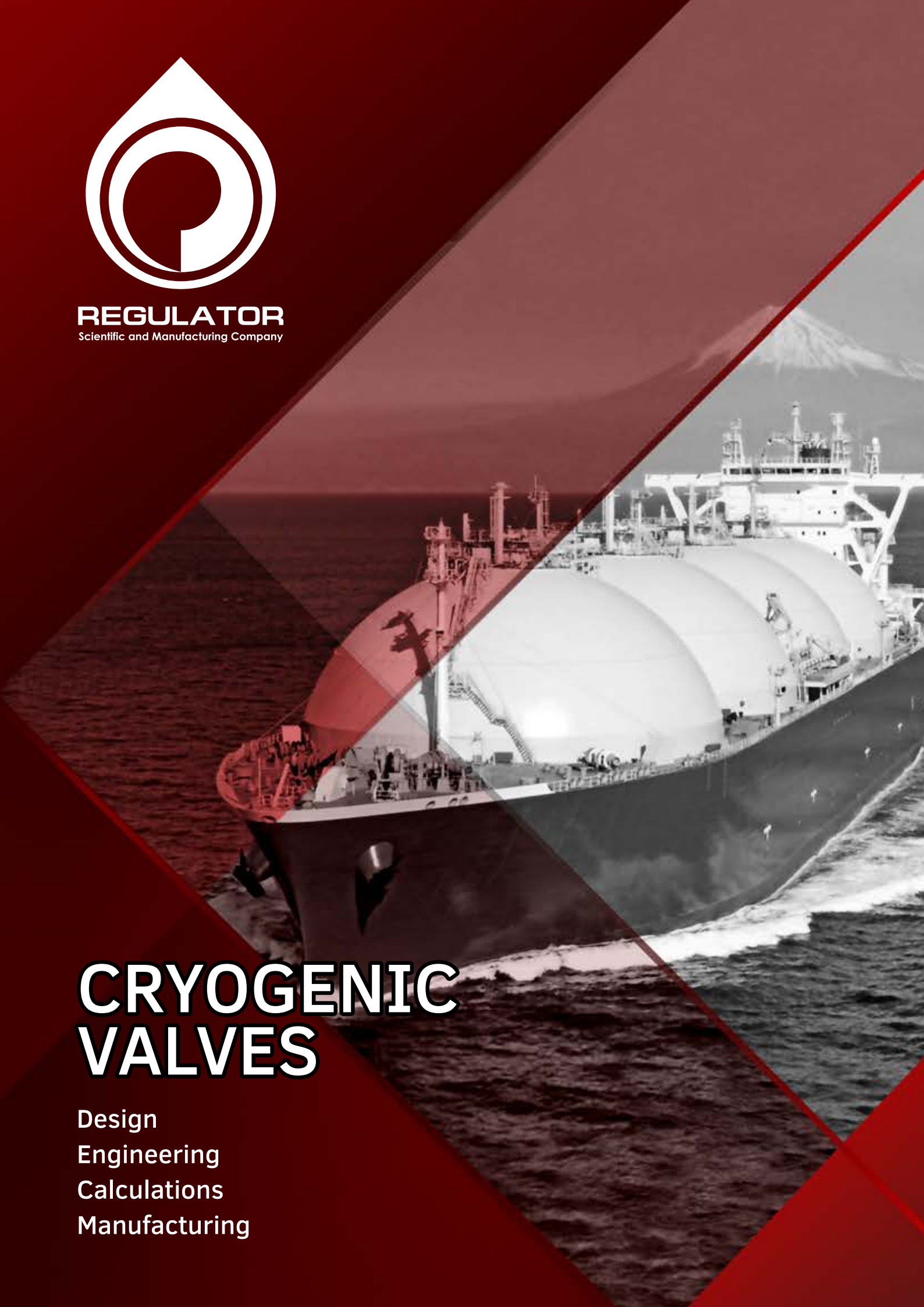
REGULATOR
Scientific and Manufacturing Company



CRYOGENIC VALVES

Design
Engineering
Calculations
Manufacturing

ABOUT US

REGULATOR
Scientific and Manufacturing Company

REGULATOR CJSC is a modern developing scientific production complex which performs several types of activities: general piping fittings, Gazprom valves under the company standards, Transneft JSC valves under the general specifications, and cryogenic valves. The manufacturing nomenclature includes shut-off, control, cut-off, shut-off & control and safety valves.

Development of design documents is performed by the company itself or in cooperation with the Research and Development Institute. The company has Engineering Department of more than 40 employees. It provides continuous training of engineering manpower in Russian and foreign training centers.

The motto of the company is the constant search of know-how, innovation implementation and paying special attention to continuous research and technology scientific and technical development.

REGULATOR CJSC is a member of the European Committee on Industrial valves which unites 25 national fitting associations of EUROPE – SEIR. This allows the company to keep pace with the global fitting leaders and correspond to modern international standards. The company has been a member of the Scientific & Industrial Valve Manufacturers Association (NPAA) since April, 2013.

In 2015, the company launched serial production of cryogenic shut-off, control and safety valves. These items are used for manufacturing and delivery of LPG and LNG. REGULATOR CJSC is one of the three Russian manufacturers producing these items.

The valves can be used under the most difficult running conditions:

1. Radioactive environments
2. Corrosive environments
3. High temperatures
4. Low and extra-low temperatures
5. Toxic environments

Depending on the intended use, the products are manufactured of different materials: carbon steel, stainless steel, cold-proof steel, molybdenum steel and other kinds of highly alloyed steels. The production goes through the whole technological cycle from raw materials to assembly, testing and quality control of ready-made items.

The products manufactured are certified and have all the necessary licenses. The quality management system has been certified for compliance with ISO 9001.

Safety valves with popping unit of AMK213 Series

SUMMARY

Angle-type cryogenic safety valve, PN63
Full-lift safety valve with fluoroplastic sealing of the seat, of closed type, with popping unit, cleaned and degreased for operation in the oxygen environment.

