

# KLINGER MARINE BRONZE VALVES



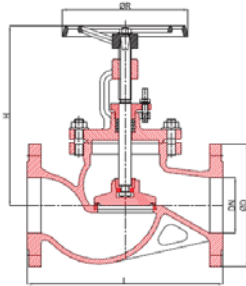
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# **Globe & SDNR Valves**

## **Flanged**

## Globe valves



### Globe valves bronze (RG5)

Type : 50-ST

Flange connection PN 10/16

Suitable for: Sea water, fresh water and waste water.

\*

### Specifications

<b>Type</b>	: 50-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Graphite
Gland packing	: Graphite
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16 - DN 15 - DN 175
	: DIN 2501 PN 10 - DN 200 - DN 600
Temperature range	: -10°C to +180°C
Working temp.	: Up to 120°C
	: DN 15 - DN 125 : 16 bar
	: DN 150 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar

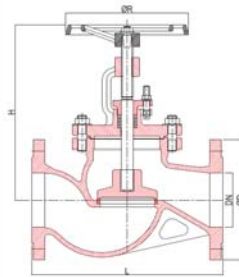
When ordering please state classification demands.

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
05408234	15	130	120	165	95	65 x 4 x 14	3,8
05408235	20	150	120	165	105	75 x 4 x 14	4,2
05408236	25	160	140	180	115	85 x 4 x 14	5,0
05408237	32	180	140	180	140	100 x 4 x 18	6,5
05408238	40	200	160	215	150	110 x 4 x 18	9,0
05408239	50	230	160	230	165	155 x 4 x 18	12
05408240	65	290	180	245	185	145 x 4 x 18	16
05408241	80	310	200	295	200	160 x 8 x 18	22
05408242	100	350	225	325	220	180 x 8 x 18	34
05408243	125	400	250	360	250	210 x 8 x 18	48
05408244	150	480	300	425	285	240 x 8 x 22	70
05408245	175	550	400	495	315	270 x 8 x 22	122
05408246	200	600	400	505	340	295 x 8 x 22	146
05408247	250	730	520	625	395	350 x 12 x 22	250
05408248	300	850	520	690	445	400 x 12 x 22	350
05408249	350	980	640	755	505	460 x 16 x 22	450
05408250	400	1100	640	840	565	515 x 16 x 26	625
05408251	450	1200	640	920	615	565 x 20 x 26	770
05408252	500	1250	640	980	670	620 x 20 x 26	980
05408253	600	1450	640	1200	780	725 x 20 x 30	1300

- Options:
- Drain plug
  - Indicator
  - Regulating disc
  - Other flange drilling

## Globe valves

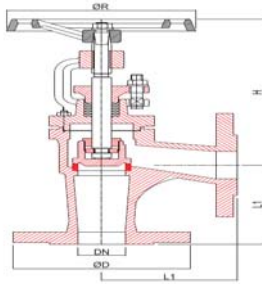
<b>Globe valves bronze (RG5)</b>		<b>Type : 50-SD</b>
<b>Flange connection PN 10/16, SDNR</b>		
Suitable for: Sea water, fresh water and waste water.		
*		
<b>Specifications</b>		
<b>Type</b>	: <b>50-SD</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 10/16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: G-CuSn5ZnPb (RG5)	
Stem	: Special brass CuZn35NiF45	
Bonnet gasket	: Graphite	
Gland packing	: Graphite	
Face to face	: EN 558 series 1, DIN 3202-F1	
Connections	: DIN 2501 PN 16 DN 15 - DN 175	
	: DIN 2501 PN 10 DN 200 - DN 600	
Temperature range	: -10°C to +180°C	
Working temp.	: Up to 120°C	
	: DN 15 - DN 125 : 16 bar	
	: DN 150 - DN 200 : 10 bar	
	: DN 250 - DN 300 : 6 bar	
	: DN 350 - DN 500 : 4 bar	
When ordering please state classification demands.		



