

BELLOW VALVE WITH PSL ACTUATOR zBEL



Body material	Nominal pressure	Nominal diameter	Max. temperature
A Grey cast iron	C 16 bar	DN 15-150	300°C
C Nodular cast iron	C 16 bar D 25 bar	DN 15-150	350°C



correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

FEATURES

- leakproofness class - A acc. EN -12266 – 1 – type 01
- leakproofness class IV acc. PN-EN 60534-4 - type 71
- environment-friendly
- tests acc. EN - 12266 - 1
- flanges drilled according to EN 1092-2
- face-to-face dimension according to EN 558 series 1

APPLICATION *

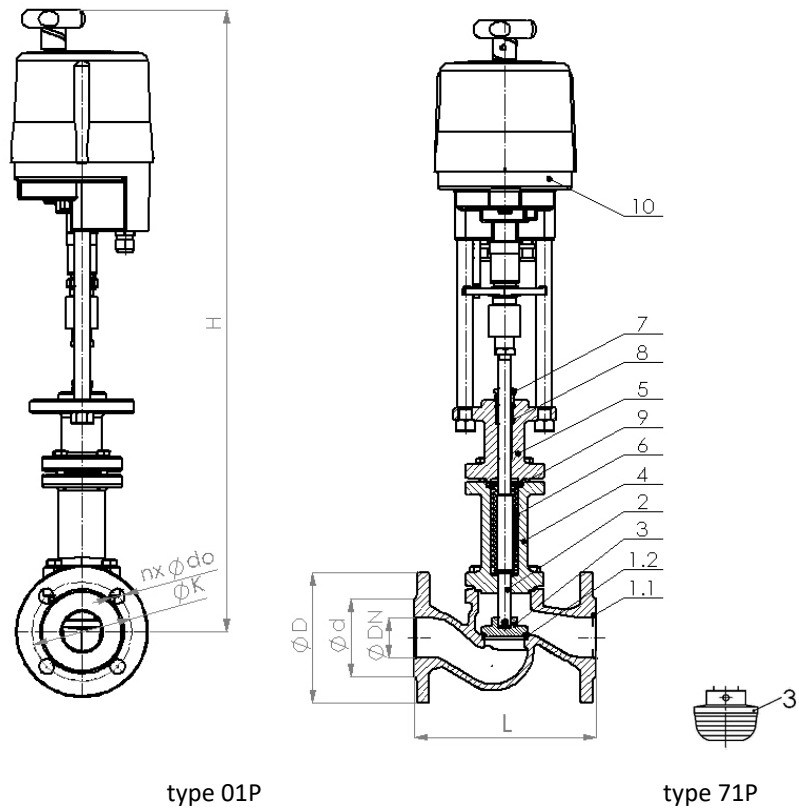
* not all of the applications are suitable for all of the executions

industries						
	INDUSTRY	SHIPBUILDING INDUSTRY	HEATING	REFRIGERATION AND AIR CONDITIONING		
Media						
	GLYCOL	INDUSTRIAL WATER	DIATHERMIC OIL	STEAM	COMPRESSED AIR	NEUTRAL FLUIDS

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Edition 01/2018

MATERIALS, DIMENSIONS



type 01P

type 71P

	Body material	A	C
	Type	01P; 71P	
1.1	Body	EN – GJL-250 5.1301 (ex. JL1040)	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)
1.2	Seat ring	X20Cr13 1.4021	
2	Stem	X20Cr13 1.4021	
3	Disc	X20Cr13+QT 1.4021	
4	Bonnet I	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
5	Bonnet II	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
6	Bellow	X6CrNiMoTi17-12-2	
7	Gland	Carbon steel	
8	Gland packing	Graphite	
9	Gasket	Graphite	
10	Actuator	PSL	
	Max. temperature	300°C	350°C

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Edition 01/2018

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DN	15	20	25	32	40	50	65	80	100	125	150
L (mm)	130	150	160	180	200	230	290	310	350	400	480
H (mm)											
PSL202 PSL202/AMS 2kN	728	728	733	743	763	769	823	821	857	923	945
PSL204 PSL204/AMS 4.5kN	728	728	733	743	763	769	823	821	857	923	945
PSL208 PSL208/AMS 8kN	---	---	---	---	803	809	863	861	897	963	985
PSL210 PSL210/AMS 10kN	---	---	---	---	803	809	863	861	897	963	985
PSL214 PSL214/AMS 14kN	---	---	---	---	---	---	927	925	961	1027	1049