APPLICATION

Used for protection from overpressure in stationary and mobile gas devices and pressure tanks. Intended for use in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

OPERATING TEMPERATURE

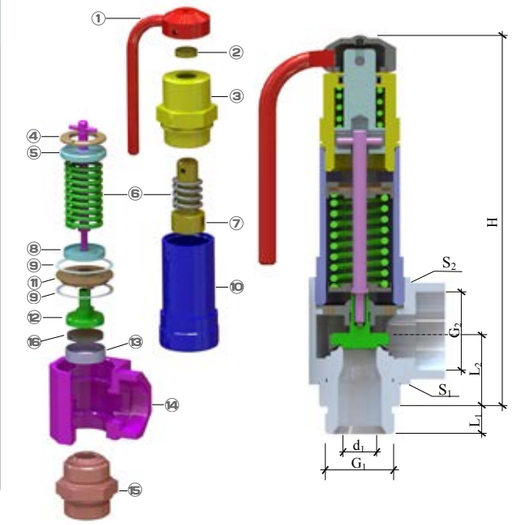
from - 196°C to +185°C.

IMPORTANT NOTICE

When supplied, the valves are set up at a definite opening pressure. When ordering, please, indicate the required opening pressure, working media and temperature.

NOMENCLATURE: AMK213.X.

Name:	Materials:
1. Handle of the popping unit	Austenitic steel
2. Sealing	Fluoroplastic
3. Cover	Austenitic steel
4. Threaded ring	Austenitic steel
5. Tuning ring	Austenitic steel
6. Spring	Austenitic steel
7. Pivot	Austenitic steel
8. Spring support	Austenitic steel
9. Gasket	Fluoroplastic
10. Sleeve	Austenitic steel
11. Slide rail	Austenitic steel
12. Slide valve	Austenitic steel
13. Ring	Austenitic steel
14. Body	Austenitic steel
15. Seat	Austenitic steel
16. Seat sealing	Fluoroplastic



FEATURES

Inlet nozzle size	G1	1/2	3/4	1/2	3/4	1	1-1/4	1-1/2	2
Nominal width	d0	7.0	7.0	10.5	10.5	15.0	23.0	23.0	23.0
Dimensional code	.X.	0705	0707	1005	1007	1510	2513	2515	2520
Installed opening pressure	bar	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63
Outlet nozzle size	G2	1	1	1	1	1-1/4	2	2	2
Size	H	175	175	175	175	194	270	270	270
Size	L1	14	16	14	16	18	20	20	25
Size	L2	36	36	36	36	42	56	56	54
Width across flat	S1	30	30	30	30	41	55	55	65
Width across flat	S2	41	41	41	41	50	70	70	70
Flow coefficient	αw	0.82	0.82	0.58	0.58	0.5	0.62	0.62	0.62

The values are given in millimeters

Safety valves without popping unit of AMK214 Series

SUMMARY

Angle-type cryogenic safety valve, PN63
Full-lift safety valve with fluoroplastic sealing of the seat, of closed type, cleaned and degreased for operation in the oxygen environment

APPLICATION

Used for protection from overpressure in stationary and mobile gas devices and pressure tanks. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

OPERATING TEMPERATURE

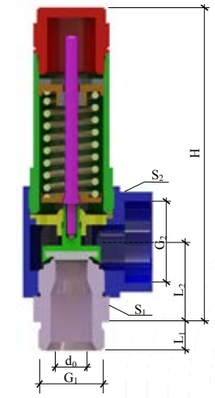
from - 196°C to +185°C.

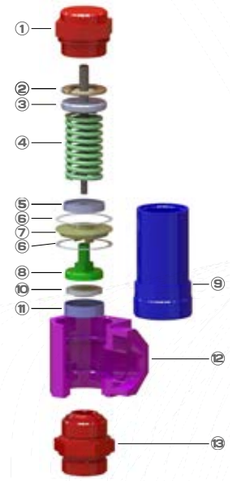
IMPORTANT NOTICE

When supplied, the valves are set up at a definite opening pressure. When ordering, please, indicate the required opening pressure, working media and temperature.

NOMENCLATURE: AMK214.X.

Name:	Materials:
1. Cover	Austenitic steel
2. Threaded ring	Austenitic steel
3. Tuning ring	Austenitic steel
4. Spring	Austenitic steel
5. Spring support	Austenitic steel
6. Gasket	Fluoroplastic
7. Slide rail	Austenitic steel
8. Slide valve	Austenitic steel
9. Sleeve	Austenitic steel
10. Sealing	Fluoroplastic
11. Ring	Austenitic steel
12. Body	Austenitic steel
13. Seating	Austenitic steel





FEATURES

Inlet nozzle size	G1	1/2	3/4	1/2	3/4	1	1-1/4	1-1/2	2
Nominal width	d0	7.0	7.0	10.5	10.5	14.0	23.0	23.0	23.0
Dimensional code	.X.	0705	0707	1005	1007	1410	2513	2515	2520
Installed opening pressure	bar	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63	6.0-63
Outlet nozzle size	G2	1	1	1	1	1-1/4	2	2	2
Size	H	140	140	140	140	159	218	218	218
Size	L1	14	16	14	16	18	20	20	25
Size	L2	36.5	36.5	36.5	34.5	44	51.5	52	52
Width across flat	S1	30	30	30	30	41	55	55	65
Width across flat	S2	41	41	41	41	50	70	70	70
Flow coefficient	αw	0.82	0.82	0.58	0.58 1	0.5	0.62	0.62	0.62

The values are given in millimeters

Control Valves of AMK332, MK338 Series and Pneumatically Driven Shut-Off & Control Valves of AMK328, AMK334 Series

SUMMARY

Cryogenic shut-off and control valve, PN63
Body and main components are made of stainless steel, shaft gland sealing, cleaned and degreased for operation in the oxygen environment.
Available options: construction length + 200 mm; E size increase by 100mm.

APPLICATION

Used for regulating working media flow. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas..

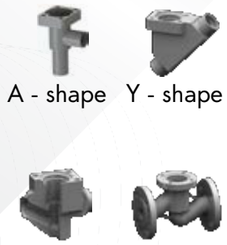
OPERATING TEMPERATURE from - 196°C to +185°C.