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
05408254	15	130	120	165	95	65 x 4 x 14	3,8
05408255	20	150	120	165	105	75 x 4 x 14	4,2
05408256	25	160	140	180	115	85 x 4 x 14	5,0
05408257	32	180	140	180	140	100 x 4 x 18	6,5
05408258	40	200	160	215	150	110 x 4 x 18	9,0
05408259	50	230	160	230	165	155 x 4 x 18	12
05408260	65	290	180	245	185	145 x 4 x 18	16
05408261	80	310	200	295	200	160 x 8 x 18	22
05408262	100	350	225	325	220	180 x 8 x 18	34
05408263	125	400	250	360	250	210 x 8 x 18	48
05408264	150	480	300	425	285	240 x 8 x 22	70
05408265	175	550	400	495	315	270 x 8 x 22	122
05408266	200	600	400	505	340	295 x 8 x 22	146
05408267	250	730	520	625	395	350 x 12 x 22	250
05408268	300	850	520	690	445	400 x 12 x 22	350
05408269	350	980	640	755	505	460 x 16 x 22	450
05408270	400	1100	640	840	565	515 x 16 x 26	625
05408271	450	1200	640	920	615	565 x 20 x 26	770
05408272	500	1250	640	980	670	620 x 20 x 26	980
05408273	600	1450	640	1200	780	725 x 20 x 30	1300

- Options:
- Drain plug
  - Indicator
  - Other flange drilling

## Globe valves



### Globe valves bronze (RG5)

Type : 50A-ST

Flange connection PN 10/16, angle

Suitable for: Good resistance to corrosive action of sea water, fresh water and waste water.

\*

### Specifications

<b>Type</b>	: 50A-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Graphite
Gland packing	: Graphite
Face to face	: EN 558 series 8, DIN 3202-F32
Connections	: DIN 2501 PN 16 DN 15 - DN 175
	: DIN 2501 PN 10 DN 200 - DN 600
Temperature range	: -10°C to +180°C
Working temp.	: Up to 120°C
	: DN 15 - DN 125 : 16 bar
	: DN 150 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar

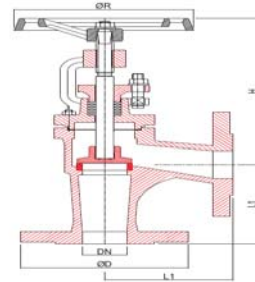
When ordering please state classification demands.

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	ØR	H	ØD	PCD	Weight (kg)
05408274	15	90	120	155	95	65 x 4 x 14	4,1
05408275	20	95	120	155	105	75 x 4 x 14	4,4
05408276	25	100	140	170	115	85 x 4 x 14	5,5
05408277	32	105	140	175	140	100 x 4 x 18	8,0
05408278	40	115	160	195	150	110 x 4 x 18	12
05408279	50	125	160	205	165	155 x 4 x 18	13
05408280	65	145	180	225	185	145 x 4 x 18	19
05408281	80	155	200	250	200	160 x 8 x 18	26
05408282	100	175	225	305	220	180 x 8 x 18	37
05408283	125	200	250	315	250	210 x 8 x 18	55
05408284	150	225	300	380	285	240 x 8 x 22	72
05408285	175	250	400	400	315	270 x 8 x 22	99
05408286	200	275	400	425	340	295 x 8 x 22	116
05408287	250	325	520	470	395	350 x 12 x 22	171
05408288	300	375	520	550	445	400 x 12 x 22	237
05408289	350	425	640	630	505	460 x 16 x 22	413
05408290	400	475	640	750	465	515 x 16 x 26	430
05408291	450	500	640	925	615	565 x 20 x 26	500
05408292	500	515	640	1250	670	620 x 20 x 26	800
05408293	600	450+550	640	1400	780	725 x 20 x 30	1100

- Options:
- Drain plug
  - Indicator
  - Regulating disc
  - Other flange drilling

## Globe valves

<b>Globe valves bronze (RG5)</b>	<b>Type : 50A-SD</b>
<b>Flange connection PN 10/16, SDNR angle</b>	
<b>Suitable for:</b> Sea water, fresh water and waste water.	
*	
<b>Specifications</b>	
<b>Type</b>	: <b>50A-SD</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
<b>Pressure rating</b>	: PN 10/16
<b>Bonnet</b>	: G-CuSn5ZnPb (RG5)
<b>Handwheel</b>	: Cast iron GG-25
<b>Disc</b>	: G-CuSn5ZnPb (RG5)
<b>Stem</b>	: Special brass CuZn35NiF45
<b>Bonnet gasket</b>	: Graphite
<b>Gland packing</b>	: Graphite
<b>Face to face</b>	: EN 558 series 8, DIN 3202-F32
<b>Connections</b>	: DIN 2501 PN 16 DN 15 - DN 175 : DIN 2501 PN 10 DN 200 - DN 600
<b>Temperature range</b>	: -10°C to +180°C
<b>Working temp.</b>	: Up to 120°C : DN 15 - DN 125 : 16 bar : DN 150 - DN 200 : 10 bar : DN 250 - DN 300 : 6 bar : DN 350 - DN 500 : 4 bar
When ordering please state classification demands.	