PRESSURE-TEMPERATURE RATINGS

	PN		-10°C÷120°C	150°C	200°C	250°C	300°C	350°C
EN-GJL-250	16	bar	16	14,4	12,8	11,2	9,6	---
EN-GJS-400-18 LT	16		16	15,5	14,7	13,9	12,8	11,2
	25		25	24,3	23	21,8	20	17,5

MAX PERMISSIBLE CLOSING PRESSURES (on flow to open P2=0)

ACTUATOR	DN										
	15	20	25	32	40	50	65	80	100	125	150
PSL202 PSL202/AMS 2kN	25,0	24,0	17,9	11,2	8,9	5,5	3,6	2,5	1,7	1,1	0,8
PSL204 PSL204/AMS 4.5kN	---	---	25,0	25,0	20,0	12,4	8,2	5,8	4,0	2,5	1,8
PSL208 PSL208/AMS 8kN	---	---	---	---	25,0	22,1	14,6	10,3	7,1	4,4	3,2
PSL210 PSL210/AMS 10kN	---	---	---	---	---	25,0	18,2	12,9	8,8	5,5	4,0
PSL314 PSL314/AMS 14kN	---	---	---	---	---	---	25,0	18,1	12,4	7,8	5,7

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FLANGE DIMENSIONS ACC. PN-EN 1092-2

DN		15	20	25	32	40	50	65	80	100	125	150
PN16	D (mm)	95	105	115	140	150	165	185	200	220	250	285
	K (mm)	65	75	85	100	110	125	145	160	180	210	240
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	4x19	8x19	8x19	8x19	8x23
PN25	D (mm)	95	105	115	140	150	165	185	200	235	270	300
	K (mm)	65	75	85	100	110	125	145	160	190	220	250
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	8x19	8x19	8x23	8x28	8x28

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Edition 01/2018

TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01P
		15-150 mm	C 16 bar	control valve 71P
234	C Nodular cast iron EN-GJS-400-18-LT	15-150 mm	C 16 bar	stop valve 01P
		15-150 mm	C 16 bar	control valve 71P
		15-150 mm	D 25 bar	stop valve 01P
		15-150 mm	D 25 bar	control valve 71P

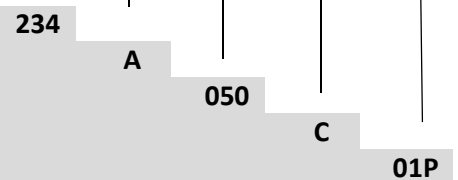
ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01P

Order example acc. index

234 A 050 C 01P

Bellow valve with PSL actuator
 Grey cast iron EN-GJL-250
 Nominal diameter (mm)
 Nominal pressure PN 16
 Stop valve



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Edition 01/2018

BELLOW VALVE WITH REGADA ACTUATOR zBEL



Body material	Nominal pressure	Nominal diameter	Max. temperature
A Grey cast iron	C 16 bar	DN 15-150	300°C
C Nodular cast iron	C 16 bar D 25 bar	DN 15-150 DN 15-150	350°C



correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

FEATURES

- leakproofness class - A acc. EN -12266 – 1 type 01
- leakproofness class IV acc. PN-EN 60534-4 type 71
- environment-friendly
- tests acc. EN - 12266 - 1
- flanges drilled according to EN 1092-2
- face-to-face dimension according to EN 558-1 series 1