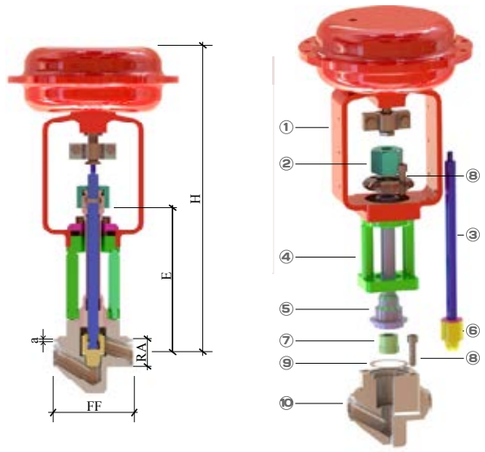
NOMENCLATURE:

Shut-Off and Control Valves:
AMK328.X.Y
AMK328.X.S
AMK328.X.F
AMK334.X.A

Control Valves:
AMK332.X.Y
AMK332.X.S
AMK332.X.F
AMK338.X.A

Name:	Materials:
1. Drive support	Structural steel
2. Gland nut	Structural steel
3. Tuning ring	Austenitic steel
4. Drive support	Austenitic steel
5. Thermal bridge	Austenitic steel
6. Slide valve	Austenitic steel
7. Sliding plug	Austenitic steel
8. Screw	Austenitic steel
9. Gasket	Fluoroplastic
10. Body	Austenitic steel





FEATURES

Nominal diameter	DN	15	20	25	32	40	50	65	80	100
Dimensional code	.X.	1521	2026	2533	3238	4048	5060	657x	8088	0114
Face-to-face dimensions	FF	85	100	115	115	130	155	205	245	280
Size	H	Depending on drive type								
Size	E	195	200	200	230	230	235	300	300	300
Outer pipe diameter ISO1127	RA	21.3	26.9	33.7	38.0	48.3	60.3	76.1	88.9	114.3
Pipe thickness ISO1127	a	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.2	6.0

The values are given in millimeters

Manual Shut-Off Valves of AMK330, AMK336 Series

SUMMARY

Cryogenic shut-off valve, PN63
Body and main components are made of stainless steel, cleaned and degreased for operation in the oxygen environment.
Available options: construction length + 200 mm; H size increase by 100mm.

APPLICATION

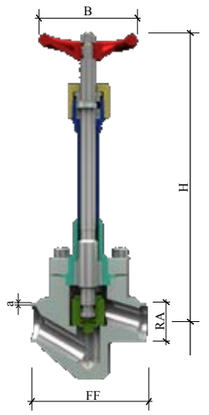
Used for regulating working media flow. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

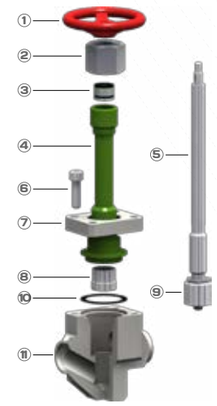
OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE:

AMK330.X.Y
AMK330.X.S
AMK330.X.F
AMK336.X.A

Name:	Materials:
1. Handwheel	Aluminium
2. Nut	Austenitic steel
3. Gland packing	Fluoroplastic
4. Thermal bridge	Austenitic steel
5. Spindle	Austenitic steel
6. Screw	Austenitic steel
7. Flange	Austenitic steel
8. Plug	Bronze
9. Slide valve	Austenitic steel + Fluoroplastic
10. Gasket	Fluoroplastic
11. Body	Austenitic steel





FEATURES

Nominal diameter	DN	10	15	15	20	25	32	40	40	50	65	80	100	150
Dimensional code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060	657x	8088	0114	0168
Face-to-face dimensions	FF	70	85	85	100	115	115	130	130	155	205	245	280	400
Size	H	270mm or 370mm									400	400	400	420
Outer pipe diameter ISO1127	RA	12.0	17.2	21.3	26.9	33.7	38.0	42.4	48.3	60.3	76.1	88.9	114.3	168.3
Pipe thickness ISO1127	a	1.0	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.2	6.0	7.1
Handwheel diameter	B	100	100	100	100	100	125	125	125	125	200	250	315	360
Kvs	m3/h	1.6	3.8	4.3	6.7	11.5	14.0	20.6	22.6	37.1	71.1	104.0	170.0	350.0

The values are given in millimeters

Manual Shut-Off Bellows Valves of AMK331, AMK337 Series

SUMMARY

Cryogenic shut-off valve, PN63
Body and main components are made of stainless steel, bellows sealing , cleaned and degreased for the operation in the oxygen environment.
Available options: construction length + 200 mm; H size increase by 100mm.

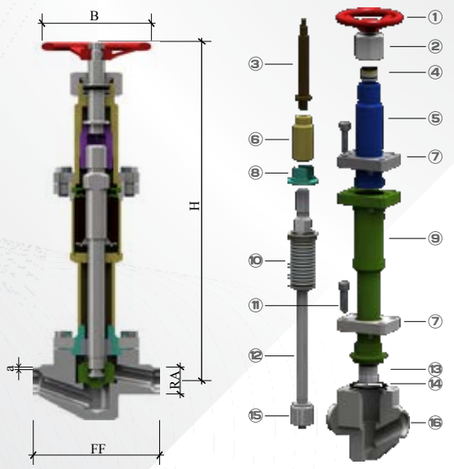
APPLICATION

Used for regulating working media flow. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE:

AMK331.X.Y
AMK331.X.S
AMK331.X.F
AMK337.X.A



Name:	Materials:
1. Handwheel	Aluminium
2. Nut	Austenitic steel
3. Spindle	Austenitic steel
4. Gland packing	Fluoroplastic
5. Gland cover	Austenitic steel
6. Plug	Bronze
7. Flange	Austenitic steel
8. Pressing plug	Austenitic steel
9. Thermal bridge	Austenitic steel
10. Bellows	Austenitic steel
11. Screw	Austenitic steel
12. Shaft	Austenitic steel
13. Sliding plug	Fluoroplastic
14. Gasket	Austenitic steel + Fluoroplastic
15. Slide valve	Austenitic steel
16. Body	