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	ØR	H	ØD	PCD	Weight (kg)
05408294	15	90	120	155	95	65 x 4 x 14	4,1
05408295	20	95	120	155	105	75 x 4 x 14	4,4
05408296	25	100	140	170	115	85 x 4 x 14	5,5
05408297	32	105	140	175	140	100 x 4 x 18	8,0
05408298	40	115	160	195	150	110 x 4 x 18	12
05408250	50	125	160	205	165	155 x 4 x 18	13
05408300	65	145	180	225	185	145 x 4 x 18	19
05408301	80	155	200	250	200	160 x 8 x 18	26
05408302	100	175	225	305	220	180 x 8 x 18	37
05408303	125	200	250	315	250	210 x 8 x 18	55
05408304	150	225	300	380	285	240 x 8 x 22	72
05408305	175	250	400	400	315	270 x 8 x 22	99
05408306	200	275	400	425	340	295 x 8 x 22	116
05408307	250	325	520	470	395	350 x 12 x 22	171
05408308	300	375	520	550	445	400 x 12 x 22	237
05408309	350	425	640	630	505	460 x 16 x 22	413
05408310	400	475	640	750	465	515 x 16 x 26	430
05408311	450	500	640	925	615	565 x 20 x 26	500
05408312	500	515	640	1250	670	620 x 20 x 26	800
05408313	600	450+550	640	1400	780	725 x 20 x 30	1100

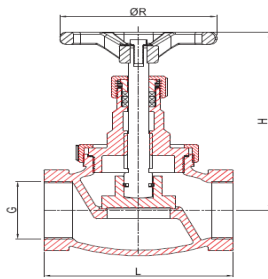
- Options:**
- Drain plug
  - Indicator
  - With spring
  - Other flange drilling

# **Globe & SDNR Valves**

## **Threaded**



## Globe valves



### Globe valves bronze (RG5)

Type : 59-ST

Threaded ends PN 16

Suitable for: Sea water, water and low pressure steam.

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### Specifications

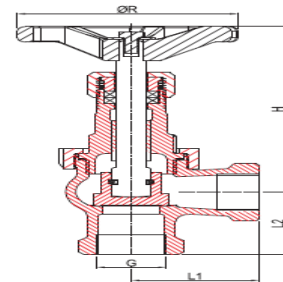
<b>Type</b>	: 59-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: PTFE
Gland packing	: Graphite
Face to face	: According to below mentioned table
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +200°C
Working temp.	: 120°C - 16 bar
	: 200°C - 12 bar

Article no.	DIMENSIONS (mm)				ØR	Weight (Kg)
	DN	G	L	H		
05400146	10	3/8"	60	95	63	1,4
05400147	15	1/2"	65	95	63	1,5
05400148	20	3/4"	75	110	80	2,3
05400149	25	1"	90	115	80	2,7
05400150	32	1 1/4"	105	135	90	4,5
05400151	40	1 1/2"	120	145	100	6,5
05400152	50	2"	145	165	125	8,0
05400153	65	2 1/2"	170	230	160	11,5
05400154	80	3"	200	250	200	16
05400155	100	4"	220	275	200	21

Options: - Regulating disc

### Globe valves

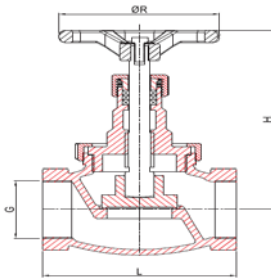
<b>Globe valves bronze (RG5)</b>		<b>Type : 59A-ST</b>
<b>Threaded ends PN 16, angle</b>		
Suitable for: Sea water, water and low pressure steam.		
*		
<b>Specifications</b>		
<b>Type</b>	: <b>59A-ST</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: G-CuSn5ZnPb (RG5)	
Stem	: Special brass CuZn35NiF45	
Bonnet gasket	: PTFE	
Gland packing	: Graphite	
Face to face	: According to below mentioned table	
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)	
Temperature range	: -10°C to +200°C	
Working temp.	: 120°C - 16 bar	
	: 200°C - 12 bar	



Article no.	DIMENSIONS (mm)				H	ØR	Weight (Kg)
	DN	G	L1	L2			
05400212	10	3/8"	35	30	86	63	0,6
05400213	15	1/2"	40	35	86	6,3	0,6
05400214	20	3/4"	45	40	100	80	0,8
05400215	25	1"	50	45	105	80	1,2
05400216	32	1 1/4"	55	50	120	90	1,9
05400217	40	1 1/2"	65	55	135	100	2,5
05400218	50	2"	75	65	150	125	4,0
05400219	65	2 1/2"	90	75	230	160	7,5
05400220	80	3"	110	90	250	200	11,5

Options: - Regulating disc

## Globe valves



### Globe valves bronze (RG5)

Type : 59-SD

Threaded ends SDNR PN 16

Suitable for: Sea water, water and low pressure steam.

