

Valves for oil filled transformers and industrial use



По вопросам продаж и поддержки обращайтесь:

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Quickfinder

Valve type acc. to Part Number in ascending order	5
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Valves for oil filled transformers and industrial use

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Safety valves for gases, vapours and fluids



Media: Gases, vapours, fluids and refrigerants
Sizes: 1/4" to 2"
Temperature: -50°C (-58°F) to +225°C (+437°F)
Pressure: 0,2 bar (3 psi) to 30 bar (435 psi)

Safety valves for Cryogenic Service



Media: liquefied gases such as oxygen, nitrogen, argon, carbon dioxide etc.
Sizes: DN6 (1/4") to DN25 (1")
Temperature: -270°C (-454°F) to +225°C (+437°F)
Pressure: 0,2 bar (3 psi) to 45 bar (653 psi)

Globe valves, control valves, check valves and fillsystems for Cryogenic Service



Media: liquefied gases such as oxygen, nitrogen, argon, krypton etc.
Sizes: DN10 (3/8") to DN50 (2") (bronze)
DN10 (3/8") to DN100 (4") (stainless steel)
Temperature: -196°C (-320°F) to +120°C (+280°F)
Pressure: up to 50 bar (725 psi)

Drain valves, three-way valves and gate valves for oil filled transformers



Media: transformer oil
Sizes: DN15 (1/2") to DN100 (4")
Temperature: -25°C (-13°F) to +115°C (+239°F)
Pressure: up to 16 bar (232 psi)

DIN EN valves made of bronze/brass



Media: non-flammable and non-toxic fluids, gases and vapours
Sizes: DN6 (1/4") to DN150 (6")
Temperature: -10°C (+14°F) to +200°C (+392°F)
Pressure: up to 40 bar (580 psi)



Part Number	Page	Description
01021.X.0000	17	Globe Valve
01021.X.5000	17	Globe/Check Valve
01028.X.0000	25	Self Closing Globe Valve
01131.X.0000	18	Globe Valve, angled type
01343.X.161*	28 - 32	Control Valve
03021.X.0160	19	Globe Valve
03021.X.5160	19	Globe/Check Valve
03050.X.0160	20	Globe Valve
03080.X.0000	21	Globe Valve
03090.X.0000	22	Globe Valve
03199.X.0060	8	Outlet Valve for oil filled transformers
03432.X.0000	23	Bellow sealed Globe Valve
04010.X.0000	24	Needle Valve
04020.X.0000	26	Control Valve
04041.X.0160	27	Control Valve
05011.X.0000	33	Check Valve
05012.X.0000	33	Check Valve
05040.X.0000	38	Check Valve, swing type
05082.X.0000	35	Check Valve
05083.X.0000	34	Check Valve
05110.X.0000	36	Check Valve
05115.X.0000	37	Check Valve
05321.X.0000	39	Check Valve, disc type
05337.X.0000	40	Check Valve, disc type
05338.X.0000	41	Check Valve, disc type
08010.X.0000	42	Pressure reducing Valve
08011.X.0000	43	Pressure reducing Valve
08012.X.0000	44	Pressure reducing Valve
08015.X.0000	45	Pressure reducing Valve
08023.X.0000	46	Pressure reducing Valve
08161.X.0000	48	Strainer
08170.X.0000	49	Strainer
08180.X.0000	47	Strainer
08181.X.0000	47	Strainer
09010.X.0000	50	Gate Valve
09012.X.0000	51	Gate Valve
09061.X.0160	52	Gate Valve
09065.X.0160	12	Gate Valve for oil filled transformers
09065.X.9001	12	Gate Valve for oil filled transformers
09065.X.0160	55	Gate Valve
09065.X.9001	55	Gate Valve
09320.X.0160	54	Gate Valve
09320.X.9001	11	Gate Valve for oil filled transformers
09420.X.0160	10	Gate Valve
09420.X.0160	53	Gate Valve for oil filled transformers
12170.X.0160	13	Plug cock for oil filled transformers
14170.X.LINK	14	Three-way Plug cock for oil filled transformers
14170.X.RECH	14	Three-way Plug cock for oil filled transformers
14175.X.0160	15	Three-way Plug cock for oil filled transformers
27511.X.**PO	30	Pneumatic Actuator for Control Valve Type 01343
50077.0028.0105	9	Gate Valve for oil filled transformers
55322.X.0105	16	Plug key for Type 12170, 14170 and 14175
Typ 40* & 08002*	31 – 32	Accessories for Control Valve Type 01343



Bronze Outlet Valves for oil filled Transformers

Type	Nominal size	Connections	Working pressure	Temperature	Page
03199	DN15 & DN32	Flange	max. PN 6, for oil max. 5.0 bar	-25°C - +115°C	8

Bronze Gate Valves for oil filled Transformers

Type	Nominal size	Connections	Working pressure	Temperature	Page
50077	DN25	Flange	max. PN 16, for oil max. 5.0 bar	-25°C - +115°C	9
09420	DN20 – DN50	Flange	max. PN 16, for oil max. 5.0 bar	-25°C - +115°C	10
09320	DN50 – DN150	Flange	max. PN 16, for oil max. 5.0 bar	-25°C - +100°C	11
09065	DN25 – DN80	Flange	max. PN 16, for oil max. 5.0 bar	-25°C - +115°C	12

Bronze Plug cock for oil filled Transformers

Type	Nominal size	Connections	Working pressure	Temperature	Page
12170	DN25 & DN80	Flange	max. PN 10, for oil max. 5.0 bar	-25°C - +115°C	13

Bronze Three-way Plug cock for oil filled Transformers

Type	Nominal size	Connections	Working pressure	Temperature	Page
14170	DN25 & DN80	Flange	max. PN 10, for oil max. 5.0 bar	-25°C - +115°C	14
14175	DN80	Flange	max. PN 10, for oil max. 5.0 bar	-25°C - +115°C	15

Bronze Plug key

Type	Nominal size	Page
55322	for DN25 & DN80	16

Globe Valves and Globe/Check Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
01021	DN6 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +160°C	17
01131	DN15 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +185°C	18
03021	DN20 – DN50	Flange	max. PN 16	-10°C - +160°C	19
03050	DN25 – DN150	Flange	max. PN 16	-10°C - +225°C	20
03080	DN15 – DN150	Flange	max. PN 16	-10°C - +225°C	21
03090	DN15 – DN150	Flange	max. PN 40	-10°C - +400°C	22

Bellow sealed Globe Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
03432	DN15 – DN150	Flange	max. PN 40	-10°C - +400°C	23

Brass Needle Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
04010	DN6 – DN32	Thread type G (BSPP)	max. PN 40	-10°C - +100°C	24

Bronze Self Closing Globe Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
01028	DN15 – DN25	Thread type G (BSPP)	max. PN 16	-10°C - +165°C	25

Bronze Control Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
04020	DN10 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +160°C	26
04041	DN15 – DN50	Flange	max. PN 16	-10°C - +160°C	27





Stainless steel Control Valves with pneumatic Actuator for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
01343	DN10 – DN150	Butt weld Socket weld	max. PN 50	-196°C - +120°C	28 - 32

Check Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
05011	DN10 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +160°C	33
05012	DN10 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +160°C	33
05083	DN20 – DN50	Flange	max. PN 16	-10°C - +160°C	34
05082	DN20 – DN150	Flange	max. PN 16	-10°C - +160°C	35
05110	DN15 – DN150	Flange	max. PN 16	-10°C - +225°C	36
05115	DN15 – DN150	Flange	max. PN 40	-10°C - +400°C	37

Check Valves, swing type and Check Valves, disc type for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
05040	DN15 – DN65	Thread type G (BSPP)	max. PN 16	-10°C - +160°C	38
05321	DN15 – DN100	-	max. PN 16	-60°C - +225°C	39
05337	DN15 – DN100	-	max. PN 40	-10°C - +300°C	40
05338	DN15 – DN100	-	max. PN 40	-200°C - +500°C	41

Pressure reducing Valves for industrial use

Type	Nominal size	Connections	Inlet pressure	Outlet pressure	Temperature	Page
08010	DN6 – DN50	Thread type G (BSPP)	max. 25.0 bar	1.5 – 8.0 bar	-10°C - +75°C	42
08011	DN6 – DN50	Thread type G (BSPP)	max. 40.0 bar	1.5 – 20.0 bar	-10°C - +75°C	43
08012	DN6 – DN50	Thread type G (BSPP)	max. 25.0 bar	0.2 – 2.0 bar	-10°C - +75°C	44
08015	DN6 – DN50	Thread type G (BSPP)	max. 40.0 bar	1.0 – 10.0 bar	-10°C - +70°C	45
08023	DN15 – DN50	Union type connection	max. 25.0 bar	0.6 – 7.0 bar	-10°C - +90°C	46

Strainer for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
08180	DN10 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +200°C	47
08181	DN10 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +200°C	47
08161	DN15 – DN150	Flange	max. PN 16	-10°C - +200°C	48
08170	DN15 – DN150	Flange	max. PN 40	-10°C - +400°C	49

Bronze Gate Valves for industrial use

Type	Nominal size	Connections	Working pressure	Temperature	Page
09010	DN15 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +200°C	50
09012	DN15 – DN50	Thread type G (BSPP)	max. PN 16	-10°C - +180°C	51
09061	DN20 – DN80	Flange	max. PN 16	-10°C - +200°C	52
09420	DN20 – DN80	Flange	max. PN 16	-10°C - +180°C	53
09320	DN50 – DN150	Flange	max. PN 16	-10°C - +200°C	54
09065	DN25 – DN80	Flange	max. PN 16	-10°C - +180°C	55



Valves for oil filled transformers

Type 03199

HEROSE



Outlet Valves, DIN 42568

Bronze body, screwed topwork in brass
Outlet with cap and chain

Part No. 03199.0150.0060

Inlet: round flange drilled acc. to DIN PN 6

Part No. 03199.0320.0060

Inlet: square flange drilled acc. to DIN PN 6

Available options - on request only:

- Handwheel in cast iron
- Handwheel in bronze
- Valve with opening indicator
- Valve with locking device (with or without lock)

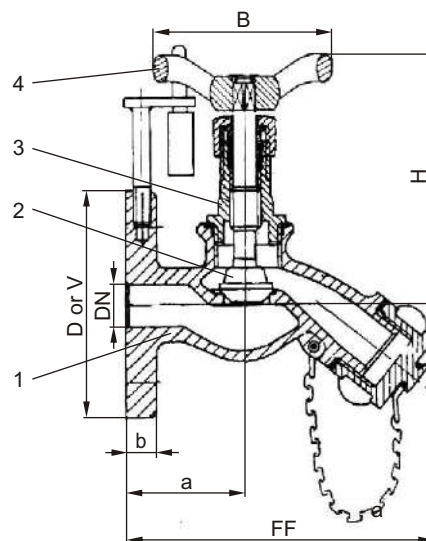


Applications:

Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Disc	CW617N	B 283 UNS C38000
3	Headpiece	CW617N	B 283 UNS C38000
4	Handwheel	Polyamid (synthetic material)	



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 03199	Technical data		
Nominal size	DN	15	32
Dimension code	FF	110	130
Face-to-face dimension	H	95	135
Round-Flange-Ø	D	80	-
Square-Flange-Ø	V	-	90
Length	a	44	55
Width of flange	b	10	13
Weight	ca. kg	1.0	2.3

Dimensions in mm.



Valves for oil filled transformers

Type 50077

HEROSE



Flanged Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem, flanged connection PN16

Part No. 50077.0028.0105

Available options - on request only:

- Handwheel in bronze

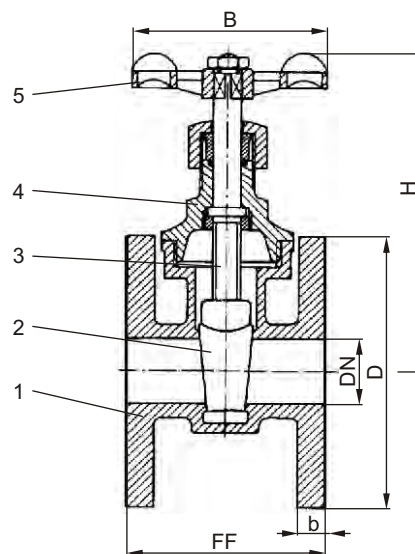


Applications:

Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Wedge	CC491K	B 62 UNS C83600
3 Stem	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Handwheel	Zinc diecasting	



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 50077.0028	Technical data	
Nominal size	DN	25
Face-to-face dimension	FF	75
Height	H	115
Flange diameter	D	115
Width of flange	b	10
Handwheel-Ø	B	70
Weight	ca. kg	2.4

Dimensions in mm.



Valves for oil filled transformers

Type 09420

HEROSE



Flanged Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem
flanged connection acc. to DIN EN 1092-1 PN16

Part No. 09420.X.0160

Available options - on request only:

- Handwheel in cast iron
- Handwheel in bronze



Applications:

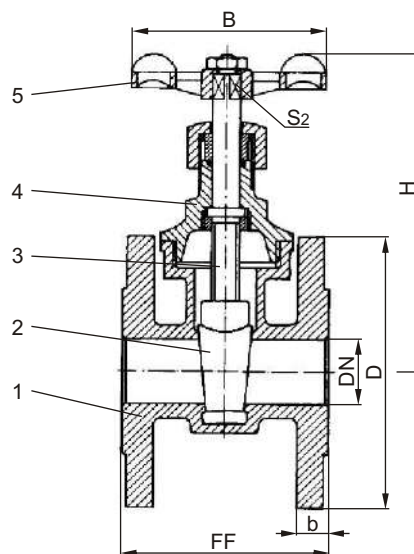
Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Wedge	CC491K	B 62 UNS C83600
3	Stem	CW612N	B 283 UNS C37700
4	Headpiece	CW612N	B 283 UNS C37700
5	Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09420	Technical data							
Nominal size	DN	20	25	32	40	50	65	80
Dimension code	.X.	0200	0250	0320	0400	0500	0650	0800
Face-to-face dimension	FF	75	80	90	100	110	130	150
Height	H	105	115	130	150	180	220	250
Flange diameter	D	105	115	140	150	165	185	200
Width of flange	b	12	12	14	14	16	16	18
Handwheel-Ø	B	70	70	80	90	110	150	160
Wrench size across flats	S ₂	7	8	9	9	11	12	13
Weight	ca. kg	1.8	2.3	3.6	4.6	6.4	9.4	12.1

Dimensions in mm.