A - shape Y - shape S - shape F – shape

FEATURES

Nominal diameter	DN	10	15	15	20	25	32	40	40	50
Dimensional code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060
Face-to-face dimensions	FF	70	85	85	100	115	115	130	130	155
Size	H	380	380	380	380	380	380	380	380	380
Outer pipe diameter ISO1127	RA	12.0	17.2	21.3	26.9	33.7	38.0	42.4	48.3	60.3
Pipe thickness ISO1127	a	1.0	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Handwheel diameter	B	150	150	150	150	150	150	150	150	150
Kvs	м3/ч	1.6	2.8	4.3	6.7	11.5	14.0	20.6	22.6	37.1

The values are given in millimeters

Back Flow Check Valves of AMK521 Series

SUMMARY

Cryogenic back flow check valve, PN63
Body and cover with the spring are made of stainless steel, opening pressure is 0.1 bar, cleaned and degreased for operation in the oxygen environment.

APPLICATION

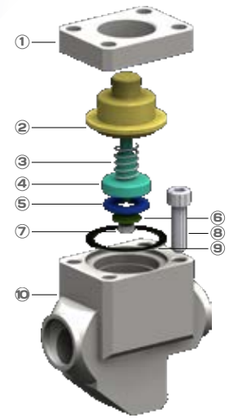
Used for regulating working media flow in technological system. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

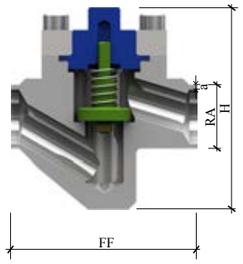
OPERATING TEMPERATURE from - 196°C to +185°C.

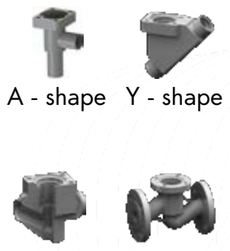
NOMENCLATURE:

AMK521.X.Y
AMK521.X.S
AMK521.X.F
AMK521.X.A

Name:	Materials:
1. Flange	Austenitic steel
2. Cover	Austenitic steel
3. Spring	Austenitic steel
4. Slide valve	Austenitic steel
5. Gate tape	Fluoroplastic
6. Disc	Austenitic steel
7. Nut	Austenitic steel
8. Screw	Austenitic steel
9. Gasket	Fluoroplastic
10. Body	Austenitic steel







A - shape Y - shape S - shape F – shape

FEATURES

Nominal diameter	DN	10	15	15	20	25	32	40	40	50	65	80	100	150
Dimensional code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060	657x	8088	0114	0168
Face-to-face dimensions	FF	70	85	85	100	115	115	130	130	155	205	245	280	400
Size	H	71	71	71	72	75	87	95	95	95	125	150	185	215
Outer pipe diameter ISO1127	RA	12.0	17.2	21.3	26.9	33.7	38.0	42.4	48.3	60.3	76.1	88.9	114.3	168.3
Pipe thickness ISO1127	a	1.0	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.2	6.0	7.1
Kvs	m3/h	1.6	3.8	4.3	6.7	11.5	14.0	20.6	22.6	37.1	71.1	104.0	170.0	350.

The values are given in millimeters

Divertor valves of AMK531 Series

SUMMARY

Cryogenic Divertor valve, PN63
Provides installation of two safety valves, connection with bursting disc, cleaned and degreased for operation in the oxygen environment.
Available options:
-two additional testing connection ¼";
- output GA1 with the clamp for better safety valves positioning;
- combination of different threaded outputs GA1- GA2.

APPLICATION

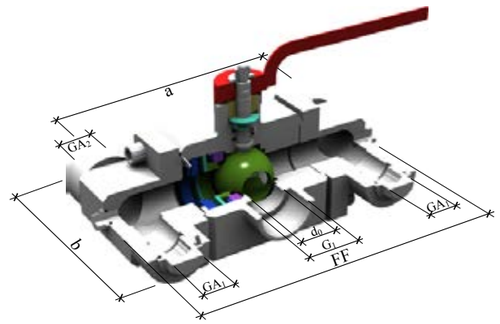
Operates in cryogenic environments in condensed and vaporous condition, including air separation products and natural gas.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE:

AMK531.X.

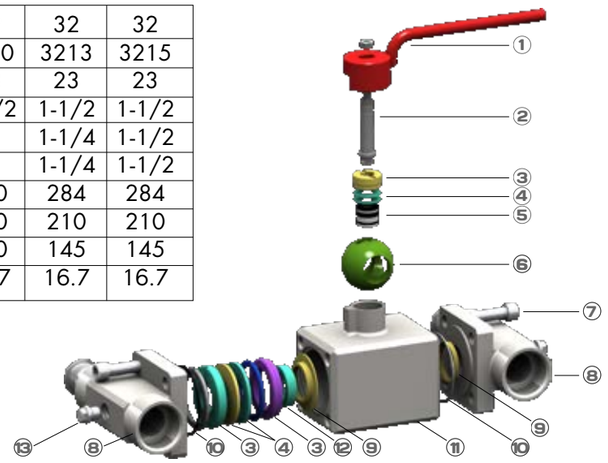
Name:	Materials:
1. Handle	Austenitic steel
2. Spindle	Austenitic steel
3. Threaded ring	Brass
4. Disc spring	Austenitic steel
5. Gland packing	Fluoroplastic +graphite
6. Ball plug	Austenitic steel
7. Screw	Austenitic steel
8. Nozzle	Bronze
9. Seating	Fluoroplastic
10. Tape	Fluoroplastic
11. Body	Bronze
12. Pressing ring	Brass
13. Cap nut	Austenitic steel



FEATURES

Nominal diameter	DN	32	32	32
Dimensional code	.X.	3210	3213	3215
Seating diameter	d0	23	23	23
Inlet	G1	1-1/2	1-1/2	1-1/2
Outlet	GA1	1	1-1/4	1-1/2
Outlet	GA2	1	1-1/4	1-1/2
Size	FF	300	284	284
Size	a	210	210	210
Size	b	110	145	145
Kys	m3/h	16.7	16.7	16.7

The values are given in millimeters



Axial Safety Valves of AMK250 Series

SUMMARY

Axial safety valve, PN40 with fluoroplastic sealing of the seat, cleaned and degreased for operation in the oxygen environment.