APPLICATION *

* not all of the applications are suitable for all of the executions

industries



INDUSTRY



SHIPBUILDING
INDUSTRY



HEATING



REFRIGERATION
AND AIR
CONDITIONING

media



GLYCOL



INDUSTRIAL
WATER



DIATHERMIC OIL



STEAM



COMPRESSED
AIR

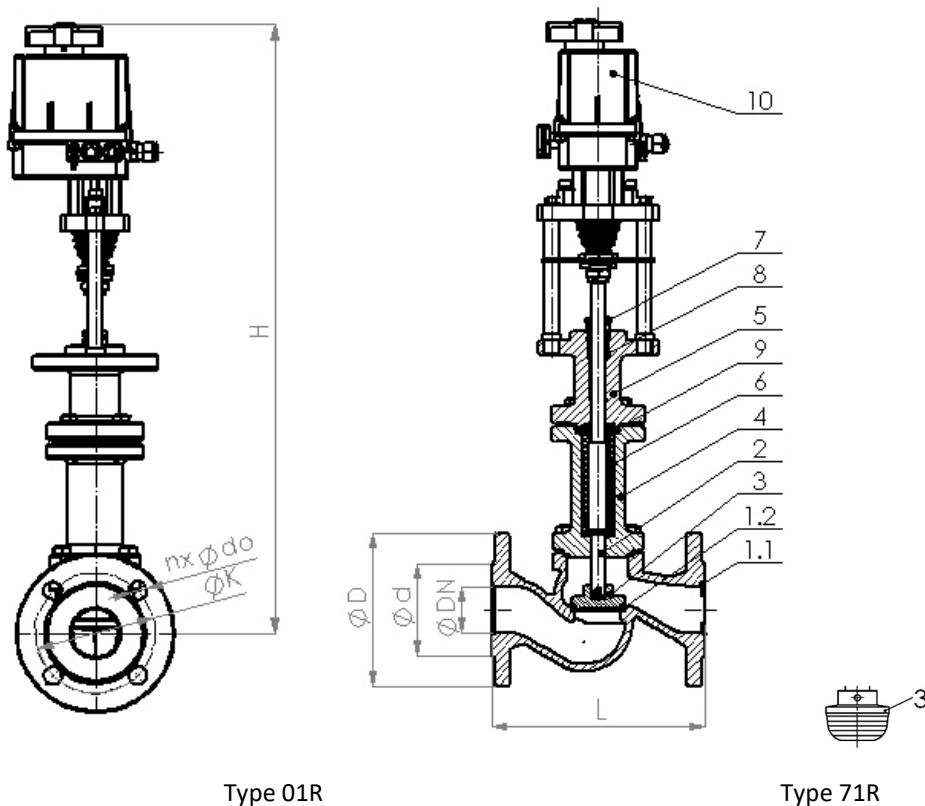


NEUTRAL
FLUIDS

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Edition 01/2018

MATERIALS, DIMENSIONS



Type 01R

Type 71R

	Body material	A	C
	Type	01R; 71R	
1.1	Body	EN – GJL-250 5.1301 (ex. JL1040)	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)
1.2	Seat ring	X20Cr13 1.4021	
2	Stem	X20Cr13 1.4021	
3	Disc	X20Cr13+QT 1.4021	
4	Bonnet I	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
5	Bonnet II	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
6	Bellow	X6CrNiMoTi17-12-2	
7	Gland	Carbon steel	
8	Gland packing	Graphite	
9	Gasket	Graphite	
10	Actuator	REGADA	
	Max. temperature	300°C	350°C

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DN	15	20	25	32	40	50	65	80	100	125	150
L (mm)	130	150	160	180	200	230	290	310	350	400	480
H (mm)											
STO STR OPA 4kN	582,5	582,5	587,5	597,5	617,5	623,5	---	---	---	---	---
STO1 STR01 PA 6,3kN	---	---	---	---	779	785	839	837	873	939	961
ST2 STR2PA 14kN	---	---	---	---	---	---	914	912	948	1014	1036
ST2 STR 2PA 17kN	---	---	---	---	---	---	914	912	948	1014	1036
ST2 STR 2PA 21,5kN	---	---	---	---	---	---	---	912	948	1014	1036

PRESSURE-TEMPERATURE RATINGS

	PN		-10°C÷120°C	150°C	200°C	250°C	300°C	350°C
EN-GJL-250	16	bar	16	14,4	12,8	11,2	9,6	---
EN-GJS-400-18 LT	16		16	15,5	14,7	13,9	12,8	11,2
	25		25	24,3	23	21,8	20	17,5

MAX PERMISSIBLE CLOSING PRESSURES (on flow to open P2=0)

ACTUATOR	DN										
	15	20	25	32	40	50	65	80	100	125	150
STO STR OPA 4kN	25	25	25	17,9	14,2	8,8	---	---	---	---	---
STO1 STR01 PA 6,3kN	---	---	---	---	25	17,4	11,5	8,1	5,6	3,5	2,5
S12 STR2PA 14kN	---	---	---	---	---	---	25	18,1	12,4	7,8	5,7
ST2 STR 2PA 17kN	---	---	---	---	---	---	25	22	15,1	9,5	6,9
ST2 STR 2PA 21,5kN	---	---	---	---	---	---	---	25	19,1	12	8,7