Valves for oil filled transformers

Type 09320

HEROSE



Flanged Gate Valves, PN16, DIN EN 12288

Bronze body and topwork
with maintenance-free gland packing (O-Ring) and non rising stem
flanged connection acc. to DIN EN 1092-1 PN16

Part No. 09320.X.9001

· Valve with opening indicator

Available options - on request only:

· Valve with opening indicator and locking device without lock
· special flanged connections



Applications:

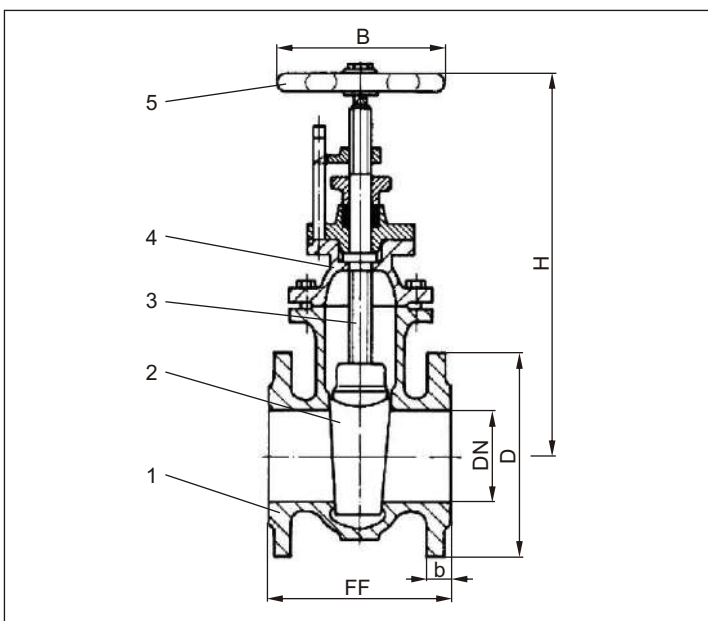
Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +100°C / +212°F (373K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Wedge	CC491K	B 62 UNS C83600
3	Stem	CW710R	No reference
4	Headpiece	CC491K	B 62 UNS C83600
5	Handwheel	0.6025	A 48-83 Gr. 35B

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09320	Technical data						
Nominal size	DN	50	65	80	100	125	150
Dimension code	.X.	0500	0650	0800	1000	1250	1500
Max working pressure	PN	16	16	16	16	10	10
Face-to-face dimension	FF	150	170	180	190	200	210
Height	H	255	295	315	345	400	430
Flange diameter	D	165	185	200	220	250	285
Width of flange	b	16	16	18	20	20	22
Handwheel-Ø	B	120	160	160	160	200	200
Weight	ca. kg	12.0	17.0	21.0	28.0	36.0	46.0

Dimensions in mm.



Valves for oil filled transformers

Type 09065

HEROSE



Flanged Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem
flanged connection acc. to DIN EN 1092-1 PN16

Part No. 09065.X.0160

Valve with opening indicator

Part No. 09065.X.9001

Valve with opening indicator and locking device without lock

Available options - on request only:

- Handwheel in cast iron
- Handwheel in bronze
- Valve with opening indicator and locking device with lock
- special flanged connections



Applications:

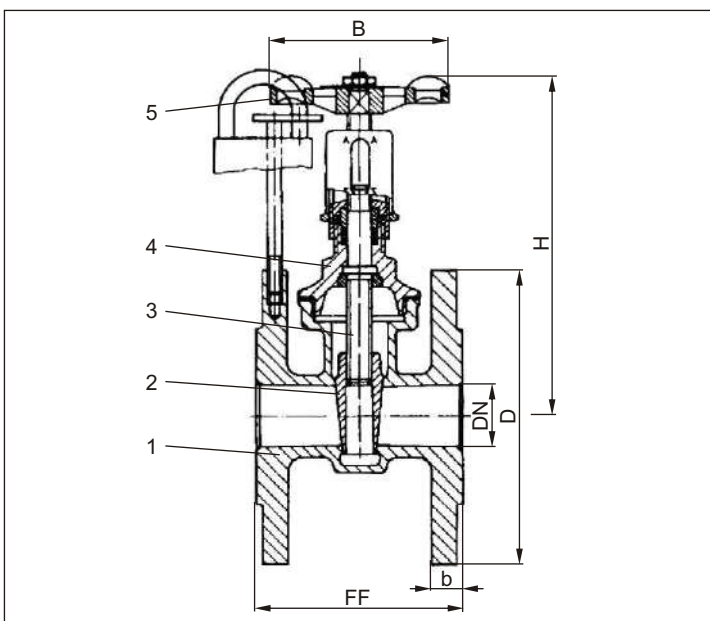
Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Wedge	CC491K	B 62 UNS C83600
3	Stem	CW612N	B 283 UNS C37700
4	Headpiece	CW612N	B 283 UNS C37700
5	Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09065	Technical data						
Nominal size	DN	25	32	40	50	65	80
Dimension code	.X.	0250	0320	0400	0500	0650	0800
Face-to-face dimension	FF	80	90	100	110	130	150
Height	H	140	160	180	290	290	290
Flange diameter	D	115	140	150	165	185	200
Width of flange	b	12	14	14	16	16	18
Handwheel-Ø	B	70	80	90	110	150	160
Weight	ca. kg	2.5	4.2	4.8	6.7	8.8	12.5

Dimensions in mm.



Valves for oil filled transformers

Type 12170

HEROSE



Plug cock in bronze, DIN 42544-A
with gland packing and square tap,
with cap and safety catch

Part No. 12170.X.0160
with round flanges drilled acc. to DIN PN 10

Part No. 55322.0003.0105
Plug key in bronze for plug cock DN 25

Part No. 55322.0004.0105
Plug key in bronze for plug cock DN 80

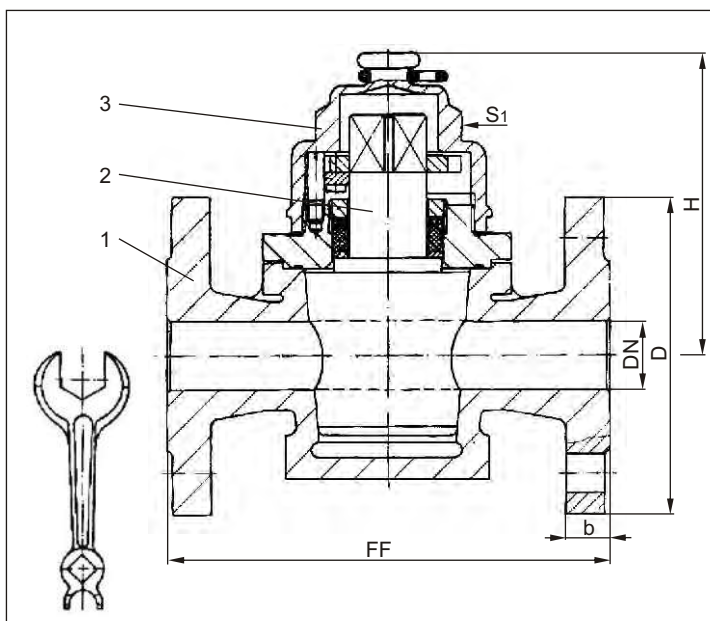


Applications:

Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Plug	CC491K	B 62 UNS C83600
3	Cap	CC491K	B 62 UNS C83600



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 12170	Technical data		
Nominal size	DN	25	80
Face-to-face dimension	FF	160	290
Height	H	110	155
Round-Flange-Ø	D	115	220
Width of flange	b	16	20
Wrench size across flats	S ₁	46	71
Weight	ca. kg	6.4	10.0

Dimensions in mm.



Valves for oil filled transformers

Type 14170

HEROSE



Three-way plug cock in bronze, DIN 42544-B
with gland packing and square tap,
with cap and safety catch,
with T-port and round flanges drilled acc. to DIN PN 10

Part No. 14170.X.LINK

Standard version, plug position stop left

Part No. 14170.X.RECH

Plug position stop right

Part No. 55322.0003.0105

Plug key in bronze for three-way plug cock DN 25

Part No. 55322.0004.0105

Plug key in bronze for three-way plug cock DN 80

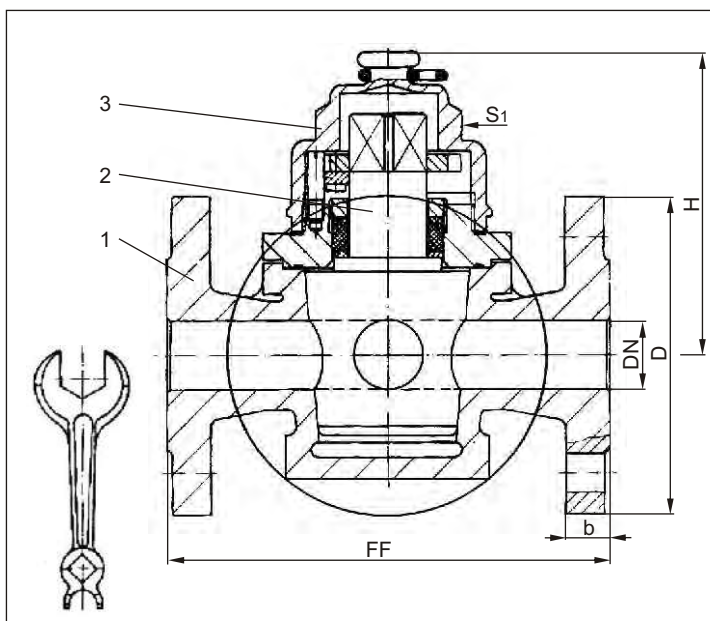


Applications:

Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Plug	CC491K	B 62 UNS C83600
3	Cap	CC491K	B 62 UNS C83600



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 14170	Technical data		
Nominal size	DN	25	80
Face-to-face dimension	FF	160	290
Height	H	110	155
Round-Flange-Ø	D	115	220
Width of flange	b	16	20
Wrench size across flats	S ₁	46	71
Weight	ca. kg	7.9	22.0

Dimensions in mm.



Valves for oil filled transformers

Type 14175

HEROSE



Three-way plug cock in bronze, DIN 42544-C
with gland packing and square tap,
with cap and safety catch,
with T-port and square flanges drilled acc. to Ø132x4xØ18

Part No. 14175.X.0160

Standard version, plug position stop left

Part No. 55322.0004.0105

Plug key in bronze for three-way plug cock DN 80

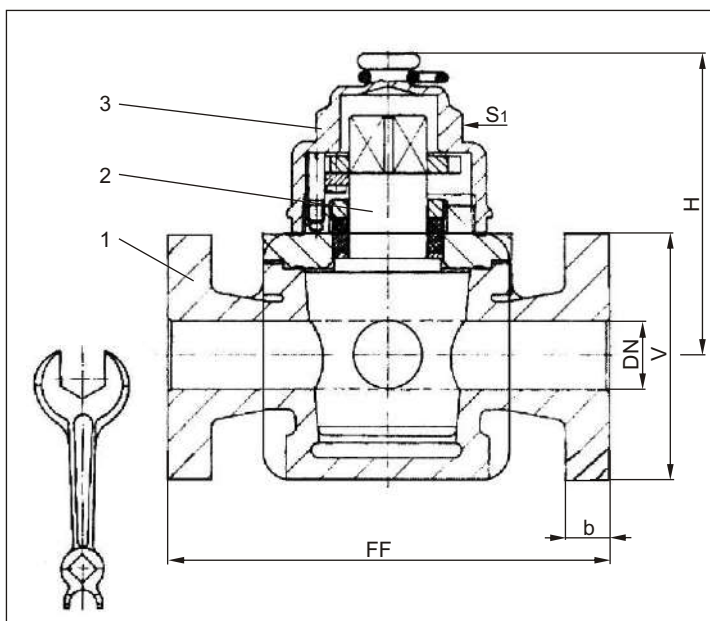


Applications:

Suitable for transformer oil.

Working temperatures: -25°C / -13°F (248K) up to +115°C / +239°F (388K) and maximal 5.0 bar

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Plug	CC491K	B 62 UNS C83600
3	Cap	CC491K	B 62 UNS C83600



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 14175	Technical data	
Nominal size	DN	80
Face-to-face dimension	FF	290
Height	H	155
Square-Flange-Ø	V	125
Width of flange	b	18
Wrench size across flats	S ₁	71
Weight	ca. kg	22.0

Dimensions in mm.



Valves for oil filled transformers

Type 55322

HEROSE



Plug key in bronze, DIN 42544

Part No. 55322.0003.0105

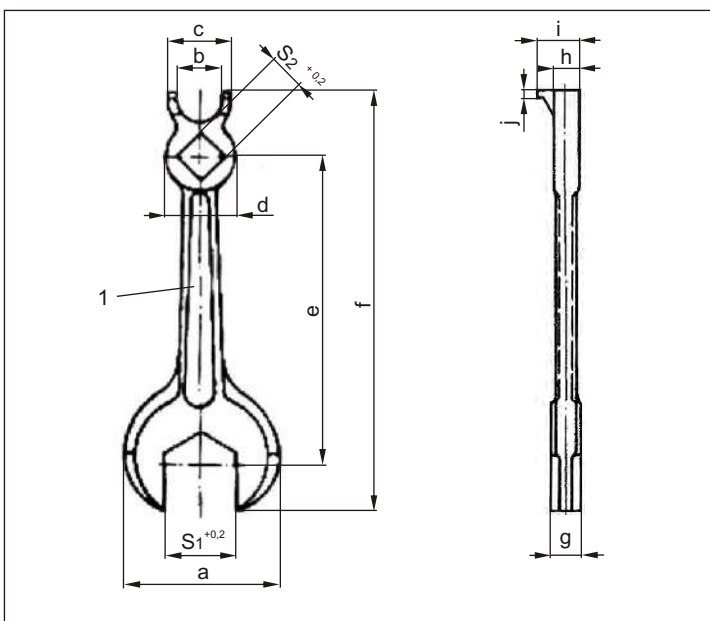
Plug key in bronze for three-way plug cock DN 25

Part No. 55322.0004.0105

Plug key in bronze for three-way plug cock DN 80



Materials	DIN EN	ASTM
1 Plug key	CC491K	B 62 UNS C83600



Type 55322	Technical data		
Nominal size	DN	25	80
Dimension code		0003.0105	0004.0105
Length	a	96	146
Length	b	30	56
Length	c	40	75
Length	d	43	75
Length	e	188.5	481.5
Length	f	260	588
Length	g	18	25
Length	h	15	20
Length	i	27	44
Length	j	5	5
Wrench size across flats	S ₁	46.5	71
Wrench size across flats	S ₂	22.2	41.2
Weight	ca. kg	0.9	3.8

Dimensions in mm.



Globe Valves

Type 01021

HEROSE



Globe Valves, PN16, DIN 3844

Bronze body, screwed topwork in brass

Part No. 01021.X.0000

Part No. 01021.X.5000 Globe/Check Valve

Female thread connection (G) acc. to ISO 7-1 Rp

Available options - on request only:

- Handwheel in plastic DIN 388-1
- Valve with safety plate in brass



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

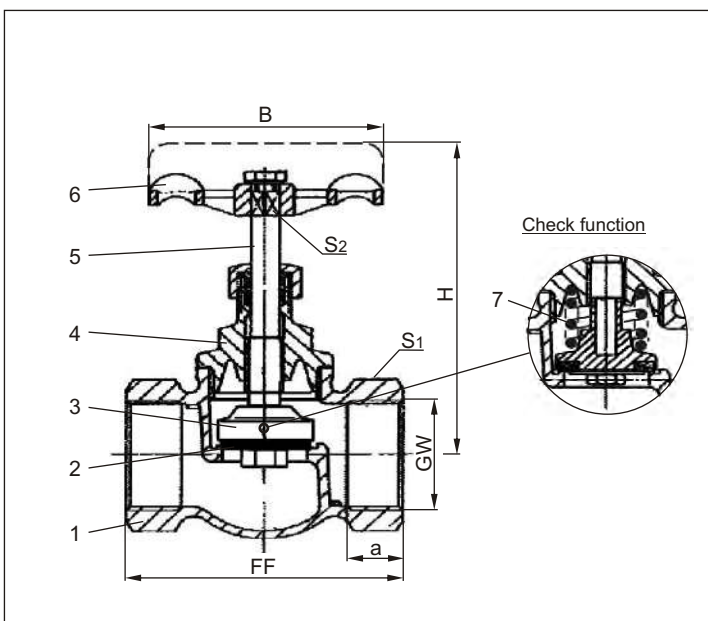
Working temperatures and pressures:

- up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)
- up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)
- up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Disc	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Stem	CW612N	B 283 UNS C37700
6 Handwheel	Zinc diecasting	
7 Spring	1.4310	A 276 Grade 302

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 01021	Technical data								
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	50	50	60	70	80	95	105	130
Height	H	75	75	85	95	105	120	130	145
Socket depth	a	9	10	13	14	17	19	19	23
Handwheel-Ø	B	40	40	50	60	70	80	90	110
Wrench size across flats	S ₁	22	22	27	32	41	50	58	70
Wrench size across flats	S ₂	4.5	4.5	5	6	7	8	9	9
Weight	ca. kg	0.25	0.25	0.3	0.43	0.7	1.0	1.3	2.1

Dimensions in mm.