APPLICATION

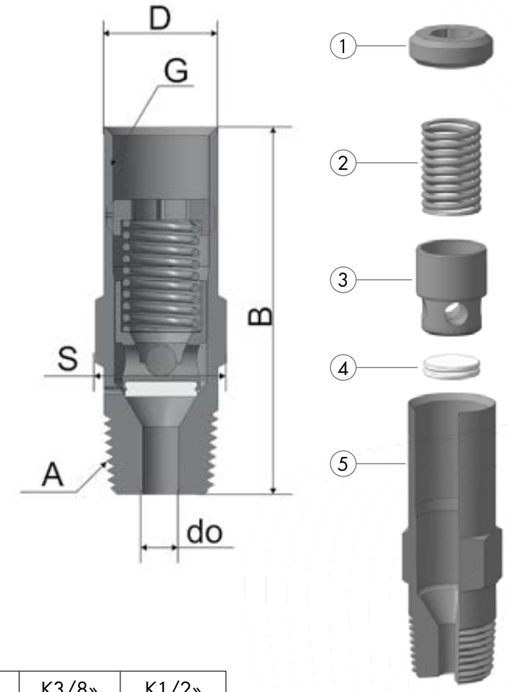
Used for protection from overpressure in stationary and mobile gas devices and pressure tanks. Operates in cryogenic environments in condensed and vaporous conditions, including air separation products and natural gas.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE:

Of stainless steel:
AMK250.7.40.X.5220
Of brass:
AMK250.7.40.X.5260

Name:	Materials:
1. Nut	Brass
2. Spring	Austenitic steel
3. Slide valve	Brass
4. Sealing	Fluoroplastic
5. Body	Brass



FEATURES

Inlet nozzle size	A	K1/4»	K3/8»	K1/2»
Nominal Width	d0	7	7	7
Dimensional code	X	0706	0709	0712
Installed opening pressure	bar	6,3 … 40	6,3 … 40	6,3 … 40
Outlet nozzle size	G	G1/2»	G1/2»	G1/2»
Size	B	71	71	71
Size	D	Ø22	Ø22	Ø22
Width across flat	S	22	22	22
αw-liquid		0,8	0,8	0,8
αw-gas		0,85	0,85	0,85

The values are given in millimeters

Shut-Off Needle Valves of AMK330.6.40 Series

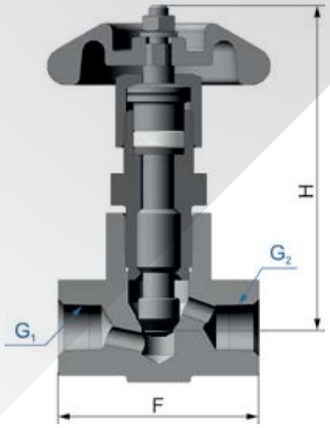
SUMMARY
Cryogenic shut-off valve, PN40 with needle-type plug.
Body and support are made of brass or stainless steel, main components are made of stainless steel, shaft gland sealing. Cleaned and degreased for operation in the oxygen environment.

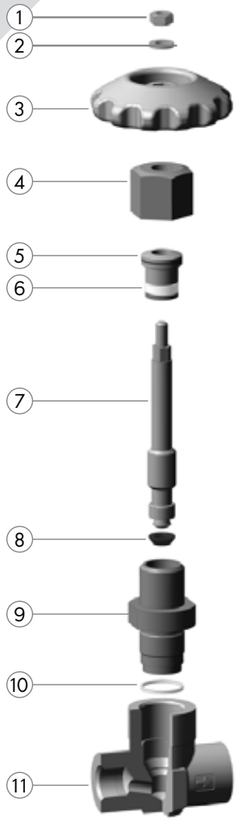
APPLICATION
Used in the equipment with the accurate working media flow regulation.

OPERATING TEMPERATURE
from - 196°C to +185°C.

NOMENCLATURE:

Body and support of stainless steel:
AMK330.6.40.5220.X
Body and support of brass:
AMK330.6.40.5260.X





Name:	Materials:
1. Nut	Austenitic steel
2. Disc	Austenitic steel
3. Handwheel	Aluminium
4. Nut	Brass
5. Pressing plug	Brass
6. Tape	Fluoroplastic
7. Shaft	Austenitic steel
8. Tape	Fluoroplastic
9. Support	Brass
10. Sealing	Fluoroplastic
11. Body	Austenitic steel

FEATURES

Nominal diameter	DN	6								
Dimensional code	X	0606	0609	0612	1606	1609	1612	2606	2609	2612
Face-to-face dimensions	FF	63								
Size H	H	70	70	70	102	102	102	165	165	165
Size	G1	1/4''	3/8''	1/2''	1/4''	3/8''	1/2''	1/4''	3/8''	1/2''
Size	G2	1/4''	3/8''	1/2''	1/4''	3/8''	1/2''	1/4''	3/8''	1/2''

The values are given in millimeters

Pneumatically Driven Cut-Off Bellows Valves of AMK331, AMK337 Series

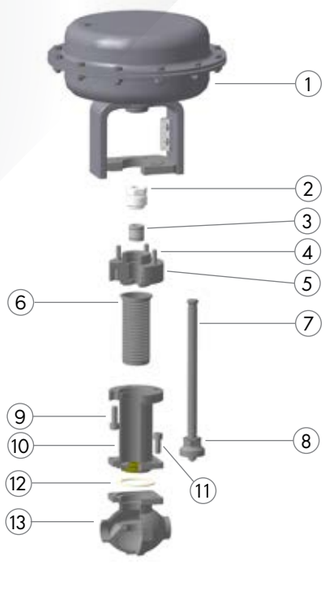
SUMMARY
Cryogenic shut-off valve, PN63
Body and main components are made of stainless steel, bellows shaft sealing, controlled by diaphragm actuator, cleaned and degreased for operation in the oxygen environment.

APPLICATION
Used for fast working media flow cut-off.