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FLANGE DIMENSIONS ACC. PN-EN 1092-2

DN		15	20	25	32	40	50	65	80	100	125	150
PN16	D (mm)	95	105	115	140	150	165	185	200	220	250	285
	K (mm)	65	75	85	100	110	125	145	160	180	210	240
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	4x19	8x19	8x19	8x19	8x23
PN25	D (mm)	95	105	115	140	150	165	185	200	235	270	300
	K (mm)	65	75	85	100	110	125	145	160	190	220	250
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	8x19	8x19	8x23	8x28	8x28

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TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01R
		15-150 mm	C 16 bar	control valve 71R
234	C Nodular cast iron EN-GJS-400-18-LT	15-150 mm	C 16 bar	stop valve 01R
		15-150 mm	C 16 bar	control valve 71R
		15-150 mm	D 25 bar	stop valve 01R
		15-150 mm	D 25 bar	control valve 71R

ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01R

Order example acc. index

234 A 150 C 01R

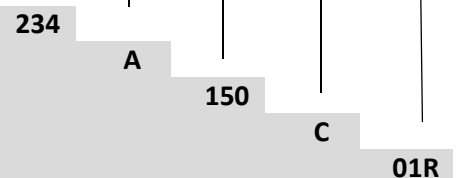
Bellow valve with REGADA actuator

Grey cast iron EN-GJL-250

Nominal diameter (mm)

Nominal pressure PN 16

Stop valve



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Edition 01/2018

 **BELLOW VALVE WITH AUMA ACTUATOR zBEL**



Body material	Nominal pressure	Nominal diameter	Max. temperature
A Grey cast iron	C 16 bar	DN 65-250	300°C
C Nodular cast iron	C 16 bar D 25 bar	DN 65-200 DN 65-200	350°C













correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

FEATURES

- leakproofness class - A wg EN - 12266 – 1 type 01
- leakproofness class IV wg PN-EN 60534-4 type 71
- environment-friendly
- tests acc. EN - 12266 - 1
- flanges drilled according to EN 1092-2
- face-to-face dimension according to EN 558-1 series 1

APPLICATION *

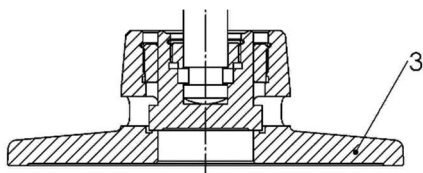
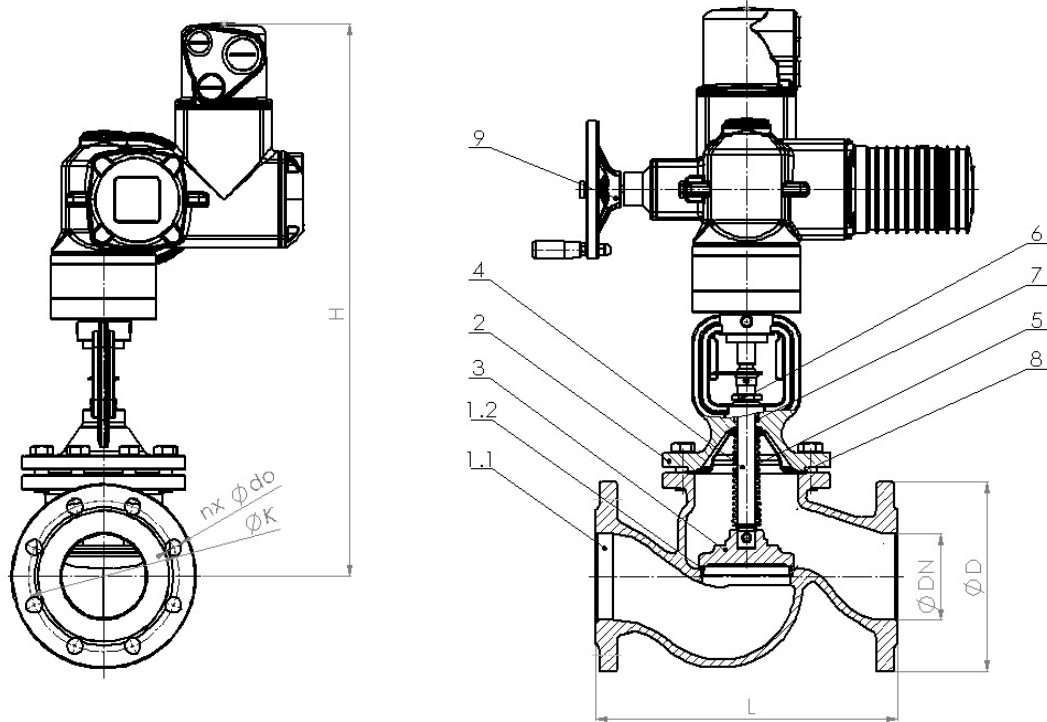
* not all of the applications are suitable for all of the executions