\*

### Specifications

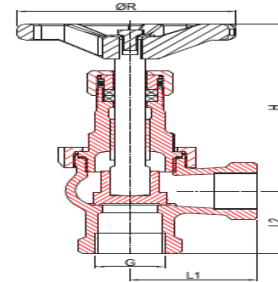
<b>Type</b>	: 59-SD
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: PTFE
Gland packing	: Graphite
Face to face	: According to below mentioned table
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +200°C
Working temp.	: 120°C - 16 bar
	: 200°C - 12 bar

Article no.	DIMENSIONS (mm)				ØR	Weight (Kg)
	DN	G	L	H		
05400156	10	3/8"	60	95	63	1,4
05400157	15	1/2"	65	95	63	1,5
05400158	20	3/4"	75	110	80	2,3
05400159	25	1"	90	115	80	2,7
05400160	32	1 1/4"	105	135	90	4,5
05400161	40	1 1/2"	120	145	100	6,5
05400162	50	2"	145	165	125	8,0
05400163	65	2 1/2"	170	230	160	11,5
05400164	80	3"	200	250	200	16
05400165	100	4"	220	275	200	21

Options: - With spring

### Globe valves

<b>Globe valves bronze (RG5)</b>		<b>Type : 59A-SD</b>
<b>Threaded ends SDNR PN 16, angle</b>		
Suitable for: Sea water, water and low pressure steam.		
*		
<b>Specifications</b>		
<b>Type</b>	: <b>59A-SD</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: G-CuSn5ZnPb (RG5)	
Stem	: Special brass CuZn35NiF45	
Bonnet gasket	: PTFE	
Gland packing	: Graphite	
Face to face	: According to below mentioned table	
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)	
Temperature range	: -10°C to +200°C	
Working temp.	: 120°C - 16 bar	
	: 200°C - 12 bar	

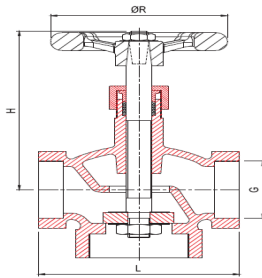


Article no.	DIMENSIONS (mm)				H	ØR	Weight (Kg)
	DN	G	L1	L2			
05400221	10	3/8"	35	30	86	63	0,6
05400222	15	1/2"	40	35	86	6,3	0,6
05400223	20	3/4"	45	40	100	80	0,8
05400224	25	1"	50	45	105	80	1,2
05400225	32	1 1/4"	55	50	120	90	1,9
05400226	40	1 1/2"	65	55	135	100	2,5
05400227	50	2"	75	65	150	125	4,0
05400228	65	2 1/2"	90	75	230	160	7,5
05400229	80	3"	110	90	250	200	11,5

Options: - With spring

## **3 –way Valves**

## Globe valves



### Globe valves bronze (RG5)

Type : 86

#### Change over valve 3-way

Suitable for: Water, steam and oil.

- \* For mixing or diverting the liquid.
- \* Flow direction acc. to the arrows on the valve body.

#### Specifications

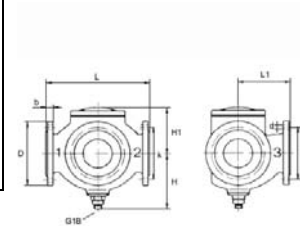
<b>Type</b>	: 86
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Brass CuZn35NiF45
Gland packing	: PTFE
Face to face	: DIN HNA Sr6
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +180°C
Working temp.	: 100°C - 10 bar
	: 180°C - 8 bar

Article no.	DIMENSIONS (mm)				ØR	Weight (Kg)
	DN	G	L	H		
05400166	15	1/2"	65	95	55	0,6
05400167	20	3/4"	76	100	65	0,7
05400168	25	1"	80	105	65	0,8
05400169	32	1 1/4"	90	115	75	1,3
05400170	40	1 1/2"	102	130	85	1,7
05400171	50	2"	136	145	100	3,3