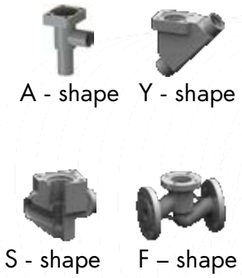
OPERATING TEMPERATURE
from - 196°C to +185°C.

NOMENCLATURE:

Of stainless steel:
AMK331.X.Y
AMK331.X.S
AMK331.X.F
AMK337.X.A



Name:	Materials:
1. Support of the actuator	Austenitic steel
2. Pressing nut	Bronze
3. Gland packing	Fluoroplastic
4. Stud	Austenitic steel
5. Cover	Austenitic steel
6. Bellows	Austenitic steel
7. Shaft	Austenitic steel
8. Slide valve	Austenitic steel
9. Screw	Austenitic steel
10. Thermal bridge	Austenitic steel
11. Screw	Austenitic steel
12. Sealing	Fluoroplastic
13. Body	Austenitic steel



FEATURES

Nominal diameter	DN	15	20	25	32	40	50	65	80	100
Dimensional code	.X.	1521	2026	2533	3238	4048	5060	657x	8088	0114
Face-to-face dimensions	FF	85	100	115	115	130	155	205	245	280
Size	H	Depending on drive type								
Size	E	195	200	200	230	230	235	300	300	300
Outer pipe diameter ISO1127	RA	21.3	26.9	33.7	38.0	48.3	60.3	76.1	88.9	114.3
Pipe thickness ISO1127	a	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.2	6.0

The values are given in millimeters

Manual Shut-Off & Control Bellows Valves of AMK329, AMK335 Series

SUMMARY

Cryogenic shut-off and control valve, PN63
Body and main components are made of stainless steel, bellows shaft sealing, cleaned and degreased for operation in the oxygen environment.

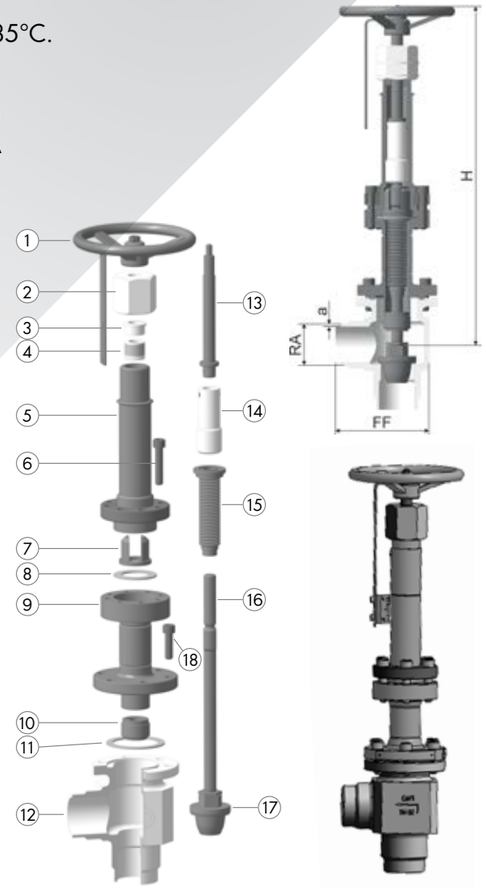
APPLICATION

Used for working media flow regulation.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK329X.Y / AMK329X.S
AMK329X.F / AMK335X.A

Name:	Materials:
1. Handwheel	Aluminium
2. Nut	Austenitic steel
3. Pressing plug	Austenitic steel
4. Gland stuffing	Fluoroplastic
5. Sleeve	Austenitic steel
6. Screw	Austenitic steel
7. Stopper	Austenitic steel
8. Gasket	Fluoroplastic
9. Thermal bridge	Austenitic steel
10. Sliding plug	Bronze
11. Gasket	Fluoroplastic
12. Body	Austenitic steel
13. Spindle	Austenitic steel
14. Running plug	Bronze
15. Sylphon	Austenitic steel
16. Shaft	Austenitic steel
17. Plunger	Austenitic steel
18. Screw	Austenitic steel



A - shape Y - shape S - shape F – shape

FEATURES

Nominal diameter	DN	10	15	15	20	25	32	40	40	50
Dimensional code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060
Face-to-face dimensions	FF	70	85	85	100	115	115	130	130	155
Size	H	380	380	380	380	380	380	380	380	380
Outer pipe diameter ISO1127	RA	12.0	17.2	21.3	26.9	33.7	38.0	42.4	48.3	60.3
Pipe thickness ISO1127	a	1.0	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Handwheel diameter	B	150	150	150	150	150	150	150	150	150
Kvs	м3/h	1.6	2.8	4.3	6.7	11.5	14.0	20.6	22.6	37.1

The values are given in millimeters

Shut-Off Straight Valves with Thermal Blanket (screen-vacuum insulation) of AMK330.50.25.4224.1.3 Series

SUMMARY

Cryogenic shut-off valve with thermal blanket and vacuum housing, PN25. Body and main components are made of stainless steel, shaft gland sealing with spring pressing.

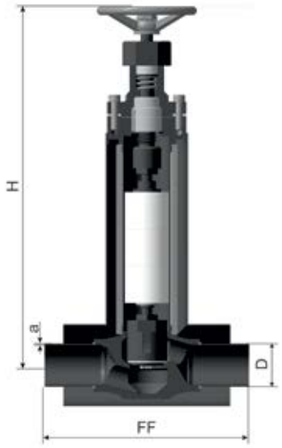
APPLICATION

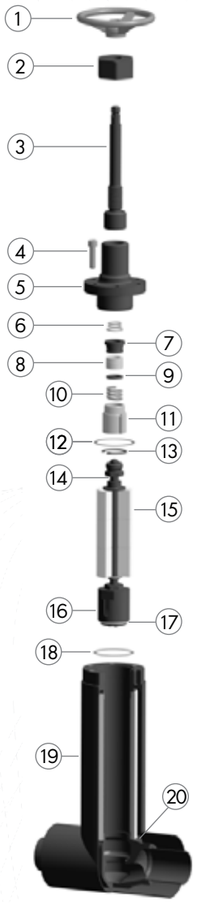
Used for regulating liquid hydrogen/helium delivery.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK330.50.25.4224.1.3