industries						
	INDUSTRY	SHIPBUILDING INDUSTRY	HEATING	REFRIGERATION AND AIR CONDITIONING		
media						
	GLYCOL	INDUSTRIAL WATER	DIATHERMIC OIL	STEAM	COMPRESSED AIR	NEUTRAL FLUIDS

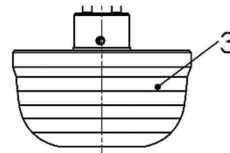
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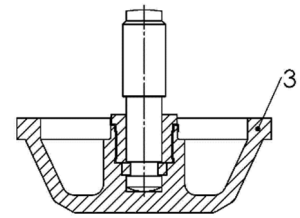
MATERIALS, DIMENSIONS



Type 04A DN200-250



Type 71A DN65-150



Type 71A DN200-250

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	Body material	A	C
	Type	01A; 04A; 71A	
1.1	Body	EN – GJL-250 5.1301 (ex. JL1040)	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)
1.2	Seat ring	X12Cr13 1.4006	
2	Bonnet	P235GH 1.0345	
3	Disc	X20Cr13 / X12Cr13 1.4021 / 1.4006	
4	Stem	X20Cr13 1.4021	
5	Bellow	X6CrNiMoTi17-12-2	
6	Gland	Carbon steel	
7	Gland packing	Graphite	
8	Gasket	Graphite	
9	Actuator	AUMA	
	Max. temperature	300°C	350°C

DN	65	80	100	125	150	200	250
L (mm)	290	310	350	400	480	600	730
H (mm)	879	877	665	685	725	910	985

PRESSURE-TEMPERATURE RATINGS

	PN		-10°C÷120°C	150°C	200°C	250°C	300°C	350°C
EN-GJL-250	16	bar	16	14,4	12,8	11,2	9,6	---
EN-GJS-400-18 LT	16		16	15,5	14,7	13,9	12,8	11,2
	25		25	24,3	23	21,8	20	17,5

MAX PERMISSIBLE CLOSING PRESSURES (on flow to open P2=0)

NAPĘD	DN						
	65	80	100	125	150	200	250
AUMA SA 7.2 ; 7.6 – 60Nm	25	25	23	14,9	10,1	5,3	3,3
AUMA SA 10.2 – 120Nm	---	---	---	26,5	18,3	12,3	7,9
AUMA SA 14.2 – 250Nm	---	---	---	---	---	22,0	14,2
AUMA SAR 7.2 ; 7.6 – 60Nm	25	25	26,9	17,2	11,9	6,5	4,1
AUMA SAR 10.2 – 120Nm	---	---	---	29,3	20,3	13,7	8,7
AUMA SAR 14.2 – 250Nm	---	---	---	---	---	23,7	15,1

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FLANGE DIMENSIONS ACC. PN-EN 1092-1/-2

DN		100	125	150	200	250
PN16	D (mm)	220	250	285	340	405
	K (mm)	180	210	240	295	355
	nxd (mm)	8x19	8x19	8x23	12x23	12x28
PN25	D (mm)	235	270	300	360	-----
	K (mm)	190	220	250	310	-----
	nxd (mm)	8x23	8x28	8x28	12x28	-----