Options: - Flanged type

## Control Valves

<b>3-Way Globe valves bronze (RG10)</b>		<b>Type : L3F</b>
<b>Flange connection PN 10</b>		
<b>Suitable for:</b> Mixing valve for hot water and especially warm seawater.		
*		
<b>Specifications</b>		
<b>Type</b>	: <b>L3F</b>	
<b>Material</b>	: <b>Bronze RG10</b>	
Pressure rating	: PN 10	
Bonnet	: RG10	
Disc	: RG10	
Seat	: RG10	
Stem	: Stainless steel	
Connections	: Flanges DIN86021	
Temperature range	: max. 120°C	
Leakage rate	: ≤0,5% of full flow rate	



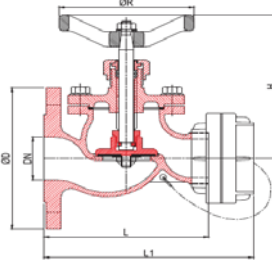
Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	L1	H / H1	D	PCD	Weight (kg)
05400172	65	240	120	175 / 120	185	145 x 4 x 18	
05400173	80	260	130	185 / 125	200	160 x 8 x 18	
05400174	100	350	175	195 / 145	200	180 x 8 x 18	
05400175	125	400	240	245 / 180	250	210 x 8 x 18	
05400176	150	400	240	245 / 180	285	240 x 8 x 22	

Options: - Mounted with pneumatic linear actuator type S.

# Fire & Deckwash Valves



## Globe valves



### Globe valves bronze (RG5)

Type : 71-CPL

Fire and Deckwash valve, PN 10/16

Suitable for: Water

- \* Storz-c coupling.
- \* Bolted bonnet and double sealing.

### Specifications

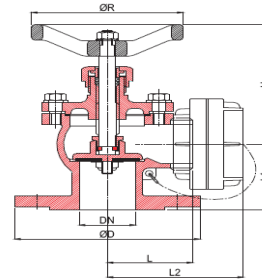
<b>Type</b>	: 71-CPL
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: Special brass CuZn39Pb3 (Ms58)
Disc sealing ring	: NBR
Stem	: Special brass CuZn39Pb3 (Ms58)
Face to face	: Acc. to below table
Connections	: Inlet : DIN 2501 PN 16, outlet : BSP male thread
Temperature range	: -10°C to +60°C

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN / G	L / L1	ØR	H	ØD	PCD	Weight (kg)
90998725	40 / 1 1/2"	165 / 222	140	160	150	110 x 4 x 18	7,0
90998699	50 / 2"	165 / 222	140	160	165	155 x 4 x 18	9,0
90998726	65 / 2 1/2"	200 / 260	160	185	185	145 x 4 x 18	11

- Options:
- Handwheel in gunmetal
  - Disc in bronze (RG5)
  - Other flange drilling

## Globe valves

<b>Globe valves bronze (RG5)</b>		<b>Type : 71A-CPL</b>
<b>Fire and Deckwash valve, angle, PN 10/16</b>		
Suitable for: Water		
* Storz-c coupling. * Bolted bonnet and double sealing.		
<b>Specifications</b>		
<b>Type</b>	: <b>71A-CPL</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 10/16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: Special brass CuZn39Pb3 (Ms58)	
Disc sealing ring	: NBR	
Stem	: Special brass CuZn39Pb3 (Ms58)	
Face to face	: Acc. to below table	
Connections	: Inlet : DIN 2501 PN 16, outlet : BSP male thread	
Temperature range	: -10°C to +60°C	

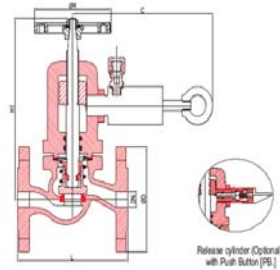
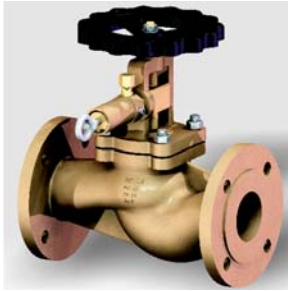


Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN / G	L / L1 / L2	ØR	H	ØD	PCD	Weight (kg)
90998723	40 / 1 1/2"	75 / 75 / 132	140	145	150	110 x 4 x 18	7,0
90998265	50 / 2"	75 / 75 / 132	140	145	165	155 x 4 x 18	8,0
90998724	65 / 2 1/2"	95 / 90 / 156	160	155	185	145 x 4 x 18	10

- Options:
- Handwheel in gunmetal
  - Disc in bronze (RG5)
  - Other flange drilling

# Quick Acting Valves

## Globe valves



### Globe valves bronze (RG5)

Type : 53

Flange connection PN 10/16, quick closing

Suitable for: Fuel and oil etc.