Globe Valves

Type 01131

HEROSE



Globe Valves, angle type, PN16
Bronze body, screwed topwork in brass

Part No. 01131.X.0000
Female thread connection (G) acc. to ISO 7-1 Rp

Available options - on request only:

· external parts nickel plated



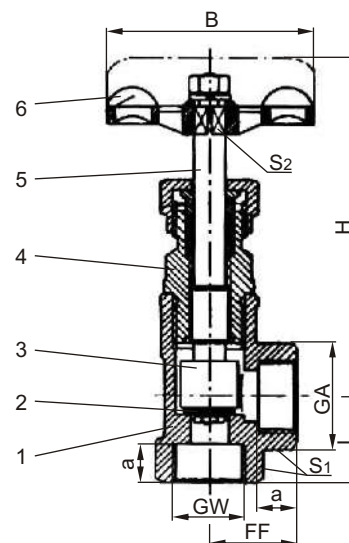
Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures: -10°C / +14°F (263K) up to +185°C / +365°F (458K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Disc	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Stem	CW612N	B 283 UNS C37700
6 Handwheel	Zinc diecasting	



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 01131	Technical data					
Nominal size	GW	1/2	3/4	1	1-1/2	2
Dimension code	.X.	0400	0600	1000	1400	2000
Face-to-face dimension	FF	25	37.5	42.5	48	56
Length	L	25	35	36	48	56
Height	H	95	110	135	155	190
Socket depth	a	12	19	19	18	20
Thread size	GA	1/2	3/4	1	1-1/2	2
Handwheel-Ø	B	70	70	80	80	80
Wrench size across flats	S ₁	27	32	41	58	70
Wrench size across flats	S ₂	7	8	9	8	9
Weight	ca. kg	0.4	0.6	1.0	1.6	2.5

Dimensions in mm.



Globe Valves

Type 03021

HEROSE



Globe Valves, PN16

Bronze body, screwed topwork in brass

Part No. 03021.X.0160

Part No. 03021.X.5160 Globe/Check Valve

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

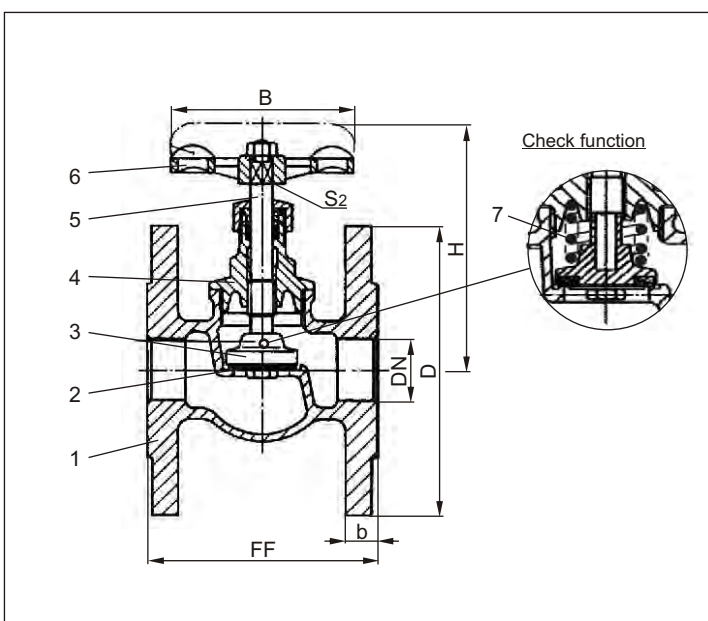
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Disc	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Stem	CW612N	B 283 UNS C37700
6 Handwheel	Zinc diecasting	
7 Spring	1.4310	A 276 Grade 302

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 03021	Technical data					
Nominal size	DN	20	25	32	40	50
Dimension code	.X.	0200	0250	0320	0400	0500
Face-to-face dimension	FF	80	90	95	110	125
Height	H	95	105	120	130	145
Flange diameter	D	105	115	140	150	165
Width of flange	b	12	12	14	14	16
Handwheel-Ø	B	60	70	80	90	110
Wrench size across flats	S ₂	6	7	8	9	9
Weight	ca. kg	1.9	2.5	3.8	4.4	6.5

Dimensions in mm.



Globe Valves

Type 03050

HEROSE



Globe Valves, PN16, DIN 86 260-A

Bronze body and topwork
metal to metal seated

Part No. 03050.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16
face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

- Disc with PTFE seal
- Valve with control disc (tapered design) and PTFE seal



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

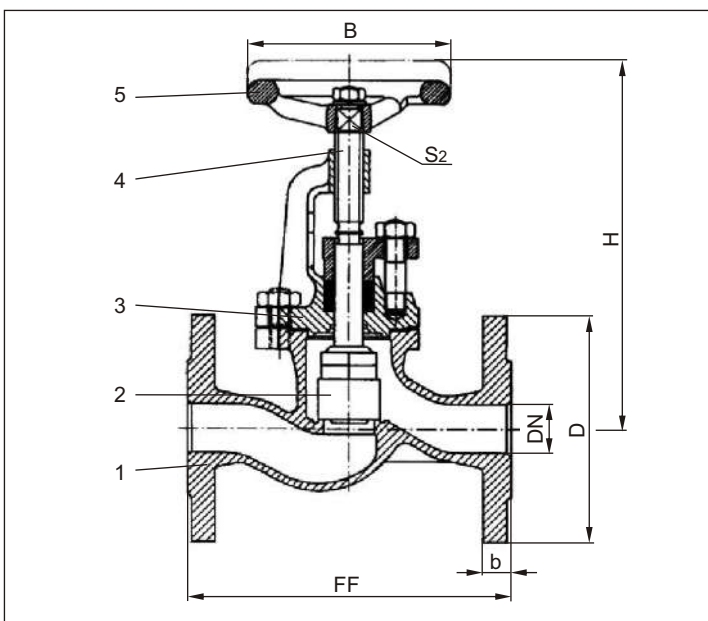
The laws, regulations and standards are to observe for the range of application.

Working temperatures: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Disc	CC491K	B 62 UNS C83600
3	Headpiece	CC491K	B 62 UNS C83600
4	Stem	CW710R	no reference
5	Handwheel	cast iron	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 03050	Technical data									
Nominal size	DN	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	160	180	200	230	290	310	350	400	480
Height	H	210	220	250	250	315	335	375	420	460
Flange diameter	D	115	140	150	165	185	200	220	250	285
Width of flange	b	12	14	14	16	16	18	20	20	22
Handwheel-Ø	B	100	125	150	150	185	200	200	225	250
Wrench size across flats	S ₂	9	11	12	12	14	17	17	19	22
Weight	ca. kg	6.0	8.0	10.0	12.0	17.0	23.0	30.0	50.0	65.0

Dimensions in mm.



Globe Valves

Type 03080

HEROSE



Globe Valves, PN16, DIN 3356-1

Body and topwork in cast iron
seat and disc in stainless steel, metal to metal seated

Part No. 03080.X.0000

Flanged connection acc. to DIN EN 1092-1 PN16
face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

- Angled Valves
- Valve with control disc



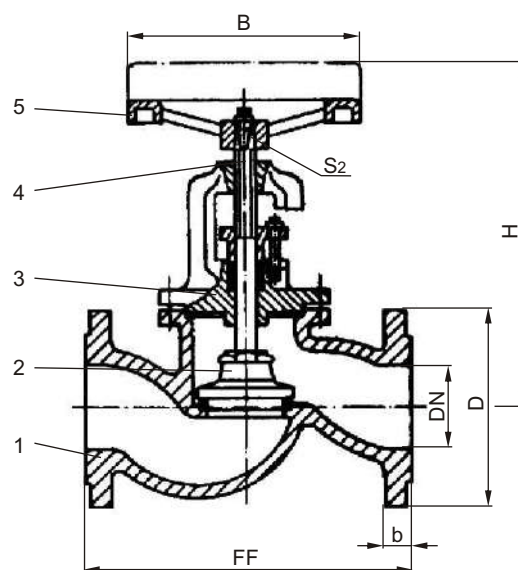
Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.
The laws, regulations and standards are to observe for the range of application.
Working temperatures: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

Materials	DIN EN	ASTM
1 Body	0.6025	A 48-83 Gr. 35B
2 Disc	1.4021	A 276 Grade 420
3 Headpiece	0.6025	A 48-83 Gr. 35B
4 Stem	1.4021	A 276 Grade 420
5 Handwheel	cast iron	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 03080	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	180	180	190	190	225	235	265	290	345	375	465
Flange diameter	D	95	105	115	140	150	165	185	200	220	250	285
Width of flange	b	12	12	12	14	14	16	16	18	20	20	22
Handwheel-Ø	B	120	120	140	140	160	160	180	200	225	250	300
Wrench size across flats	S ₂	10	10	12	12	13	13	14	15	17	18	21
Weight	ca. kg	3.5	4.0	5.0	6.8	9.3	11.7	16.0	23.5	35.0	52.0	75.5

Dimensions in mm.



Globe Valves

Type 03090

HEROSE



Globe Valves, PN40, DIN 3356-1

Body and topwork in cast steel
seat and disc in stainless steel, metal to metal seated

Part No. 03090.X.0000

Flanged connection acc. to DIN EN 1092-1 PN40
face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

- Angled Valves
- Valve with control disc



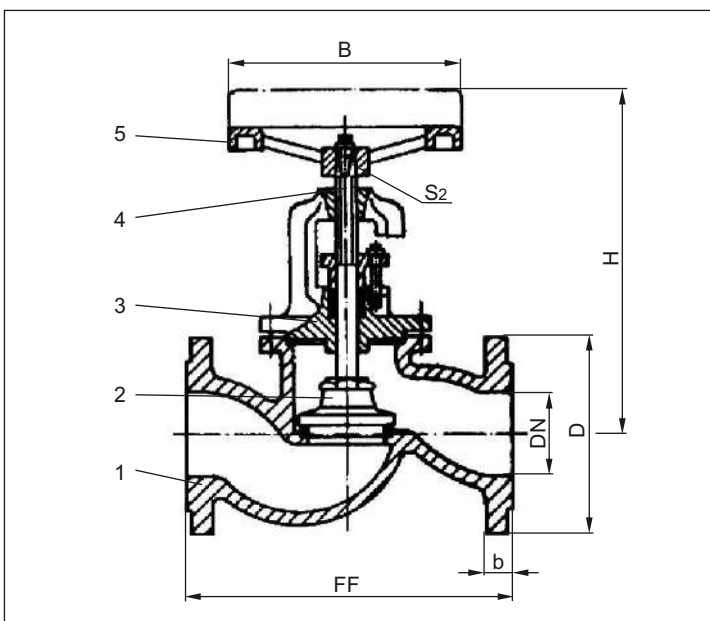
Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.
The laws, regulations and standards are to observe for the range of application.
Working temperatures: -10°C / +14°F (263K) up to +400°C / +752°F (673K)

Materials	DIN EN	ASTM
1 Body	1.0619	A 216 Grade WCB
2 Disc	1.4021	A 276 Grade 420
3 Headpiece	1.0619	A 216 Grade WCB
4 Stem	1.4021	A 276 Grade 420
5 Handwheel	cast iron	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 03090	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	190	190	205	205	245	255	295	325	380	425	520
Flange diameter	D	95	105	115	140	150	165	185	200	235	270	300
Width of flange	b	12	12	12	14	14	16	16	18	20	20	22
Handwheel-Ø	B	120	120	140	140	160	160	180	200	225	250	300
Wrench size across flats	S ₂	10	10	12	12	13	13	14	15	17	18	21
Weight	ca. kg	4.4	5.4	6.3	7.0	10.5	13.8	21.0	27.5	40.0	61.0	88.5

Dimensions in mm.





Bellow Sealed Globe Valves, PN40

Body and topwork in cast steel

disc and bellow in stainless steel, metal to metal seated

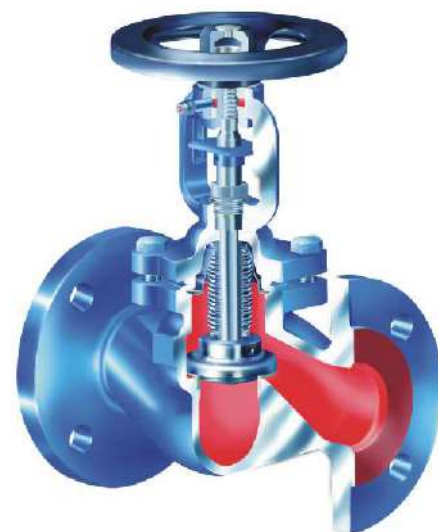
Part No. 03432.X.0000

Flanged connection acc. to DIN EN 1092-1 PN40

face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

· Angled Valves



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

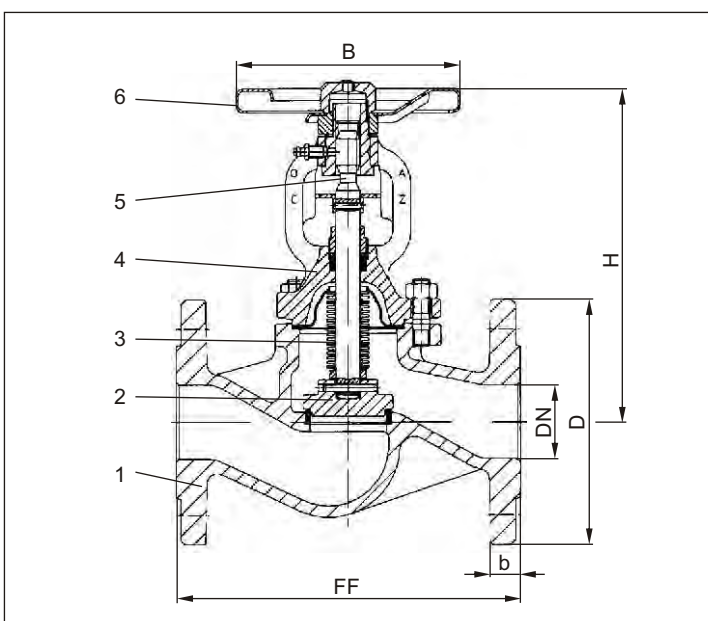
The laws, regulations and standards are to observe for the range of application.

Working temperatures: -10°C / +14°F (263K) up to +400°C / +752°F (673K)

Materials	DIN EN	ASTM
1 Body	1.0619	A 216 Grade WCB
2 Disc	1.4021	A 276 Grade 420
3 Bellow	1.4571	A 276 Grade 316Ti
4 Headpiece	1.0619	A 216 Grade WCB
5 Stem	1.4021	A 276 Grade 420
6 Handwheel	cast iron	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 03432	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	191	191	197	200	218	220	238	257	340	360	390
Flange diameter	D	95	105	115	140	150	165	185	200	235	270	300
Width of flange	b	12	12	12	14	14	16	16	18	20	20	22
Handwheel-Ø	B	125	125	125	125	150	150	175	225	300	300	400
Weight	ca. kg	4.3	4.8	6.3	7.3	10.3	12.6	19.0	25.0	35.0	56.0	74.0

Dimensions in mm.