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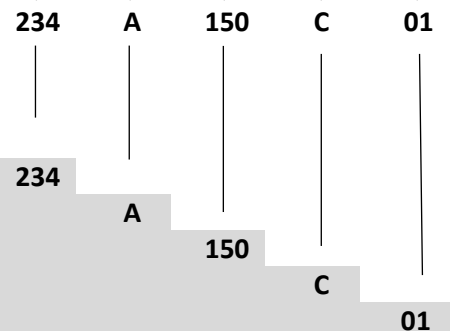
TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	65-150 mm	C 16 bar	stop valve 01A
		200-250 mm	C 16 bar	control valve 71A
		200-250 mm	C 16 bar	stop valve with balancing disc 04A
234	C Nodular cast iron EN-GJS-400-18-LT	65-150 mm	C 16 bar	stop valve 01A
		65-200 mm	C 16 bar	control valve 71A
		200 mm	C 16 bar	stop valve with balancing disc 04A
		65-150 mm	D 25 bar	stop valve 01A
		65-200 mm	D 25 bar	control valve 71A
		200 mm	D 25 bar	stop valve with balancing disc 04A

ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	65-150 mm	C 16 bar	stop valve 01A

Order example acc. index



Bellow valve with AUMA actuator
 Grey cast iron EN-GJL-250
 Nominal diameter (mm)
 Nominal pressure PN 16
 Stop valve

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Edition 01/2018



BELLOW VALVE WITH PNEUMATIC ACTUATOR zBEL



Body material	Nominal pressure	Nominal diameter	Max. temperature
A Grey cast iron	C 16 bar	DN 15-150	300°C
C Nodular cast iron	C 16 bar D 25 bar	DN 15-150	350°C



correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

FEATURES

- leakproofness class - A acc. EN -12266 – 1 – type 01
- leakproofness class IV acc. PN-EN 60534-4 - type 71
- environment-friendly
- tests acc. EN - 12266 - 1
- flanges drilled according to EN 1092-2
- face-to-face dimension according to EN 558 series 1

APPLICATION *

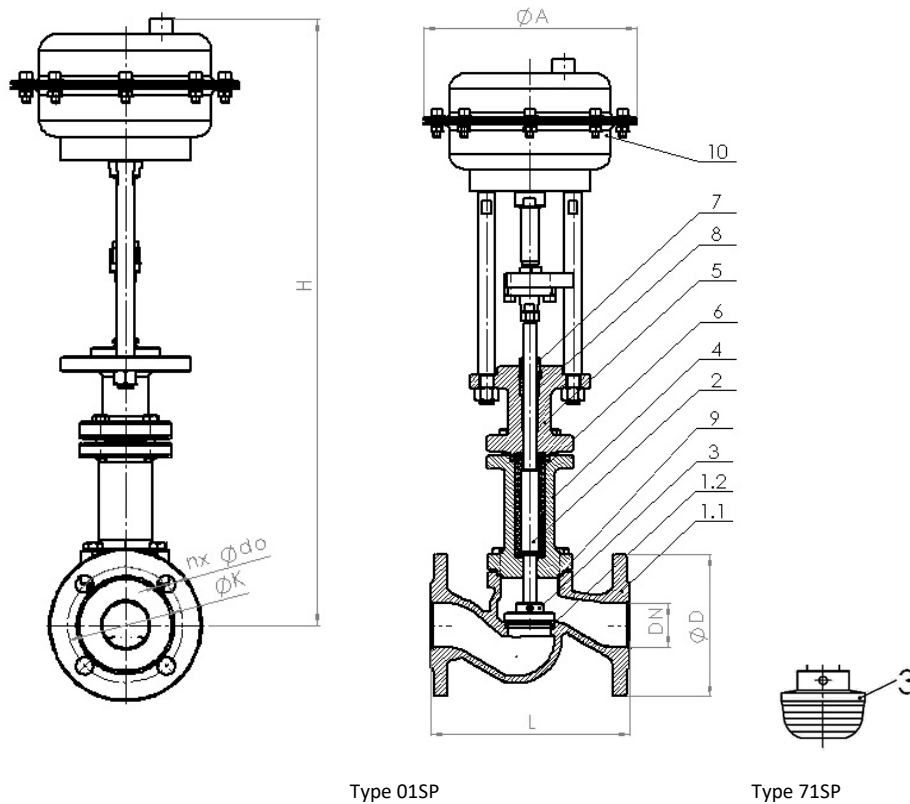
* not all of the applications are suitable for all of the executions

industries						
	INDUSTRY	SHIPBUILDING INDUSTRY	HEATING	REFRIGERATION AND AIR CONDITIONING		
Media						
	GLYCOL	INDUSTRIAL WATER	DIATHERMIC OIL	STEAM	COMPRESSED AIR	NEUTRAL FLUIDS