\* Quick closing valve for marine service, providing a quick shut-off in emergency situations from outside the engine room and above the water line. The valves are equipped with a release cylinder.

### Specifications

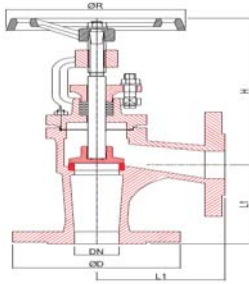
<b>Type</b>	: 53
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: Stainless steel 1.4301
Stem	: Stainless steel 1.4301
Spring	: Stainless steel 1.4310
Bonnet gasket	: Graphite
Cylinder	: Brass
Retainer block	: Brass
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16 DN 15 - DN 175 : DIN 2501 PN 10 DN 200
Temperature range	: -10°C to +150°C
Working temp.	: Up to 150°C : DN 15 - DN 150 : 16 bar : DN 175 - DN 200 : 10 bar

When ordering please state classification demands.

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR / C	H1	ØD	PCD	Weight (kg)
05400183	15	130	120 / 190	175	95	65 x 4 x 14	6,0
05400184	20	150	120 / 190	175	105	75 x 4 x 14	7,0
05400185	25	160	140 / 190	190	115	85 x 4 x 14	8,0
05400186	32	180	140 / 190	190	140	100 x 4 x 18	9,0
05400187	40	200	160 / 195	205	150	110 x 4 x 18	13
05400188	50	230	160 / 195	215	165	155 x 4 x 18	16
05400189	65	290	180 / 195	245	185	145 x 4 x 18	21
05400190	80	310	200 / 195	270	200	160 x 8 x 18	28
05400191	100	350	225 / 195	305	220	180 x 8 x 18	40
05400192	125	400	250 / 195	330	250	210 x 8 x 18	60
05400193	150	480	300 / 195	380	285	240 x 8 x 22	115
	175	550	400 / 195	450	315	270 x 8 x 22	160
05400194	200	600	400 / 195	450	340	295 x 8 x 22	170

- Options:
- Impulse unit for remote control
  - Push button instead of pull ring
  - Other flange drilling

## Globe valves



### Globe valves bronze (RG5)

Type : 53A

Flange connection PN 10/16, quick closing angle

Suitable for: Fuel, oil etc.

\* Quick closing valve for marine service, providing a quick shut-off in emergency situations from outside the engine room and above the water line. The valves are equipped with a release cylinder.

### Specifications

<b>Type</b>	: 53A
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: Stainless steel 1.4301
Stem	: Stainless steel 1.4301
Spring	: Stainless steel 1.4310
Bonnet gasket	: Graphite
Cylinder	: Brass
Retainer block	: Brass
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16 DN 15 - DN 175 : DIN 2501 PN 10 DN 200
Temperature range	: -10°C to +150°C
Working temp.	: Up to 150°C : DN 15 - DN 150 : 16 bar : DN 175 - DN 200 : 10 bar

When ordering please state classification demands.

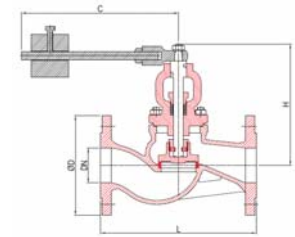
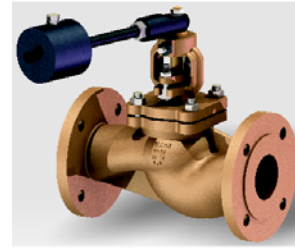
Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	ØR / C	H	ØD	PCD	Weight (kg)
05400061	15	90	120 / 190	170	95	65 x 4 x 14	5,5
05400062	20	95	120 / 190	170	105	75 x 4 x 14	6,5
05400063	25	100	140 / 190	180	115	85 x 4 x 14	7,0
05400064	32	105	140 / 190	180	140	100 x 4 x 18	9,0
05400065	40	115	160 / 195	200	150	110 x 4 x 18	12
05400066	50	125	160 / 195	200	165	155 x 4 x 18	15
05400067	65	145	180 / 195	225	185	145 x 4 x 18	20
05400068	80	155	200 / 195	245	200	160 x 8 x 18	27
05400069	100	175	225 / 195	275	220	180 x 8 x 18	36
05400070	125	200	250 / 195	275	250	210 x 8 x 18	55
05400071	150	225	300 / 195	315	285	240 x 8 x 22	85
	175	250	400 / 195	360	315	270 x 8 x 22	230
05400072	200	275	400 / 195	360	340	295 x 8 x 22	150