Name:	Materials:
1. Handwheel	Aluminium
2. Nut	Austenitic steel
3. Running shaft	Austenitic steel
4. Screw	Austenitic steel
5. Cover	Austenitic steel
6. Sealing	Fluoroplastic
7. Seal plug	Austenitic steel
8. Shevron sealing	Fluoroplastic
9. Support	Austenitic steel
10. Spring	Austenitic steel
11. Sliding plug	Bronze
12. Gasket	Fluoroplastic
13. Locking ring	Austenitic steel
14. Shaft	Austenitic steel
15. Insulator	Fluoroplastic
16. Slide valve	Austenitic steel
17. Sealing	Fluoroplastic
18. Sealing	Fluoroplastic
19. Vacuum housing	Austenitic steel
20. Body	Austenitic steel





FEATURES

Nominal diameter	DN	50
Construction length	FF	285
Size H	H	500
Outer pipe diameter ISO1127	D	60,3
Pipe thickness ISO1127	a	2
Kvs	м3 /h	50

The values are given in millimeters

Wafer-type Shut-off (Speed) Valves of AMK721 Series

SUMMARY

Axial valve PN40, body and main components are made of stainless steel. Parameters are tuned by adjustment and spring pressing level.

APPLICATION

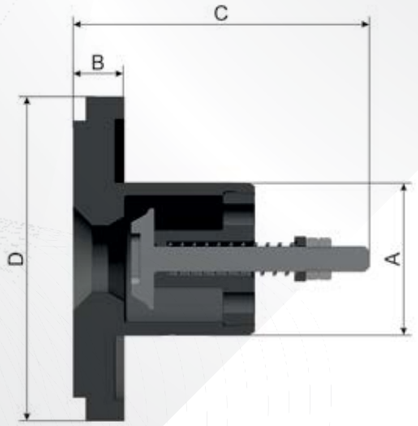
Used in delivery pipelines for cutting off working media flow if flow velocity exceeds the tolerance (for example, if the pipeline is damaged behind the valve).

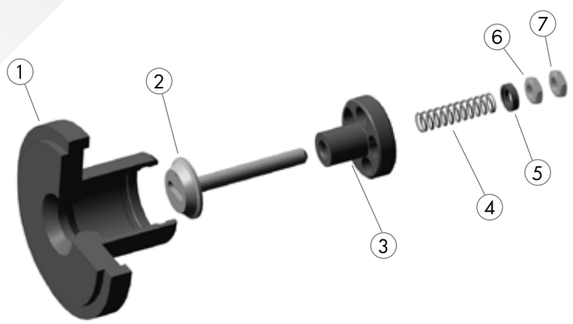
OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE:

AMK721.X.

Name:	Materials:
1. Body	Austenitic steel
2. Slide valve	Austenitic steel
3. Nut	Austenitic steel
4. Spring	Austenitic steel
5. Support	Austenitic steel
6. Nut	Austenitic steel
7. Nut	Austenitic steel





FEATURES

Nominal diameter	DN	50	65	80	100
Dimensional code	X	502	652	802	1002
Closing parameter (condensed natural gas)	l/min	167	224	378	791
Size A		49	61	72	96
Size B		13	13	13	16
Size C		85	94	96	119
Size D		92	105	127	157

The values are given in millimeters

Coupling Shut-off (Speed) Valves of AMK721.32.40.1.532 Series

SUMMARY

Axial valve PN40, body and main components are made of stainless steel. Parameters are tuned by adjustment and spring pressing level.

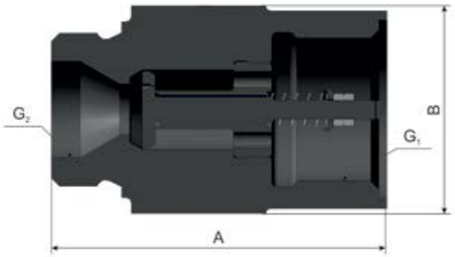
APPLICATION

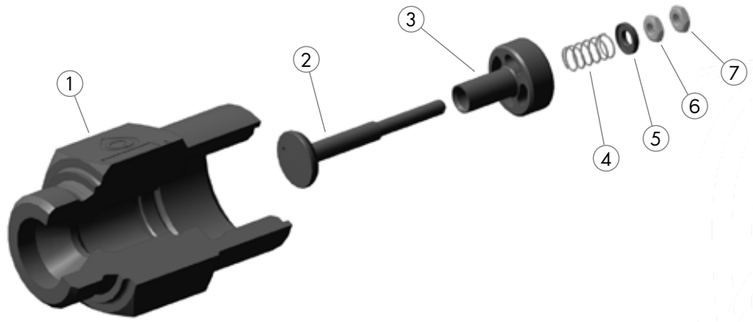
Used in delivery pipelines for cutting off working media flow in case the flow velocity exceeds the tolerance (for example, if the pipeline is damaged behind the valve).

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK721.32.40.1.5321

Name:	Materials:
1. Body	Austenitic steel
2. Slide valve	Austenitic steel
3. Nut	Austenitic steel
4. Spring	Austenitic steel
5. Support	Austenitic steel
6. Nut	Austenitic steel
7. Nut	Austenitic steel





FEATURES

Closing parameter (condensed natural gas), l/min	l/min	14,4
Size A	mm	105
Size B	mm	65
Size G1	mm	G1 1/2-A
Size G2	mm	G1 1/2-A

The values are given in millimeters

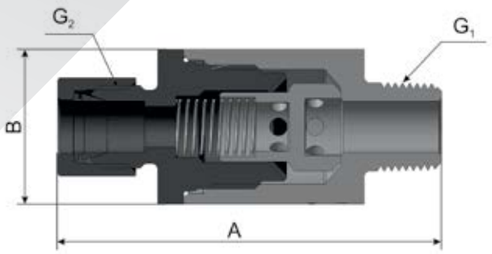
Axial Shut-off (Speed) Valves of AMK721.10.40.5321 Series

SUMMARY
Axial valve PN40, body and main components are made of stainless steel. Parameters are tuned by adjustment and spring pressing level.