Needle Valves

Type 04010

HEROSE



Needle Valves, PN40

Brass body and topwork
with needle cone

Part No. 04010.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

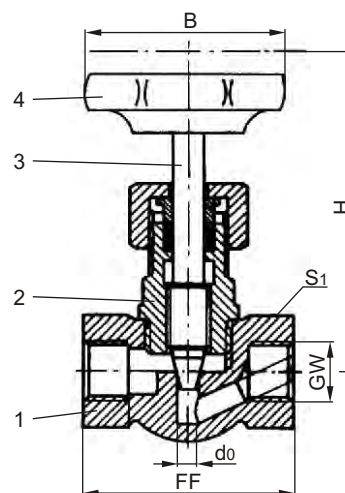
The laws, regulations and standards are to observe for the range of application.

Working temperatures: -10°C / +14°F (263K) up to +100°C / +212°F (373K)

Materials		DIN EN	ASTM
1	Body	CW614N	B 283 UNS C38500
2	Headpiece	CW612N	B 283 UNS C37700
3	Stem	CW612N	B 283 UNS C37700
4	Handwheel	Plastic	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 04010	Technical data						
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4
Dimension code	.X.	0200	0300	0400	0600	1000	1200
Face-to-face dimension	FF	50	50	5	67	75	110
Height	H	80	80	80	90	95	105
Flow diameter	d ₀	5.0	6.0	6.5	9.0	11.0	13.0
Handwheel-Ø	B	50	50	65	65	65	90
Wrench size across flats	S ₁	22	22	25	32	40	54
Weight	ca. kg	0.30	0.30	0.35	0.55	0.75	1.80

Dimensions in mm.



Self Closing Globe Valves

Type 01028

HEROSE



Self closing Globe Valve, PN16

Bronze body and lever,
gland with FPM O-Rings

Part No. 01028.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Applications:

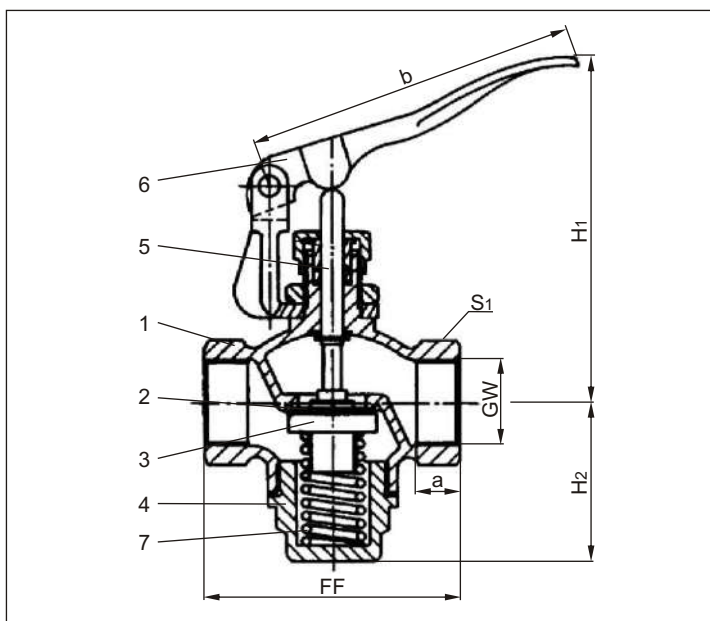
Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures: -10°C / +14°F (263K) up to +165°C / +329°F (438K)

Pay attention to pressure-temperature reduction.

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	FPM (VITON)	
3 Disc	CW612N	B 283 UNS C37700
4 Plug	CW612N	B 283 UNS C37700
5 Stem	1.4104	A 276 Grade 430F
6 Lever	CC491K	B 62 UNS C83600
7 Spring	1.4310	A 276 Grade 302



Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

Type 01028	Technical data			
Nominal size	GW	1/2	3/4	1
Dimension code	.X.	0400	0600	1000
Face-to-face dimension	FF	70	80	95
Height	H ₁	120	120	130
Height	H ₂	50	55	60
Socket depth	a	12	14	16
Length	b	123	123	123
Wrench size across flats	S ₁	27	33	41
Weight	ca. kg	0.8	0.9	1.4

Dimensions in mm.



Control Valves

Type 04020

HEROSE



Control Valves, PN16, DIN 3844

Control characteristic: linear
Bronze body, screwed topwork in brass
with opening indicator

Part No. 04020.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

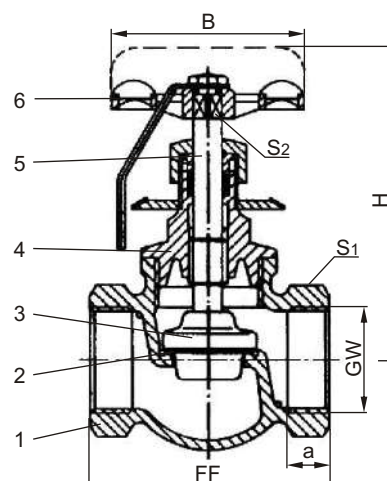
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Control disc	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Stem	CW612N	B 283 UNS C37700
6 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 04020	Technical data							
Nominal size	GW	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	50	60	70	80	95	105	130
Height	H	75	85	95	105	120	130	145
Socket depth	a	10	13	14	17	19	19	23
Handwheel-Ø	B	40	50	60	70	80	90	110
Wrench size across flats	S ₁	22	27	32	41	50	58	70
Wrench size across flats	S ₂	4.5	5	6	7	8	9	9
Weight	ca. kg	0.35	0.4	0.5	0.7	1.1	1.4	2.3
Kvs – Value	m ³ /h	1.5	2.0	4.0	6.0	12.0	16.0	25.0

Dimensions in mm.



Control Valves

Type 04041

HEROSE



Control Valves, PN16

Control characteristic: linear
Bronze body, screwed topwork in brass
with opening indicator

Part No. 04041.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

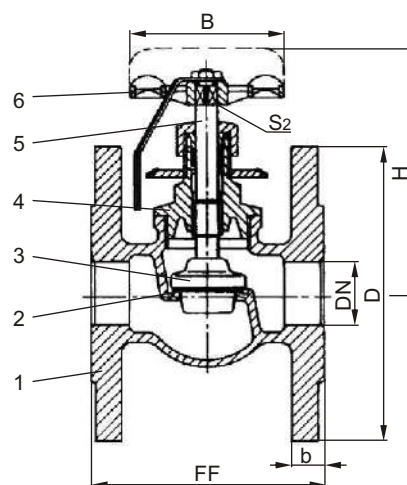
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Control disc	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Stem	CW612N	B 283 UNS C37700
6 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 04041	Technical data						
Nominal size	DN	15	20	25	32	40	50
Dimension code	.X.	0150	0200	0250	0320	0400	0500
Face-to-face dimension	FF	65	80	90	95	110	125
Height	H	85	95	105	120	130	145
Flange diameter	D	95	105	115	140	150	165
Width of flange	b	10	12	12	14	14	16
Handwheel-Ø	B	50	60	70	80	90	110
Wrench size across flats	S ₂	5	6	7	8	9	9
Weight	ca. kg	1.4	2.0	2.6	3.9	4.5	6.6
Kvs – Value	m ³ /h	2.0	4.0	6.0	12.0	16.0	25.0

Dimensions in mm.





Control Valves with Pneumatic Actuator, PN50 (DN150 = PN40)

Control characteristic: linear or equal percentage

Stainless steel body and topwork

Actuator - air opens, spring closes or contrary

"live loaded" gland packing

"cleaned and degreased for oxygen service" - the actuator is not cleaned and degreased for oxygen

Part No. 01343.X.161*

*Butt weld connection for stainless steel pipes acc. to DIN EN ISO 1127 or ASTM A312

Part No. 01343.X.1614

Socket weld connection for stainless steel pipes acc. to DIN EN ISO 1127 and ASTM A312

Accessories for Control Valves - see page 31 & 32

Available options - on request only:

- Welded stainless steel stubs acc. to DIN EN ISO 1127 or ASTM A312 - length FF + 150mm
- Actuator - "cleaned and degreased for oxygen service"
- Electric actuator
- Bellow sealed option

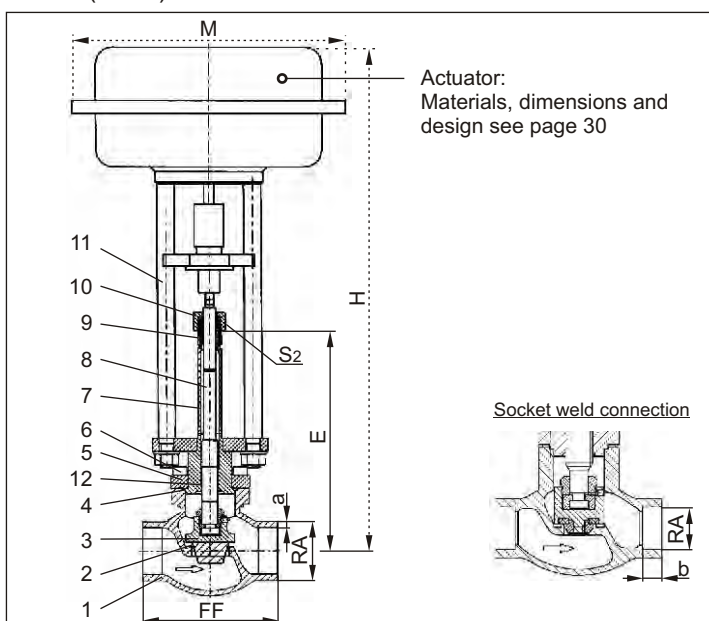
Applications:

Approved for air gases and cryogenic liquefied gases such as oxygen, nitrogen, krypton, carbon dioxide, argon, dinitrogen monoxide, trifluormethan, carbon oxide, methane, ethane and ethylene.

Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)



Materials	DIN EN	ASTM
1 Body	1.4308	A 351 CF8
2 Valve seal	PTFE / Carbon filled (25%)	
3 Disc	1.4301	A 276 Grade 304
4 Bonnet gasket	PTFE	
5 Headpiece	1.4301	A 276 Grade 304
6 Bolts	1.4301/A2	A 194 B8
7 Elongation tube	1.4541	A 213 TP 321
8 Stem	1.4301	A 276 Grade 304
9 Gland packing	Graphite / PTFE	
10 Gland nut	1.4305	A 276 Grade 303
11 Pillars	1.4301	A 276 Grade 304
12 Bush	CW452K	B 103 UNS C51900



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



Type 01343 - Control Valve	Technical data													
Nominal size	DN	10	15	15	20	25	32	40	40	50	65	80	100	150
Dimension code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060	6570	8088	0114	0168
Face-to-face dimension	FF	70	85	85	100	115	115	130	130	155	205	245	280	400
Height	H	dependent on actuator												
Length	E	195	195	195	200	200	230	230	230	235	300	300	300	350
Outside pipe-Ø DIN EN ISO 1127	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
Wall thickn. pipe DIN EN ISO 1127	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
Outside pipe-Ø ASTM A312	RA	13.72	17.15	21.34	26.67	33.40	-	42.16	48.26	60.33	73.03	88.90	114.3	168.3
Wall thickness pipe ASTM A312	a	S10	S40	S10	S10	S10	-	S10	S10	S10	S40	S10	S40	S40
Socket depth	b	6	10	10	13	13	-	13	13	16	16	16	20	-
Actuator-Ø	M	dependent on actuator												
Wrench size across flats	S ₂	30	30	30	30	30	36	36	36	36	36	36	41	41
Weight w/o actuator	ca. kg	1.9	2.15	2.2	2.4	3.1	3.8	6.5	6.5	9.0	15.2	20.0	28.0	61.0
Kvs - Value linear/ equal percent.	m ³ /h	see table page 29												
Cv - Value linear/ equal percent.	gal /min	see table page 29												

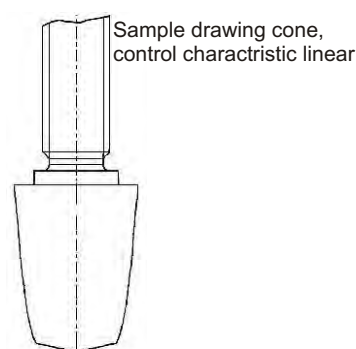
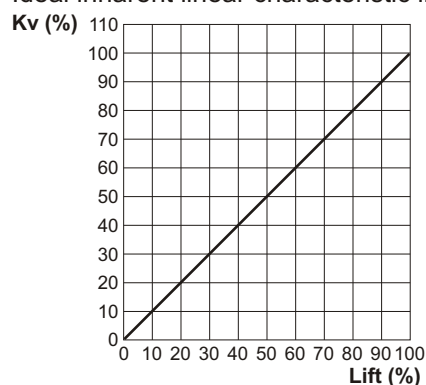
Dimensions in mm.





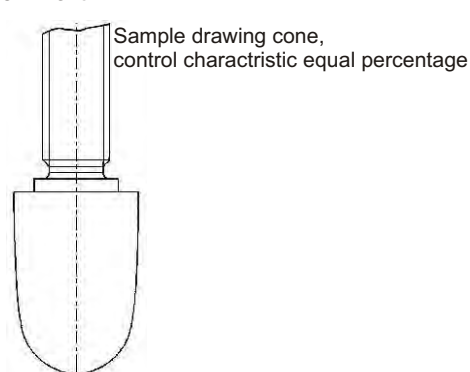
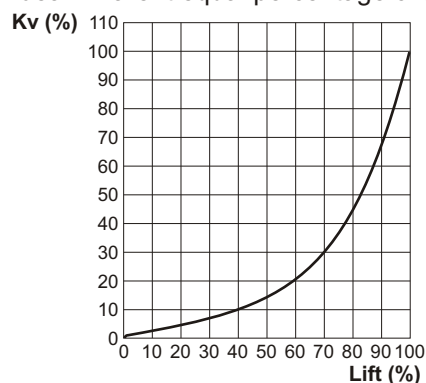
Type 01343 Control valve	Flow coefficient for Control Valves – Control characteristic linear Kvs-Value in m ³ /h, Cv-Value in gal/min																	
Lift in mm	20		20		20		30		30		30		40		40		40	
Seat-Ø in mm	15		20		25		32		36		45		62		76		94	
Nominal size	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv
DN 15	3.5	4.1																
DN 20			6.3	7.3														
DN 25					10.0	11.6												
DN 32							16.0	18.6										
DN 40									19.0	22.1								
DN 50											30.0	34.9						
DN 65													in preparation					
DN 80															in preparation			
DN 100																	in preparation	

Ideal inhärent linear characteristic line acc. to DIN IEC 60534 Part 2-4



Type 01343 Control valve	Flow coefficient for Control Valves – Control characteristic equal percentage Kvs-Value in m ³ /h, Cv-Value in gal/min																	
Lift in mm	20		20		20		30		30		30		40		40		40	
Seat-Ø in mm	15		20		25		32		36		45		62		76		94	
Nenngröße	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv	Kvs	Cv
DN 15	3.5	4.1																
DN 20			4.0	1.7														
			6.0	7.0														
DN 25					2.5	2.9												
					4.5	5.2												
					6.3	7.3												
					10.0	11.6												
DN 32							10.0	11.6										
							14.0	16.3										
DN 40									10.0	11.6								
									19.0	22.1								
DN 50											10.0	11.6						
											16.0	18.6						
											25.0	29.1						
											30.0	34.9						
DN 65													in preparation					
DN 80															in preparation			
DN 100																	in preparation	

Ideal inhärent equal percentage characteristic curve acc. to DIN IEC 60534 Part 2-4





Pneumatic Actuators

Standard actuator - air opens, spring closes
maximum air pressure for operation 6.0 bar ü
Actuator coating outside - Epoxy resin

Available options - on request only:

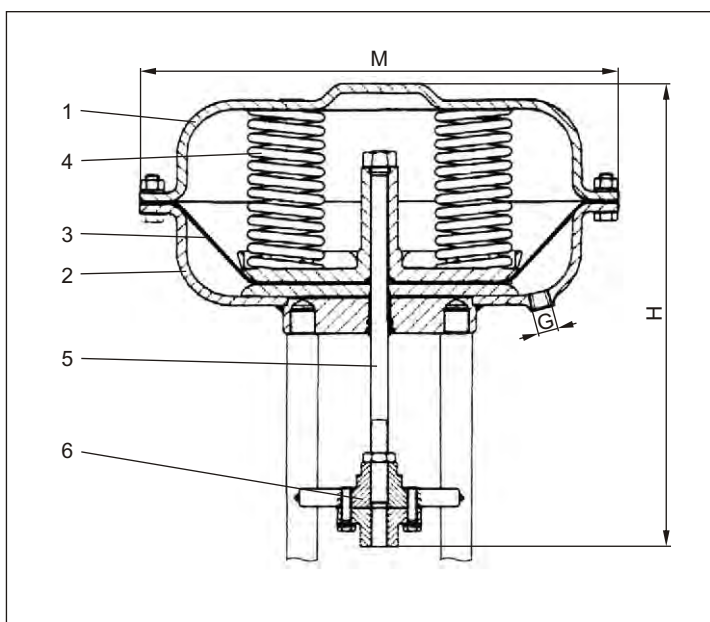
- Actuator - spring opens, air closes
- Actuator - cleaned and degreased for oxygen service
- Pneumatic actuator with override handwheel



Overview - required actuator sizes for different working pressures

Code in Table	Part No. Actuator	Nom. Size	Lift in mm	Working pressure in bar												
				2	4	5	6	8	10	15	17	20	25	30	35	40
A	27511.15A6.3SPO	DN 10	14	A	A	A	A	A	A	A	A	A	A	A	A	A
B	27511.35B6.6GPO	DN 15	14	A	A	A	A	A	A	A	A	A	A	A	A	A
C	27511.60A6.6GPO	DN 20	12	A	A	A	A	A	A	A	A	A	A	B	B	B
D	27511.60C6.7GPO	DN 25	14	A	A	A	A	A	A	A	B	B	B	B	B	B
E	27511.41B6.6SPO	DN 32	15	A	A	A	A	A	A	B	B	B	B	B	B	C
F	27511.41C6.2SPO	DN 40	18	B	B	B	B	B	B	B	B	B	C	C	C	C
		DN 50	19	B	B	B	B	B	B	C	C	C	D	D	E	E
		DN 65	25	C	C	C	C	C	C	D	D	E	E	E	F	o.r.
		DN 80	30	C	C	C	D	D	E	E	E	F	F	F	o.r.	o.r.
		DN 100	30	C	C	D	D	E	E	F	o.r. – on request					
		DN 150	40	D	E	F	o.r. – on request									

Materials	DIN EN	ASTM
1 Body	1.0333	A 619 Grade 1008
2 Body	1.0333	A 619 Grade 1008
3 Diaphragm	NBR	
4 Springs	1.1200	A 576 Grade 1045
5 Actuator stem	1.4301	A 276 Grade 304
6 Coupling	CC333G	B 148 UNS C95800



Type 27511		Technical data					
		27511					
Part No. Actuator		.15A6.3SPO	.35B6.6GPO	.60A6.6GPO	.60C6.7GPO	.41B6.6SPO	.41C6.2SPO
Diameter actuator	M	162	210	320	320	415	415
Height	H	204	260	296	339	399	570
Thread	G	M12	M12	M12	M12	M16	M16
Diaphragm area	cm ²	120	280	530	530	1000	1000
Spring range	bar	0.9 – 2.0	0.8 – 3.0	0.8 – 2.8	0.7 – 3.0	0.6 – 2.3	1.0 – 2.5
Regulating lift	mm	20	35	40	60	60	80
Weight	ca. kg	3.0	5.0	12.5	14.0	47.0	76.0

Dimensions in mm.



Control Valves

Type 01343 - Accessories



Accessories for Control Valves

3/2 way Solenoid Valve

direct acting solenoid valve DN3, fast acting, for neutral medium like air and water
port connections G1/4, body in brass, NBR seal,
circuit function: power free - outlet balanced, Pressure range 0 - 10.0 bar, Voltage tolerance $\pm 10\%$,
Ambient temperature max $+55^{\circ}\text{C}$ / 131°F , with flat seal and fixing screw

Standard version

Protecting class IP65, with cable plug for cable- $\varnothing 7$ mm, Medium temperature: 0°C / 32°F up to $+80^{\circ}\text{C}$ / 176°F

Part No. 40060.0200.C024

Operating voltage 24V, AC (50Hz)

Part No. 40060.0200.C110

Operating voltage 110V, AC (50Hz)

Part No. 40060.0200.C230

Operating voltage 230V, AC (50Hz)

Part No. 40060.0200.C24D

Operating voltage 24V, DC



Standard version

EEx-protected version

Protecting class IP65 EEx ed IIC T5, with cable $3 \times 0.75 \text{ mm}^2$, Medium temperature: 0°C / 32°F up to $+70^{\circ}\text{C}$ / 158°F
semi time-lag fuse acc. to nominal voltage

Part No. 40061.0200.C024

Operating voltage 24V, UC

Part No. 40061.0200.C230

Operating voltage 230V, UC

UC = DC and AC



EEx-protected version

Available options - on request only:

- Solenoid Valve "cleaned and degreased for oxygen"
- other port connections (1/4"NPT, G1/8), body and seat material 1.4401
- seal material EPDM or FPM, circuit function: power free - outlet pressure loaded

Position and Limit Switches

Limit switch (0/100%) with parallel roller lever and fixing device, quick-break switch,
Max. fuse rating 6A gL/gD D-fuse, Switching frequency 3600/h,

Part No. 40070.0011.0000Z - Standard version

Protecting class IP65 acc. to EN 60529,

Rated operating current/-voltage I_e/U_e : 6A / 400VAC, 3 cable entries M16 x 1.5,
change-over contact with double break (1 break contact / 1 make contact),

Ambient temperature -20°C / -4°F up to $+80^{\circ}\text{C}$ / 176°F

Part No. 40071.0011.0000Z - EEx-protected version

Protecting class IP67 acc. to EN 60529, EEX d IIC T6,

Rated operating current/-voltage I_e/U_e : 5A / 250VAC, with cable $4 \times 0.75 \text{ mm}^2$,
change-over contact with single break (1 break contact / 1 make contact),

Ambient temperature -20°C / -4°F up to $+65^{\circ}\text{C}$ / 149°F

Available options - on request only:

- overrun limit switch to signal intermediate positions



Standard version



EEx-protected version

Inductive proximity switches

Functions: inductive, Switching element function NAMUR NC, Output polarity NAMUR, Rated operating distance 2mm,
Assured operating distance 0 - 1.62 mm, Installation embeddable,
Nominal voltage 8V, Switch frequency 0 - 1000 Hz, Short-circuit and reverse polarity protection,
Indication of the switching state all direction LED yellow, with cable $2 \times 0.34 \text{ mm}^2$ and fixing device

Part No. 40080.1235.0000Z

Protecting class IP67 acc. to EN 60529, EEX ia IIC T6



Control Valves

Type 01343 - Accessories

HEROSE

Accessories for Control Valves

Air Control sets

Diaphragm pressure regulator with secondary ventilation,
Installation position vertical - drain plug at bottom,
Inlet pressure maximal 16.0 bar, Pore diameter in filter element 5µm,
filter element in Polyethylen (sintered), port connections G1/4, brass body,
with NBR seal, tank capacity maximal 0.35 cm³ condensate, condensate draining manuel,
Ambient temperature max +60°C / 140°F,
including pressure gauge and fixing accessories

Part No. 08002.021K.0000Z

condensate tank Polycarbonat, control range 0.5 - 10.0 bar,

Available options - on request only:

- condensate tank in brass, control range 0.5 - 16.0 bar,
- port connections G1/8



Condensate-tank
Polycarbonat



Condensate-tank
brass

Electropneumatic positioner for pneumatic Actuator

ATTENTION - operate only with dry, oil-free air acc. to IEC654-2 !
Protecting class IP65 acc. to EN 60529, with fixing device

Part No. 40090.6136.0000

Operation: simple, Inlet air pressure: max. 6.0 bar - connection with female thread G1/4

Electrical connection: screw type terminals 2.5 mm², cable gland: M 20 x 1.5

Set point x: 4 - 20 mA with 2 conductor connections
0/4 - 20 mA with 3/4 conductor connections
Auxiliary power with 3/4 conductor connections: UH: 18-30V DC

Internal resistance: Ri = 500 Ohm (2-wire)

Ri = 50 Ohm (3/4-wire)

Ambient temperature: -30°C / -22°F up to +80°C / 176°F



Part No. 40090.6137.0000

Digital electropneumatic positioner with Self-tuning after manuel release,
3 step opening characteristic, lift range 10 - 80 mm adjustable, with key pad
operating voltage: 24 V DC 0.4 A, electrical power consumption: ca 10W 4-wire circuit,
Inlet air pressure: max. 6.0 bar - connection with female thread G1/8, Air output: 70l/min

Electrical connection: screw type terminals 1.5 mm², 2 x PG9 cable bushings

Signal input: 0/4 - 20 mA or 0 - 10V
Auxiliary power 24 V = ca 0.4 A

Internal resistance: Ri = ca. 200 Ohm



Pneumatic positioner for pneumatic Actuator

ATTENTION - operate only with dry, oil-free air acc. to IEC654-2 !
Protecting class IP54 acc. to EN 60529, with fixing device

Part No. 40090.0981.0000

Operation: simple, Inlet air pressure: max. 6.0 bar - connection with female thread G1/8

Independent adjustment of stroke range and zero,
Signal range 0.2 - 1.0 bar or split range down to Δw 0.2 bar,
adjustable amplification and damping,
Ambient temperature: -40°C / -40°F up to +80°C / 176°F



other available positioner - on request only::

- analog positioner





Check Valves, PN16, DIN EN 3845-2

Bronze body, screwed cap in brass

Part No. 05011.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp
Disc with FPM seal

Part No. 05012.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp
Disc with PTFE seal

Available options - on request only:

- Disc with EPDM seal
- Disc with NBR seal

Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

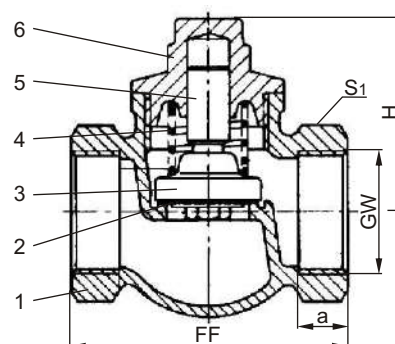
up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)



Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Seal Type 05011	FPM	
2 Seal Type 05012	PTFE	
3 Disc	CW612N	B 283 UNS C37700
4 Spring	1.4310	A 276 Grade 302
5 Guide piece	CW612N	B 283 UNS C37700
6 Cap	CW612N	B 283 UNS C37700

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05011 & 05012	Technical data							
Nominal size	GW	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	50	60	70	80	95	105	130
Height	H	40	40	50	55	55	65	75
Socket depth	a	10	13	14	17	19	19	23
Wrench size across flats	S ₁	22	27	32	41	50	58	70
Weight	ca. kg	0.2	0.3	0.4	0.6	0.9	1.3	2.0

Dimensions in mm.



Check Valves

Type 05083

HEROSE



Check Valves, PN16

Bronze body, screwed cap in brass

Part No. 05083.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16

Disc with FPM seal

Available options - on request only:

· Disc with PTFE seal



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

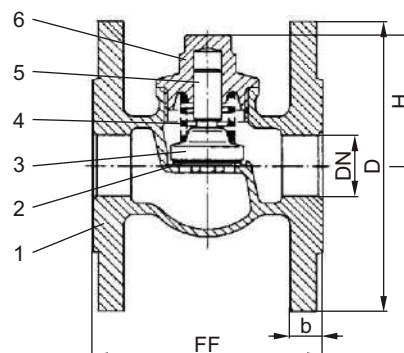
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	FPM	
3 Disc	CW612N	B 283 UNS C37700
4 Spring	1.4310	A 276 Grade 302
5 Guide piece	CW612N	B 283 UNS C37700
6 Cap	CW612N	B 283 UNS C37700

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05083	Technical data					
Nominal size	DN	20	25	32	40	50
Dimension code	.X.	0200	0250	0320	0400	0500
Face-to-face dimension	FF	80	90	95	110	125
Height	H	50	55	55	65	75
Flange diameter	D	105	115	140	150	165
Width of flange	b	12	12	14	14	16
Weight	ca. kg	1.9	2.6	3.7	4.3	6.4

Dimensions in mm.



Check Valves

Type 05082

HEROSE



Check Valves, PN16

Bronze body and cap
metal to metal seated

Part No. 05082.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

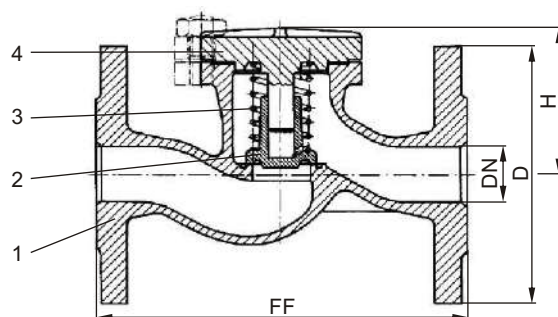
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Disc	CC491K	B 62 UNS C83600
3	Spring	1.4310	A 276 Grade 302
4	Cap	CC491K	B 62 UNS C83600

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05082	Technical data										
Nominal size	DN	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	150	160	180	200	230	290	310	350	400	480
Height	H	70	75	80	90	100	110	130	150	170	190
Flange diameter	D	105	115	140	150	165	185	200	220	250	285
Weight	ca. kg	4.0	5.0	6.0	8.5	11.0	15.0	20.0	25.0	40.0	55.0

Dimensions in mm.



Check Valves

Type 05110

HEROSE

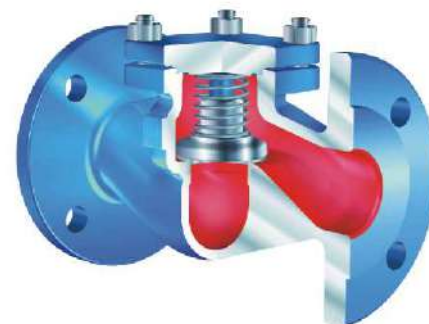


Check Valves, PN16

Body and cap in cast iron
seat and disc in stainless steel, metal to metal seated

Part No. 05110.X.0000

Flanged connection acc. to DIN EN 1092-1 PN16
face-to-face dimension acc. to DIN EN 558-1, Reihe 1



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

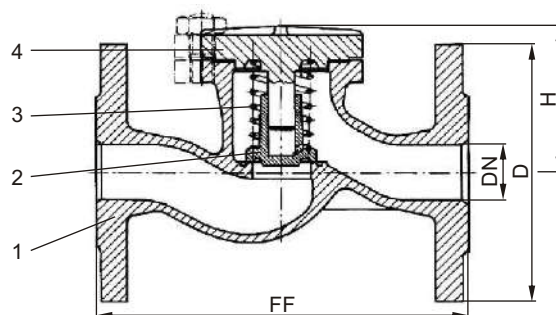
up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 13.0 bar: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

Materials		DIN EN	ASTM
1	Body	0.6025	A 48-83 Gr. 35B
2	Disc	1.4021	A 276 Grade 420
3	Spring	1.4310	A 276 Grade 302
4	Cap	0.6025	A 48-83 Gr. 35B

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05110	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	70	70	80	80	85	95	110	130	155	165	215
Flange diameter	D	95	105	115	140	150	165	185	200	235	270	300
Weight	ca. kg	2.4	3.0	3.8	5.7	7.4	10.3	15.2	20.4	31.0	49.0	69.0

Dimensions in mm.