- Options:**
- Impuls unit for remote control
  - Push button instead of pull ring
  - Other flange drilling

# Self Closing Valves

## Globe valves

<b>Globe valves bronze (RG5)</b>	<b>Type : 54</b>
<b>Flange connection PN 10/16, self closing</b>	
<b>Suitable for:</b> Hot and cold water, oil and steam.	
<p>* For marine service, as quickly operated safety valves with counter weighted lever.          * With a 90° turn the valve will open or close respectively.</p>	
<b>Specifications</b>	
<b>Type</b>	: <b>54</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Lever & counter weight:	: Steel (St37)
Disc	: Stainless steel 1.4301
Stem	: Stainless steel 1.4301
Bonnet gasket	: Graphite
Gland packing	: Graphite
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16
Temperature range	: -10°C to +120°C
Working temp.	: Up to 120°C
	: DN 15 - DN 100 : 16 bar
When ordering please state classification demands.	

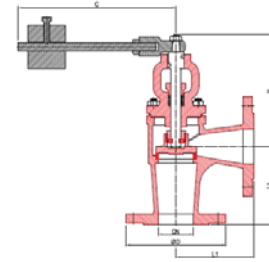
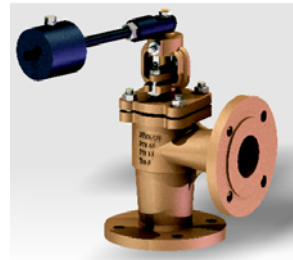


Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	C	H	ØD	PCD	Weight (kg)
05400195	15	130	242	159	95	65 x 4 x 14	7,0
05400196	20	150	242	159	105	75 x 4 x 14	8,0
05400197	25	160	242	166	115	85 x 4 x 14	9,0
05400198	32	180	242	166	140	100 x 4 x 18	11
05400199	40	200	292	207	150	110 x 4 x 18	17
05400200	50	230	292	220	165	155 x 4 x 18	19
05400201	65	290	292	226	185	145 x 4 x 18	25
05400202	80	310	292	267	200	160 x 8 x 18	33
05400203	100	350	292	275	220	180 x 8 x 18	45

Options: - Anti clockwise closing  
 - Other flange drilling

## Globe valves

<b>Globe valves bronze (RG5)</b>	<b>Type : 54A</b>
<b>Flange connection PN 10/16, angle self closing</b>	
<b>Suitable for:</b> Hot and cold water, oil and steam.	
* For marine service, as quickly operated safety valves with counter weighted lever. * With a 90° turn the valve will open or close respectively.	
<b>Specifications</b>	
<b>Type</b>	: <b>54A</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
<b>Pressure rating</b>	: PN 10/16
<b>Bonnet</b>	: G-CuSn5ZnPb (RG5)
<b>Lever &amp; counter weight:</b>	: Steel (St37)
<b>Disc</b>	: Stainless steel 1.4301
<b>Stem</b>	: Stainless steel 1.4301
<b>Bonnet gasket</b>	: Graphite
<b>Gland packing</b>	: Graphite
<b>Face to face</b>	: EN 558 series 1, DIN 3202-F1
<b>Connections</b>	: DIN 2501 PN 16
<b>Temperature range</b>	: -10°C to +120°C
<b>Working temp.</b>	: Up to 120°C
	: DN 15 - DN 100 : 16 bar
When ordering please state classification demands.	



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	C	H	ØD	PCD	Weight (kg)
05400073	15	90	242	153	95	65 x 4 x 14	6,5
05400074	20	95	242	153	105	75 x 4 x 14	7,5
05400075	25	100	242	153	115	85 x 4 x 14	8,5
05400076	32	105	242	158	140	100 x 4 x 18	10
05400077	40	115	292	203	150	110 x 4 x 18	16
05400078	50	125	292	208	165	155 x 4 x 18	17
05400079	65	145	292	208	185	145 x 4 x 18	23
05400080	80	155	292	240	200	160 x 8 x 18	32
05400081	100	175	292	260	220	180 x 8 x 18	43