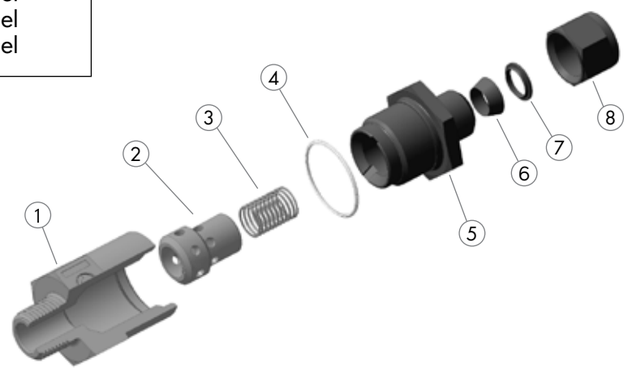
APPLICATION
Used in delivery pipelines for cutting off working media flow in case the flow velocity exceeds the tolerance (for example, if the pipeline is damaged behind the valve).

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK721.10.40.1.5321



Name:	Materials:
1. Inlet body	Brass
2. Slide valve	Brass
3. Spring	Austenitic steel
4. Gasket	Fluoroplasctic
5. Outlet body	Austenitic steel
6. Front clamping ring	Austenitic steel
7. Back clamping ring	Austenitic steel
8. Nut	Austenitic steel



FEATURES

Closing parameter (condensed natural gas), l/min	l/min	14,4
Size A	mm	74
Size B	mm	30
Size G1	mm	K 3/8"
Size G2	mm	M16x1,25-6H/6g

The values are given in millimeters

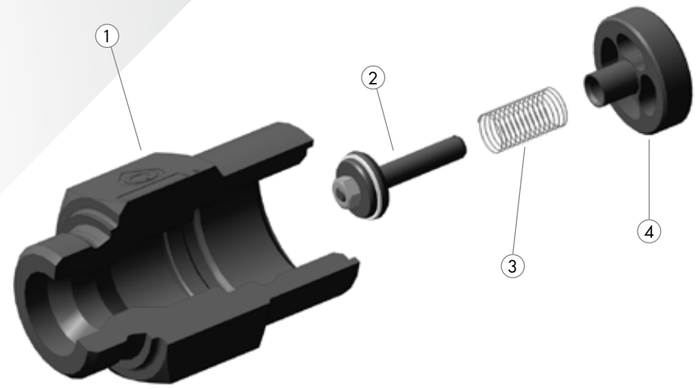
Axial Back Flow Check Valves AMK521.32.40.6223

SUMMARY
Axial back flow check valve PN40, body and main components are made of stainless steel.

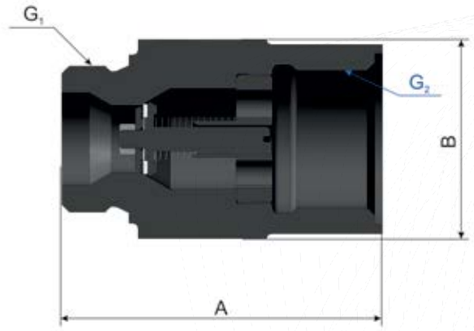
APPLICATION
Used in delivery pipelines for cutting off working media flow in case the working media starts flowing in the opposite direction.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK521.32.40.6223



Name:	Materials:
1. Body	Austenitic steel
2. Slide valve	Austenitic steel
3. Spring	Austenitic steel
4. Nut	Austenitic steel



FEATURES

Closing parameter (condensed natural gas), l/min	L/min	14,4
Size A	mm	105
Size B	mm	65
Size G1	mm	G1 1/2-A
Size G2	mm	G1 1/2-A

The values are given in millimeters

Strainers AMK921.50.63.4222

SUMMARY

Full-flow strainer with net filter cell, body and main components are made of stainless steel.

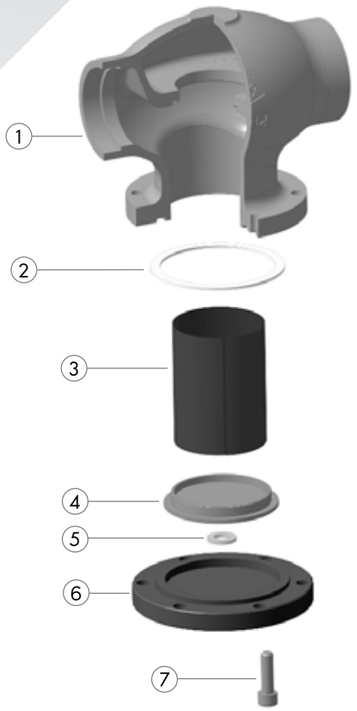
APPLICATION

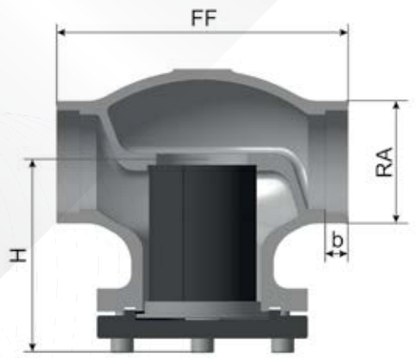
Used for purification of hydrocarbons, condensed gases, air separation products (including oxygen) and other liquids and vapors from solid particles and crystals with the size of not more than 0.25 mm.

OPERATING TEMPERATURE from - 196°C to +185°C.

NOMENCLATURE: AMK921.X

Наименование:	Материалы:
1. Body	Austenitic steel
2. Sealing	Fluoroplastic
3. Filter cell	Austenitic steel
4. Plate	Austenitic steel
5. Disc	Austenitic steel
6. Cover	Austenitic steel
7. Screw	Austenitic steel





FEATURES

Nominal diameter	DN	50	65
Dimensional code		5060	6576
Construction length	FF	155	205
Size H	H	93	134
Diameter	Ra	60,3	76,1
Wall thickness	a	2	2.6
Kv	m3 /h	30	60

The values are given in millimeters

REGULATOR

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