Check Valves

Type 05115

HEROSE



Check Valves, PN40

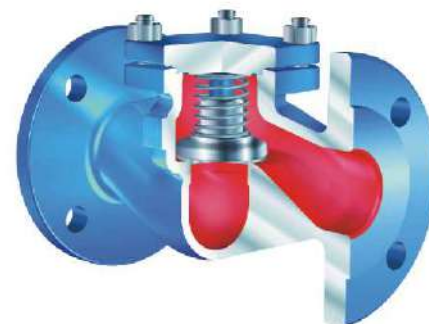
Body in cast steel

seat and disc in stainless steel, metal to metal seated

Part No. 05115.X.0000

Flanged connection acc. to DIN EN 1092-1 PN40

face-to-face dimension acc. to DIN EN 558-1, Reihe 1



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 40.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

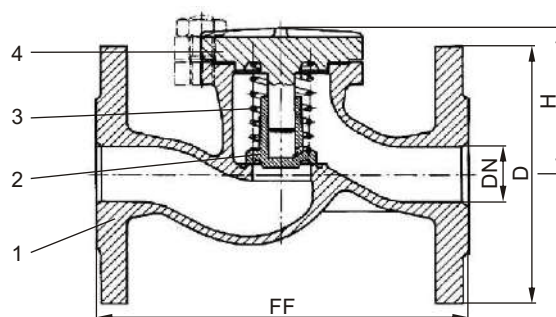
up to max. 33.0 bar: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

up to max. 21.0 bar: -10°C / +14°F (263K) up to +400°C / +752°F (673K)

Materials	DIN EN	ASTM
1 Body	1.0619	A 216 Grade WCB
2 Disc	1.4021	A 276 Grade 420
3 Spring	1.4310	A 276 Grade 302
4 Cap DN15 - 65	1.0402	A 576 Grade 1020
4 Cap DN80 - 150	1.0425	no reference

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05115	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	70	70	80	80	85	95	110	130	155	165	215
Flange diameter	D	95	105	115	140	150	165	185	200	235	270	300
Weight	ca. kg	3.8	4.9	5.9	7.1	10.4	12.3	22.7	28.5	40.0	64.0	90.0

Dimensions in mm.



Swing Check Valves

Type 05040

HEROSE



Check Valves, swing type, PN16

Bronze body, screwed cap in brass

Female thread connection (G) acc. to ISO 7-1 Rp

Part No. 05040.X.0000

Metal to metal seated

Part No. 05040.X.0200

Disc with Silicone seal

Part No. 05040.X.0600

Disc with EPDM seal

Part No. 05040.X.0700

Disc with FPM seal



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

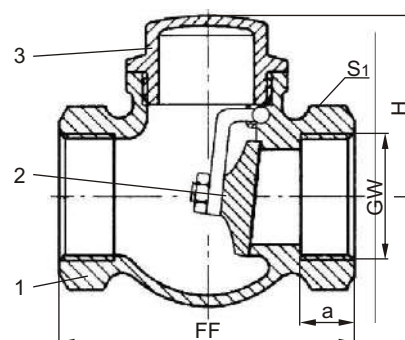
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Swing	CW612N	B 283 UNS C37700
3	Cap	CW612N	B 283 UNS C37700

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05040	Technical data							
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
Dimension code	.X.	0400	0600	1000	1200	1400	2000	2400
Face-to-face dimension	FF	60	70	80	95	105	130	160
Height	H	40	49	56	60	70	80	105
Flow diameter	d ₀	13	17	22	28	31	46	60
Socket depth	a	12	13	15	16	18	20	20
Wrench size across flats	S ₁	27	34	41	51	55	70	90
Weight	ca. kg	0.28	0.45	0.70	0.96	1.40	2.10	3.70
Kvs – Value	m ³ /h	5.5	10.2	20.2	34.7	44.9	104.0	175.0

Dimensions in mm.



Disc Check Valves

Type 05321

HEROSE



Check Valves, disc type, PN16

Body in brass,

Part No. 05321.X.0000

Metal to metal seated
with closing spring and center ring,
for mounting between two flanges



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

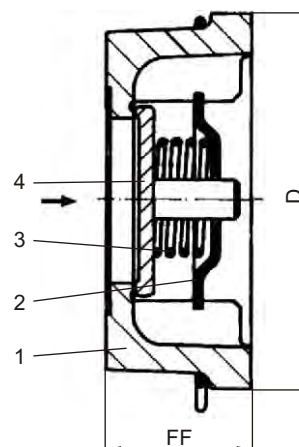
up to max. 16.0 bar: -60°C / -76°F (213K) up to +120°C / +248°F (393K)

up to max. 13.0 bar: -60°C / -76°F (213K) up to +225°C / +437°F (498K)

Materials	DIN EN	ASTM
1 Body	CW710R	no reference
2 Spring cap	1.4571	A 276 Grade 316Ti
3 Spring	1.4571	A 276 Grade 316Ti
4 Disc	1.4006	A 182 Grade F6

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05321	Technical data									
Nominal size	DN	15	20	25	32	40	50	65	80	100
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000
Face-to-face dimension	FF	16	19	22	28	31.5	40	46	50	60
Disc diameter	D	40	47	56	72	82	95	115	132	152
Weight	ca. kg	0.1	0.2	0.25	0.5	0.7	1.1	1.4	2.0	3.2

Dimensions in mm.



Disc Check Valves

Type 05337

HEROSE



Check Valves, disc type, PN40
Body in chromium steel,

Part No. 05337.X.0000

Metal to metal seated
with closing spring,
for mounting between two flanges



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

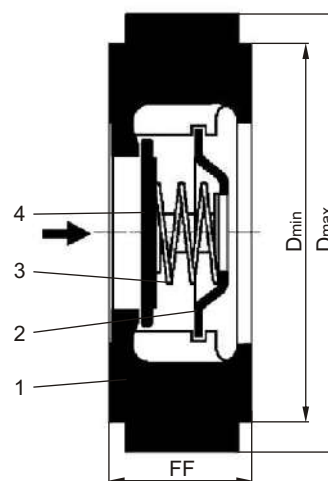
up to max. 40.0 bar: -10°C / +14°F (263K) up to +200°C / +392°F (473K)

up to max. 36.0 bar: -10°C / +14°F (263K) up to +300°C / +572°F (573K)

Materials	DIN EN	ASTM
1 Body	1.4317	A 743 CA6 NM
2 Spring cap	1.4571	A 276 Grade 316Ti
3 Spring	1.4571	A 276 Grade 316Ti
4 Disc	1.4006	A 182 Grade F6

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05337	Technical data									
Nominal size	DN	15	20	25	32	40	50	65	80	100
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000
Face-to-face dimension	FF	16	19	22	28	31.5	40	46	50	60
Disc diameter	Dmin	44	53	64	73	83	96	110	128	151
Disc diameter	Dmax	67	76	82	93	104	118	136	158	186
Weight	ca. kg	0.27	0.38	0.52	0.80	1.12	1.78	2.43	3.37	5.34

Dimensions in mm.



Disc Check Valves

Type 05338

HEROSE



Check Valves, disc type, PN40

Body in stainless steel,

Part No. 05338.X.0000

Metal to metal seated
with closing spring,
for mounting between two flanges



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

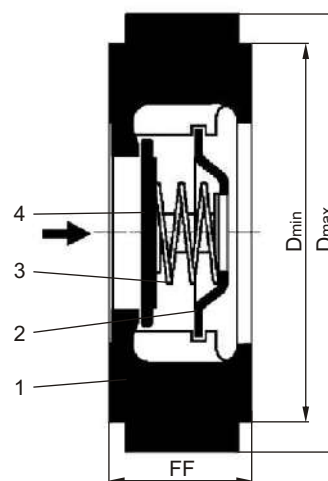
up to max. 40.0 bar: -200°C / -328°F (73K) up to +150°C / +302°F (423K)

up to max. 24.0 bar: -200°C / -328°F (73K) up to +500°C / +932°F (773K)

Materials	DIN EN	ASTM
1 Body	1.4408	A 351 CF 8M
2 Spring cap	1.4571	A 276 Grade 316Ti
3 Spring	1.4571	A 276 Grade 316Ti
4 Disc	1.4571	A 276 Grade 316Ti

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 05338	Technical data									
Nominal size	DN	15	20	25	32	40	50	65	80	100
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000
Face-to-face dimension	FF	16	19	22	28	31.5	40	46	50	60
Disc diameter	Dmin	44	53	64	73	83	96	110	128	151
Disc diameter	Dmax	67	76	82	93	104	118	136	158	186
Weight	ca. kg	0.27	0.38	0.52	0.80	1.12	1.78	2.43	3.37	5.34

Dimensions in mm.



Pressure Reducing Valves

Type 08010

HEROSE



Pressure Reducing Valves

Bronze body, with balanced seat,
disc with NBR seal, pressure gauge connection G1/4,
inlet pressure: up to max. 25.0 bar,
outlet pressure: 1.5 up to 8.0 bar
greatest reducing ratio: 10 : 1

Part No. 08010.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Picture:
Accessory pressure gauge - not
included with valve

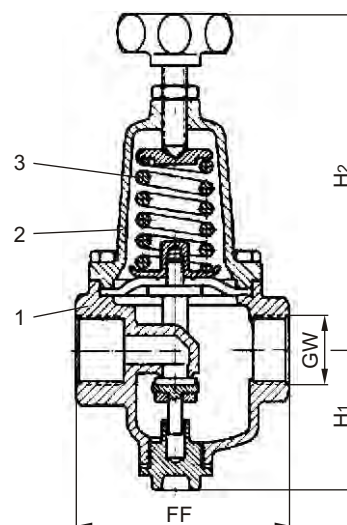
Applications:

Suitable for compressed air, nitrogen and similar non-inflammable, non-toxic gases.
Working temperature: -10°C / +14°F (263K) up to +75°C / +167°F (348K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Bonnet (GW 1/4 – 1)	CW614N	B 283 UNS C38500
2	Bonnet (GW 1-1/4 – 2)	0.6025	A 48-83 Gr. 35B
3	Spring	1.1200	A 576 Grade 1045

Essential: When ordering or requesting an offer
please indicate flow medium, working
pressure and working temperature.

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



Type 08010	Technical data								
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	70	70	85	85	95	104	108	147
Height	H ₁	48	48	48	48	55	61	61	64
Height	H ₂	110	110	120	120	155	200	200	260
Weight	ca. kg	0.85	0.85	1.10	1.10	1.60	3.60	3.65	7.00

Dimensions in mm.



Pressure Reducing Valves

Type 08011

HEROSE



Pressure Reducing Valves

Bronze body, with balanced seat,
disc with NBR seal, pressure gauge connection G1/4,
with piston control
inlet pressure: up to max. 40.0 bar,
outlet pressure: 1.5 up to 20.0 bar
greatest reducing ratio: 6 : 1

Part No. 08011.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



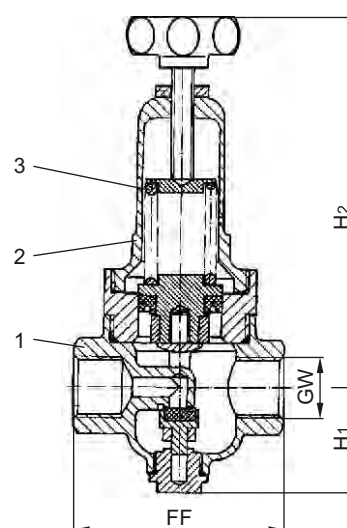
Applications:

Suitable for compressed air, nitrogen and similar non-inflammable, non-toxic gases.
Working temperature: -10°C / +14°F (263K) up to +75°C / +167°F (348K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Bonnet (GW 1/4 – 1)	CW614N	B 283 UNS C38500
2	Bonnet (GW 1-1/4 – 2)	0.6025	A 48-83 Gr. 35B
3	Spring	1.1200	A 576 Grade 1045

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 08011	Technical data								
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	70	70	85	85	95	104	108	147
Height	H ₁	48	48	48	48	55	61	61	64
Height	H ₂	130	130	140	140	185	230	230	295
Weight	ca. kg	1.20	1.15	1.70	1.70	2.65	5.95	6.10	9.80

Dimensions in mm.



Pressure Reducing Valves

Type 08012

HEROSE



Pressure Reducing Valves

Bronze body, with balanced seat,
disc with NBR seal, pressure gauge connection G1/4,
inlet pressure: up to max. 25.0 bar,
outlet pressure: 0.2 up to 2.0 bar
greatest reducing ratio: 20 : 1

Part No. 08012.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Picture:
Accessory pressure gauge - not
included with valve

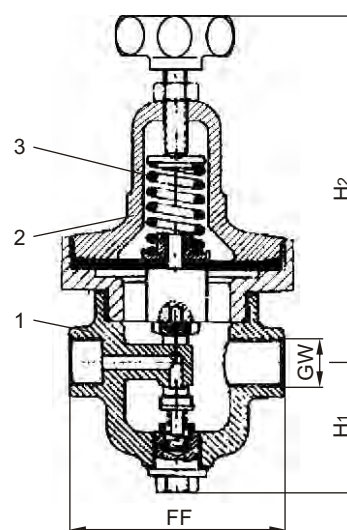
Applications:

Suitable for compressed air, nitrogen and similar non-inflammable, non-toxic gases.
Working temperature: -10°C / +14°F (263K) up to +75°C / +167°F (348K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Bonnet (GW 1/4 – 1)	CW614N	B 283 UNS C38500
2	Bonnet (GW 1-1/4 – 2)	CC491K	B 62 UNS C83600
3	Spring	1.1200	A 576 Grade 1045

Essential: When ordering or requesting an offer
please indicate flow medium, working
pressure and working temperature.

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



Type 08012	Technical data									
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000	
Face-to-face dimension	FF	70	70	85	85	95	104	108	147	
Height	H ₁	47	47	47	47	55	60	60	66	
Height	H ₂	155	155	220	220	250	300	300	300	
Weight	ca. kg	1.0	1.0	2.65	2.65	4.2	7.75	12.0	13.1	

Dimensions in mm.



Pressure Reducing Valves

Type 08015

HEROSE



Pressure Reducing Valves

Bronze body, with balanced seat,
disc with NBR seal, pressure gauge connection G1/4,
inlet pressure: up to max. 40.0 bar,
outlet pressure: 1.0 up to 10.0 bar

Part No. 08015.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



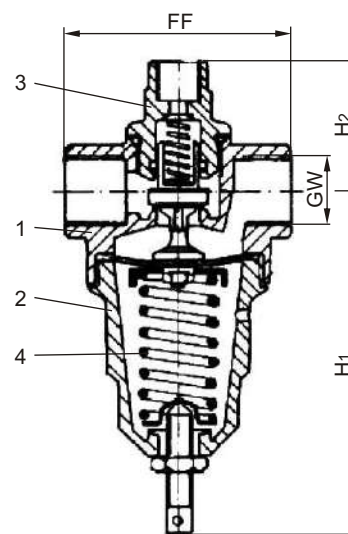
Applications:

Suitable for compressed air, nitrogen and similar non-inflammable, non-toxic gases.
Working temperature: -10°C / +14°F (263K) up to +70°C / +158°F (343K)

Materials	DIN EN	ASTM
1 Body	CW612N	B 283 UNS C37770
2 Bonnet	synthetic material	
3 Headpiece	CW612N	B 283 UNS C37770
4 Spring	1.1200	A 576 Grade 1045

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 08015	Technical data								
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	50	50	65	80	95	105	115	130
Height	H ₁	90	90	105	105	150	160	200	210
Height	H ₂	34	34	36	42	57	57	72	72
Weight	ca. kg	0.30	0.30	0.45	0.60	1.35	1.80	2.90	3.80

Dimensions in mm.