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Edition 01/2018

MATERIALS, DIMENSIONS



Type 01SP

Type 71SP

	Body material	A	C
	Type	01SP; 71SP	
1.1	Body	EN – GJL-250 5.1301 (ex. JL1040)	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)
1.2	Seat ring	X20Cr13 1.4021	
2	Stem	X20Cr13 1.4021	
3	Disc	X20Cr13+QT 1.4021	
4	Bonnet I	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
5	Bonnet II	EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)	
6	Bellow	X6CrNiMoTi17-12-2	
7	Gland	Carbon steel	
8	Gland packing	Graphite	
9	Gasket	Graphite	
10	Actuator	SP280; SP530; SP1000	
	Max. temperature	300°C	350°C

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Edition 01/2018

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DN	15	20	25	32	40	50	65	80	100	125	150
L (mm)	130	150	160	180	200	230	290	310	350	400	480
H (mm)											
SP280 A=247	615	615	620	630	650	656	710	708	744	810	832
SP530 A=347	---	---	---	---	701	707	761	759	795	861	883
SP1000 A=491	---	---	---	---	---	---	821	819	855	921	943

PRESSURE-TEMPERATURE RATINGS

	PN		-10°C÷120°C	150°C	200°C	250°C	300°C	350°C
EN-GJL-250	16	bar	16	14,4	12,8	11,2	9,6	---
EN-GJS-400-18 LT	16		16	15,5	14,7	13,9	12,8	11,2
	25		25	24,3	23	21,8	20	17,5

MAX PERMISSIBLE CLOSING PRESSURES (on flow to open P2=0)

ACTUATOR	Power pressure (kPa)	DN										
		15	20	25	32	40	50	65	80	100	125	150
SP280	140	21,5	16,8	11,74	7,9	5,8	3,6	2,1	1,5	1	0,6	0,4
	250	64,7	50,5	35,3	23,7	17,6	11	6,4	4,5	3	2	1,4
	400	125,8	98,2	68,7	46,1	34,2	21,5	12,6	8,7	5,8	3,8	2,7
SP530	140	---	---	---	---	---	4,9	2,9	2	1,3	0,9	0,6
	250	---	---	---	---	---	19	11,1	7,7	5,1	3,4	2,4
	400	---	---	---	---	---	38,7	22,7	15,7	10,5	7	5
SP1000	140	---	---	---	---	---	---	6,6	4,6	3	2	1,4
	250	---	---	---	---	---	---	22,5	15,6	10,4	6,9	4,9
	400	---	---	---	---	---	---	44	30,6	20,5	13,6	9,6

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Edition 01/2018

FLANGE DIMENSIONS ACC. PN-EN 1092-2

DN		15	20	25	32	40	50	65	80	100	125	150
PN16	D (mm)	95	105	115	140	150	165	185	200	220	250	285
	K (mm)	65	75	85	100	110	125	145	160	180	210	240
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	4x19	4x19	8x19	8x19	8x19
PN25	D (mm)	95	105	115	140	150	165	185	200	235	270	300
	K (mm)	65	75	85	100	110	125	145	160	190	220	250
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	8x19	8x19	8x23	8x28	8x28

Data given can be changed without notice.

Edition 01/2018

TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01SP
		15-150 mm	C 16 bar	control valve 71SP
234	C Nodular cast iron EN-GJS-400-18-LT	15-150 mm	C 16 bar	stop valve 01SP
		15-150 mm	C 16 bar	control valve 71SP
		15-150 mm	D 25 bar	stop valve 01SP
		15-150 mm	D 25 bar	control valve 71SP

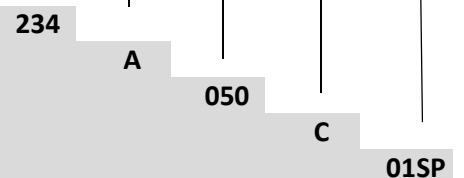
ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
234	A Grey cast iron EN-GJL-250	15-150 mm	C 16 bar	stop valve 01SP

Order example acc. index

234 A 050 C 01SP

Bellow valve with PNEUMATIC actuator
 Grey cast iron EN-GJL-250
 Nominal diameter (mm)
 Nominal pressure PN 16
 Stop valve



Data given can be changed without notice.

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