Pressure Reducing Valves

Type 08023

HEROSE



Pressure Reducing Valves

Bronze body, with balanced seat,
disc with NBR seal, pressure gauge connection G1/4,
inlet pressure: up to max. 25.0 bar,
outlet pressure: 0.6 up to 7.0 bar

Part No. 08023.X.0000

Union connections with male thread (G) acc. to ISO 228/1



Picture:
Accessory pressure gauge - not
included with valve

Applications:

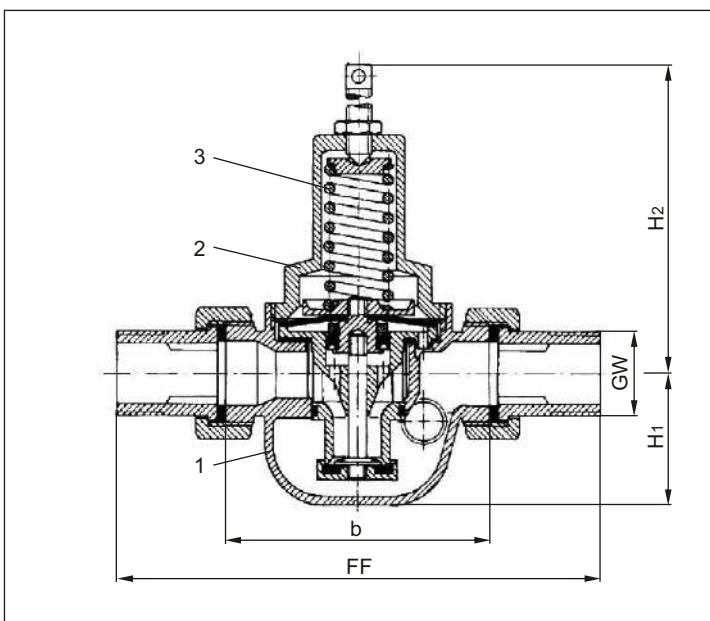
Suitable for water, non-viscous liquids, compressed air,
and similar non-inflammable, non-toxic gases.

Working temperature: -10°C / +14°F (263K) up to +90°C / +194°F (368K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Bonnet	CC491K	B 62 UNS C83600
3	Spring	1.1200	A 576 Grade 1045

Essential: When ordering or requesting an offer
please indicate flow medium, working
pressure and working temperature.

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



Type 08023	Technical data						
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	130	160	180	185	225	260
Body length	b	68	92	98	98	128	148
Height	H ₁	30	42	46	46	52	75
Height	H ₂	110	110	150	160	190	265
Weight	ca. kg	0.80	1.30	1.70	1.90	3.60	6.70

Dimensions in mm.





Strainer, PN16

Y-type pattern, Bronze body
stainless steel strainer screen,
Female thread connection (G) acc. to ISO 7-1 Rp

Part No. 08180.X.0000

screen with 0,6 mm mesh

Part No. 08181.X.0000

screen with 0,25 mm mesh



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

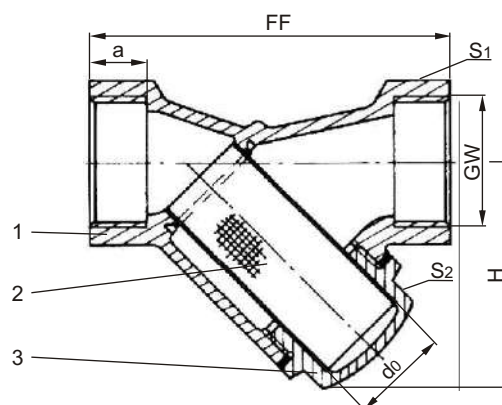
up to max. 10.0 bar: -10°C / +14°F (263K) up to +160°C / +320°F (433K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +200°C / +392°F (473K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
3 Screen	1.4300	A 276 Grade 302
3 Plug	CW612N	B 283 UNS C37700

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 08180 & 08181		Technical data							
Nominal size	GW	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0200	0300	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	55	55	65	75	90	110	120	150
Height	H	37	37	38	44	57	67	73	85
Socket depth	a	9	9	11	12	14	16	18	202
Flow diameter	d ₀	11	11	12	18	24	31	37	45
Wrench size across flats	S ₁	22	22	27	32	41	50	58	70
Wrench size across flats	S ₂	17	17	19	22	27	36	41	50
Weight	ca. kg	0.20	0.20	0.25	0.35	0.50	0.85	1.00	1.70

Dimensions in mm.



Strainer

Type 08161

HEROSE



Strainer, PN16

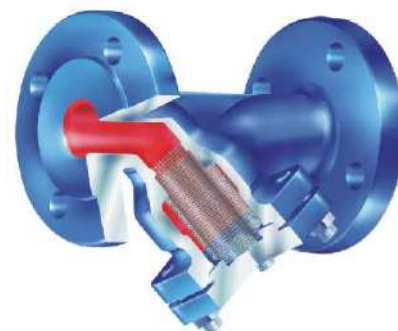
Body and cap in cast iron
Y-type pattern, stainless steel strainer screen

Part No. 08161.X.0000

Flanged connection acc. to DIN EN 1092-1 PN16
face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

- screen with 0,25 mm mesh



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

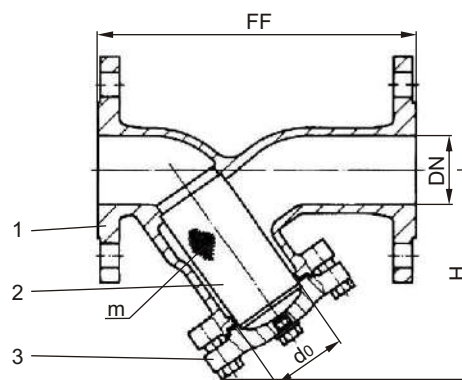
up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 13.0 bar: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

Materials		DIN EN	ASTM
1	Body	0.6025	A 48-83 Gr. 35B
2	Screen	1.4301	A 276 Grade 304
3	Cap	0.6025	A 48-83 Gr. 35B

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 08161	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	90	100	115	125	150	160	180	215	235	275	305
Flange diameter	D	95	105	115	140	150	165	185	200	220	250	285
Flow diameter	d ₀	23	28	36	42	50	61.5	78.5	89.5	109.5	137.5	160
Mesh	m	1.0	1.0	1.0	1.0	1.0	1.0	1.25	1.25	1.6	1.6	1.6
Weight	ca. kg	3.0	4.0	5.0	7.0	9.0	12.0	16.0	21.0	30.0	43.0	61.0

Dimensions in mm.



Strainer

Type 08170

HEROSE



Strainer, PN40

Body in cast steel

Y-type pattern, stainless steel strainer screen

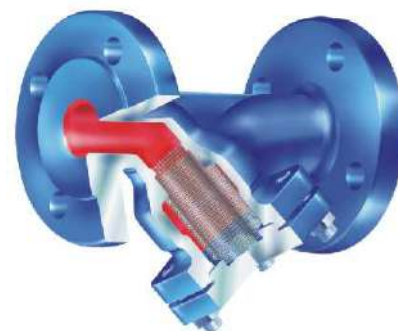
Part No. 08170.X.0000

Flanged connection acc. to DIN EN 1092-1 PN40

face-to-face dimension acc. to DIN EN 558-1, Reihe 1

Available options - on request only:

- screen with 0,25 mm mesh



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 40.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

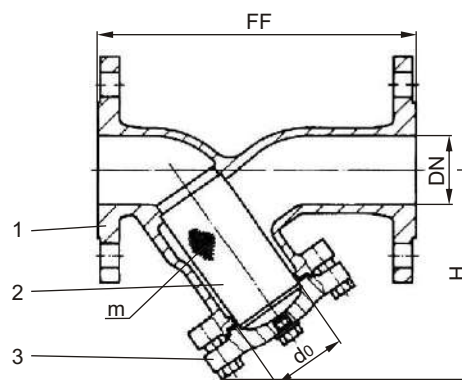
up to max. 33.0 bar: -10°C / +14°F (263K) up to +225°C / +437°F (498K)

up to max. 21.0 bar: -10°C / +14°F (263K) up to +400°C / +752°F (673K)

Materials	DIN EN	ASTM
1 Body	1.0619	A 216 Grade WCB
2 Screen	1.4301	A 276 Grade 304
3 Cap DN15 - 65	1.0460	A 105 Grade II
3 Cap DN80 - 150	1.0425	no reference

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 08170	Technical data											
Nominal size	DN	15	20	25	32	40	50	65	80	100	125	150
Dimension code	.X.	0150	0200	0250	0320	0400	0500	0650	0800	1000	1250	1500
Face-to-face dimension	FF	130	150	160	180	200	230	290	310	350	400	480
Height	H	90	100	115	125	150	160	180	215	235	275	305
Flange diameter	D	95	105	115	140	150	165	185	200	235	270	300
Flow diameter	d ₀	23	28	36	42	50	61.5	78.5	89.5	109.5	137.5	160
Mesh	m	1.0	1.0	1.0	1.0	1.0	1.0	1.25	1.25	1.6	1.6	1.6
Weight	ca. kg	4.0	5.0	6.0	8.0	10.0	13.0	19.0	24.5	35.0	51.0	71.0

Dimensions in mm.



Gate Valves

Type 09010

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with gland packing and non rising stem

Part No. 09010.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

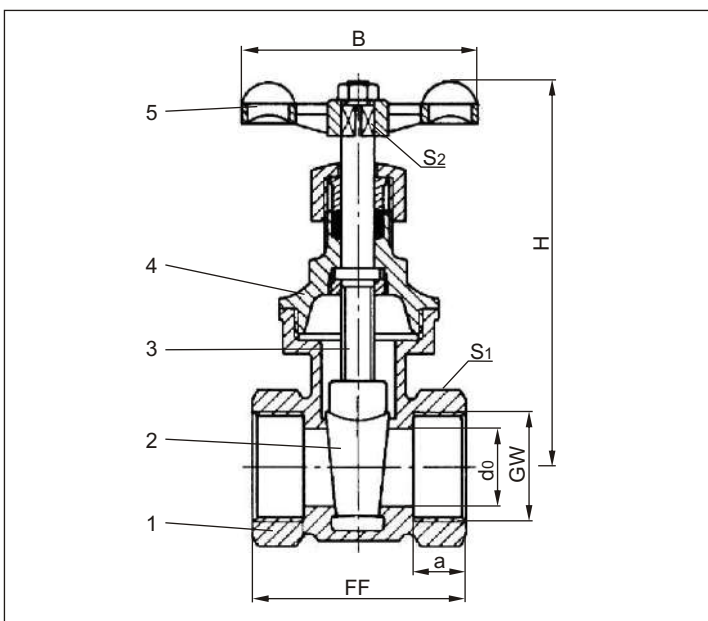
up to max. 10.0 bar: -10°C / +14°F (263K) up to +150°C / +302°F (423K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +200°C / +392°F (473K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Wedge	CC491K	B 62 UNS C83600
3 Stem	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09010	Technical data						
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	55	60	68	76	80	93
Height	H	85	105	115	130	150	180
Socket depth	a	15.0	16.3	19.1	21.4	21.4	25.7
Flow diameter	d ₀	12.0	17.5	23.2	29.0	36.0	47.0
Handwheel-Ø	B	60	70	70	80	90	110
Wrench size across flats	S ₁	27	32	41	50	58	70
Wrench size across flats	S ₂	6	7	8	9	9	11
Weight	ca. kg	0.36	0.54	0.82	1.10	1.60	2.40

Dimensions in mm.



Gate Valves

Type 09012

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem

Part No. 09012.X.0000

Female thread connection (G) acc. to ISO 7-1 Rp



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

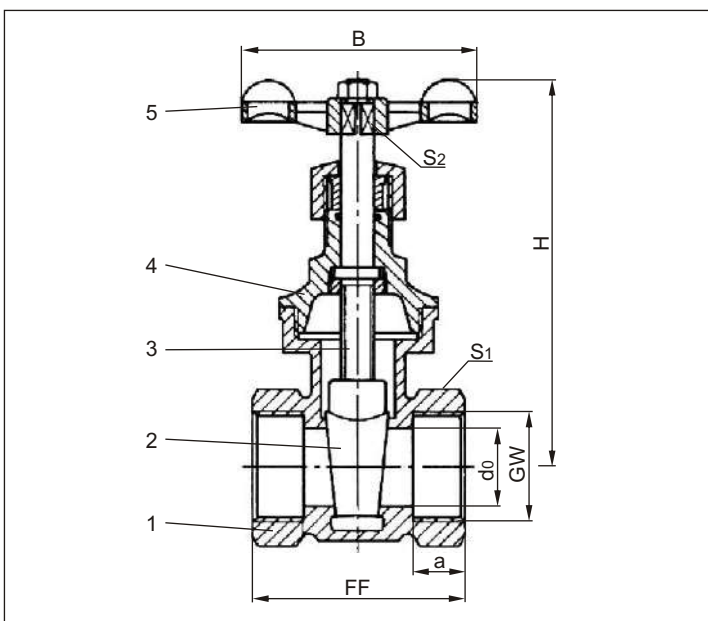
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +180°C / +356°F (453K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Wedge	CC491K	B 62 UNS C83600
3 Stem	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09012	Technical data						
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2
Dimension code	.X.	0400	0600	1000	1200	1400	2000
Face-to-face dimension	FF	55	60	68	76	80	93
Height	H	85	105	115	130	150	180
Socket depth	a	15.0	16.3	19.1	21.4	21.4	25.7
Flow diameter	d ₀	12.0	17.5	23.2	29.0	36.0	47.0
Handwheel-Ø	B	60	70	70	80	90	110
Wrench size across flats	S ₁	27	32	41	50	58	70
Wrench size across flats	S ₂	6	7	8	9	9	11
Weight	ca. kg	0.36	0.54	0.82	1.10	1.60	2.40

Dimensions in mm.



Gate Valves

Type 09061

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with gland packing and non rising stem

Part No. 09061.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

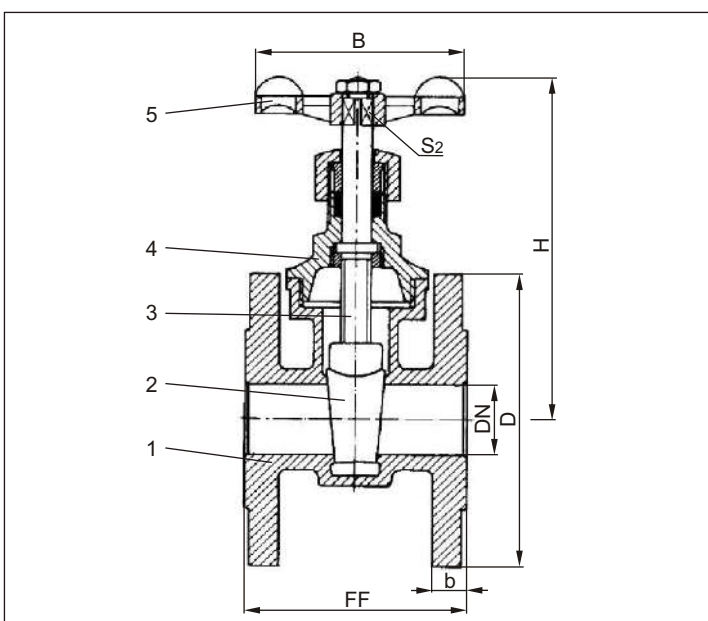
up to max. 10.0 bar: -10°C / +14°F (263K) up to +150°C / +302°F (423K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +200°C / +392°F (473K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Wedge	CC491K	B 62 UNS C83600
3 Stem	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09061	Technical data							
Nominal size	DN	20	25	32	40	50	65	80
Dimension code	.X.	0200	0250	0320	0400	0500	0650	0800
Face-to-face dimension	FF	75	80	90	100	110	130	150
Height	H	105	115	130	150	180	220	250
Flange diameter	D	105	115	140	150	165	185	200
Width of flange	b	12	12	14	14	16	16	18
Handwheel-Ø	B	70	70	80	90	110	150	160
Wrench size across flats	S ₂	7	8	9	9	11	12	13
Weight	ca. kg	1.8	2.3	3.6	4.6	6.4	9.4	12.1

Dimensions in mm.



Gate Valves

Type 09420

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem

Part No. 09420.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

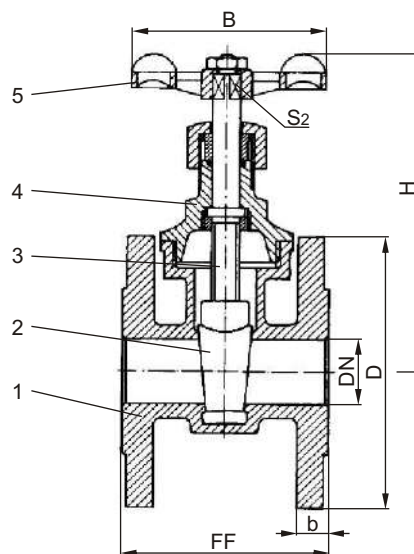
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +180°C / +356°F (453K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Wedge	CC491K	B 62 UNS C83600
3 Stem	CW612N	B 283 UNS C37700
4 Headpiece	CW612N	B 283 UNS C37700
5 Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09420	Technical data							
Nominal size	DN	20	25	32	40	50	65	80
Dimension code	.X.	0200	0250	0320	0400	0500	0650	0800
Face-to-face dimension	FF	75	80	90	100	110	130	150
Height	H	105	115	130	150	180	220	250
Flange diameter	D	105	115	140	150	165	185	200
Width of flange	b	12	12	14	14	16	16	18
Handwheel-Ø	B	70	70	80	90	110	150	160
Wrench size across flats	S ₂	7	8	9	9	11	12	13
Weight	ca. kg	1.8	2.3	3.6	4.6	6.4	9.4	12.1

Dimensions in mm.



Gate Valves

Type 09320

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body and topwork
with maintenance-free gland packing (O-Ring) and non rising stem
with opening indicator

Part No. 09320.X.0160

Flanged connection acc. to DIN EN 1092-1 PN16



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

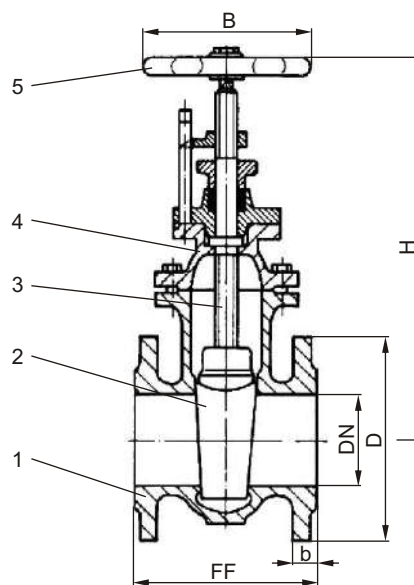
up to max. 10.0 bar: -10°C / +14°F (263K) up to +150°C / +302°F (423K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +200°C / +392°F (473K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Wedge	CC491K	B 62 UNS C83600
3	Stem	CW710R	No reference
4	Headpiece	CC491K	B 62 UNS C83600
5	Handwheel	0.6025	A 48-83 Gr. 35B

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09320	Technical data						
Nominal size	DN	50	65	80	100	125	150
Dimension code	.X.	0500	0650	0800	1000	1250	1500
Max working pressure	PN	16	16	16	16	10	10
Face-to-face dimension	FF	150	170	180	190	200	210
Height	H	255	295	315	345	400	430
Flange diameter	D	165	185	200	220	250	285
Width of flange	b	16	16	18	20	20	22
Handwheel-Ø	B	120	160	160	160	200	200
Weight	ca. kg	12.0	17.0	21.0	28.0	36.0	46.0

Dimensions in mm.



Gate Valves

Type 09065

HEROSE



Gate Valves, PN16, DIN EN 12288

Bronze body, screwed topwork in brass
with maintenance-free gland packing (O-Ring)
and non rising stem
flanged connection acc. to DIN EN 1092-1 PN16

Part No. 09065.X.0160

Valve with opening indicator

Part No. 09065.X.9001

Valve with opening indicator and locking device without lock

Available options - on request only:

- Valve with opening indicator and locking device with lock



Applications:

Suitable for non-toxic, non-inflammable fluids, gases and vapours.

The laws, regulations and standards are to observe for the range of application.

Working temperatures and pressures:

up to max. 16.0 bar: -10°C / +14°F (263K) up to +80°C / +176°F (353K)

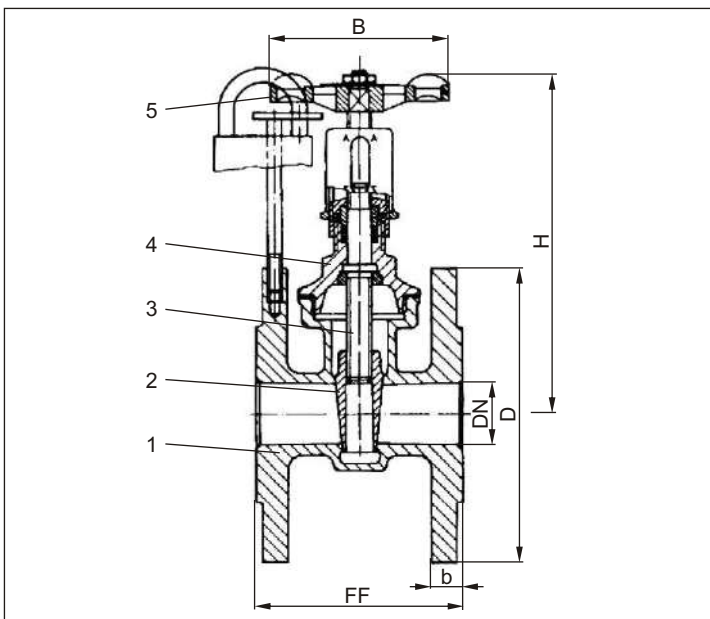
up to max. 10.0 bar: -10°C / +14°F (263K) up to +120°C / +248°F (393K)

up to max. 6.0 bar: -10°C / +14°F (263K) up to +180°C / +356°F (453K)

Materials		DIN EN	ASTM
1	Body	CC491K	B 62 UNS C83600
2	Wedge	CC491K	B 62 UNS C83600
3	Stem	CW612N	B 283 UNS C37700
4	Headpiece	CW612N	B 283 UNS C37700
5	Handwheel	Zinc diecasting	

Essential: When ordering or requesting an offer please indicate flow medium, working pressure and working temperature.

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



Type 09065	Technical data						
Nominal size	DN	25	32	40	50	65	80
Dimension code	.X.	0250	0320	0400	0500	0650	0800
Face-to-face dimension	FF	80	90	100	110	130	150
Height	H	140	160	180	290	290	290
Flange diameter	D	115	140	150	165	185	200
Width of flange	b	12	14	14	16	16	18
Handwheel-Ø	B	70	80	90	110	150	160
Weight	ca. kg	2.5	4.2	4.8	6.7	8.8	12.5

Dimensions in mm.





Dimensions of DIN flanges

DN = Nominal diameter
D = Diameter of flange
Lk = Diameter of bolt circle
n = Number of holes
d = Diameter of holes

		PN 6				PN 10				PN 16				PN 25				PN 40			
DN		D	Lk	n	d	D	Lk	n	d	D	Lk	n	d	D	Lk	n	d	D	Lk	n	d
10	3/8"	75	50	4	11	90	60	4	14	90	60	4	14	90	60	4	14	90	60	4	14
15	1/2"	80	55	4	11	95	65	4	14	95	65	4	14	95	65	4	14	95	65	4	14
20	3/4"	90	65	4	11	105	75	4	14	105	75	4	14	105	75	4	14	105	75	4	14
25	1"	100	75	4	11	115	85	4	14	115	85	4	14	115	85	4	14	115	85	4	14
32	1-1/4"	120	90	4	14	140	100	4	18	140	100	4	18	140	100	4	18	140	100	4	18
40	1-1/2"	130	100	4	14	150	110	4	18	150	110	4	18	150	110	4	18	150	110	4	18
50	2"	140	110	4	14	165	125	4	18	165	125	4	18	165	125	4	18	165	125	4	18
65	2-1/2"	160	130	4	14	185	145	4	18	185	145	4	18	185	145	8	18	185	145	8	18
80	3"	190	150	4	18	200	160	8	18	200	160	8	18	200	160	8	18	200	160	8	18
100	4"	210	170	4	18	220	180	8	18	220	180	8	18	235	190	8	22	235	190	8	22
125	5"	240	200	8	18	250	210	8	18	250	210	8	18	270	220	8	26	270	220	8	26
150	6"	265	225	8	18	285	240	8	22	285	240	8	22	300	250	8	26	300	250	8	26
200	8"	320	280	8	18	340	295	8	22	340	295	8	22	360	310	12	26	375	320	12	30

		PN 63				PN 100				PN 160				PN 250				PN 320			
DN		D	Lk	n	d	D	Lk	n	d	D	Lk	n	d	D	Lk	n	d	D	Lk	n	d
10	3/8"	100	70	4	14	100	70	4	14	100	70	4	14	125	85	4	18	125	85	4	18
15	1/2"	105	75	4	14	105	75	4	14	105	75	4	14	130	90	4	18	130	90	4	18
20	3/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	1"	140	100	4	18	140	100	4	18	140	100	4	18	150	105	4	22	160	115	4	22
32	1-1/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	1-1/2"	170	125	4	22	170	125	4	22	170	125	4	22	185	125	4	26	195	145	4	26
50	2"	180	135	4	22	195	145	4	26	195	145	4	26	200	150	8	26	210	160	8	26
65	2-1/2"	205	160	4	22	220	170	8	26	220	170	8	26	230	180	8	26	255	200	8	30
80	3"	215	170	4	22	230	180	8	26	230	180	8	26	255	200	8	30	275	220	8	30
100	4"	250	200	4	22	265	210	8	30	265	210	8	30	300	235	8	30	300	265	8	36





Material comparison DIN EN, DIN and ASTM Standard

Nonferrous materials

DIN EN new		DIN old		ASTM
CC490K	CuSn3Zn8Pb5-C	RG2	2.1098	-
CC491K	CuSn5Zn5Pb5-C	RG5	2.1096.01	B 62 UNS C83600
CC493K	CuSn7Zn4Pb7-C	RG7	2.1090	B 505 UNS C93200
CW450K	CuSn4	CUSN4	2.1016	B 103 UNS C51100
CW452K	CuSn6	CUSN6	2.1020	B 103 UNS C51900
CW453K	CuSn8	CUSN8	2.1030	B 103 UNS C52100
CW507L	CuZn36	CUZN36	2.0335	B 111 UNS C27000
CW508L	CuZn37	CUZN37	2.0321	B 111 UNS C27200
CW509L	CuZn40	CUZN40	2.0360	B 111 UNS C28000
CW610N	CuZn39Pb0,5	CUZN39PB	2.0372	B 111 UNS C28000
CW612N	CuZn39Pb2	MS58	2.0380.10	B 283 UNS C37770
CW614N	CuZn39Pb3	MS58	2.0401.08	B 283 UNS C38500
CW617N	CuZn40Pb2	MS58	2.0402.20	B 283 UNS C38000
CW710R	CuZn35Ni3Mn2AlPb	CUZN35NI	2.0540	-
CW713R	CuZn37Mn3Al2PbSi	CUZN40AL	2.0552	-
CW718R	CuZn39Mn1AlPbSi	CUZN40AL	2.0561	-
CW720R	CuZn40Mn1Pb1	CUZN40MN	2.0580	-
CW723R	CuZn40Mn2Fe1	CUZN40MN	2.0572	-

Ferrous materials

DIN EN new		DIN old	ASTM
1.1200	Federstahl	C-Stahl	A 576 Grade 1045
1.4021	X20Cr13	1.4021	A 276 Grade 420
1.4034	X45Cr13	1.4034	A 276 Grade 420
1.4057	X17CrNi16-2	1.4057	A 276 Grade 431
1.4104	X14CrMoS17	1.4104	A 276 Grade 430F
1.4112	X90CrMoV18	1.4112	A 276 Grade 440B
1.4122	X39CrMo17-1	1.4122	-
1.4300	X12CrNi18-8	1.4300	A 276 Grade 302
1.4301	X5CrNi18-10	1.4301	A 276 Grade 304
1.4305	X8CrNiS18-9	1.4305	A 276 Grade 303
1.4306	X2CrNi19-11	1.4306	A 312 TP 304L
1.4308	G-X6CrNi18-9	1.4308	A 351 CF 8
1.4310	X10CrNi18-8	1.4310	A 313 Grade 302
1.4401	X5CrNiMo17-12-2	1.4401	A 276 Grade 316
1.4404	X2CrNiMo17-12-2	1.4404	A 276 Grade 316L
1.4541	X6CrNiTi18-10	1.4541	A 276 Grade 321
1.4568	X7CrNiAl17-7	1.4568	A 313 Grade 631
1.4571	X6CrNiMoTi17-12-2	1.4571	A 276 Grade 316Ti
1.4552	G-X7CrNiNb18-9	1.4552	A 351 CF 8C
1.4923	X22CrMoV12-1	1.4923	A 193 Grade B6
1.4980	X5CrNiTi26-15	1.4980	A 286 Grade 660
1.5415	16Mo3	16MO3	A 182 Grade F1
1.7225	42CrMo4	1.7225	A 194 Grade 7
1.7258	24CrMo5	1.7258	A 194 Grade B7
1.7335	13CrMo4-5	1.7335	A 182 Grade F12
1.7380	10CrMo9-10	1.7380	A 182 Grade F22
1.7709	21CrMoV5-7	1.7709	-





По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Иваново (4932)77-34-06	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Сургут (3462)77-98-35
Астана +7(7172)727-132	Ижевск (3412)26-03-58	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тверь (4822)63-31-35
Астрахань (8512)99-46-04	Казань (843)206-01-48	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Набережные Челны (8552)20-53-41	Самара (846)206-03-16	Тула (4872)74-02-29
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Нижний Новгород (831)429-08-12	Санкт-Петербург (812)309-46-40	Тюмень (3452)66-21-18
Брянск (4832)59-03-52	Кемерово (3842)65-04-62	Новокузнецк (3843)20-46-81	Саратов (845)249-38-78	Ульяновск (8422)24-23-59
Владивосток (423)249-28-31	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Севастополь (8692)22-31-93	Уфа (347)229-48-12
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Вологда (8172)26-41-59	Красноярск (391)204-63-61	Орел (4862)44-53-42	Смоленск (4812)29-41-54	Челябинск (351)202-03-61
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