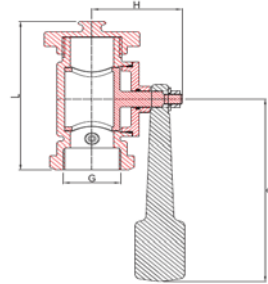
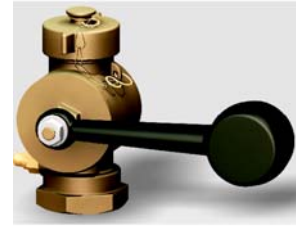
Options: - Anti clockwise closing  
 - Other flange drilling



# Sounding Cock Valves

## Globe valves

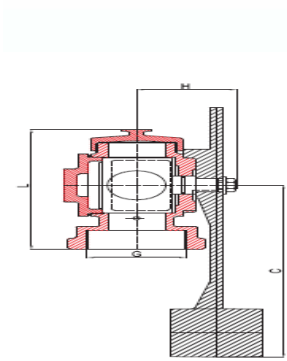
<b>Globe valves bronze (RG5)</b>	<b>Type : 84</b>
<b>Sounding cock - self closing type</b>	
<b>Suitable for:</b> Self closing valve for tank sounding.	
<ul style="list-style-type: none"> <li>* 360° turning lever</li> <li>* With brass self closing test valve</li> <li>* With cap and chain</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>84</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: 2,5 bar
Plug	: G-CuSn5ZnPb (RG5)
Cap	: G-CuSn5ZnPb (RG5)
Bonnet	: G-CuSn5ZnPb (RG5)
Lever	: Cast iron EN-GJL250 (GG25)
Test valve	: Brass CuZn39Pb3 (Ms58)
O-rings	: NBR
Face to face	: DIN 86120
Connections	: BSP female DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +90°C
Working temp.	: max. 90°C



Article no.	DIMENSIONS (mm)				H	Weight (Kg)
	DN	G	L	C		
90990010	32	1 1/4"	150	150	75	3,4
90990011	40	1 1/2"	150	150	75	3,5
90990012	50	2"	150	150	75	4,0

Options: - Foot pedal  
 - Lever in gunmetal

## Globe valves



### Globe valves bronze (RG5)

Type : 84-ST

#### Sounding cock - self closing type, with end stop

**Suitable for:** Self closing valve for tank sounding.

- \* Lever with end stop
- \* With brass self closing test valve
- \* With cap and chain

#### Specifications

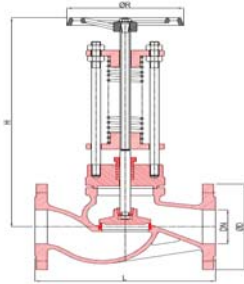
<b>Type</b>	: 84-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: 2,5 bar
Plug	: G-CuSn5ZnPb (RG5)
Cap	: G-CuSn5ZnPb (RG5)
Bonnet	: G-CuSn5ZnPb (RG5)
Lever	: Cast iron EN-GJL250 (GG25)
Test valve	: Brass CuZn39Pb3 (Ms58)
O-rings	: NBR
Face to face	: DIN 86120
Connections	: BSP female DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +90°C
Working temp.	: max. 90°C

Article no.	DIMENSIONS (mm)				H	Weight (Kg)
	DN	G	L	C		
90998538	32	1 1/4"	150	185	75	3,9
90998371	40	1 1/2"	150	185	75	4,0
90998727	50	2"	150	185	75	4,5

- Options: - Foot pedal  
 - Lever in gunmetal

# Overboard Valves

## Globe valves



### Globe valves bronze (RG5)

Type : 55-ST

Flange connection PN 10/16, overboard valve

Suitable for: Cooling water and bilge water systems.

- \* Stop valve
- \* Outside spring loaded

#### Specifications

<b>Type</b>	: 55-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Graphite
Gland packing	: Graphite
Columns	: Stainless steel AISI 304
Spring	: Galvanized steel 1.1200
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16 DN 15 - DN 175
	: DIN 2501 PN 10 DN 200 - DN 500
Temperature range	: -10°C to +120°C
Working temp.	: Up to 120°C
	: DN 15 - DN 175 : 16 bar
	: DN 200 - DN 300 : 10 bar
	: DN 350 - DN 500 : 4 bar

Adjustable opening pressure is set to 0,1 - 0,5 bar

When ordering please state classification demands.

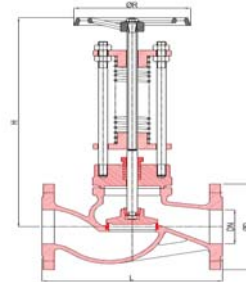
Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
0540098	15	130	120	251	95	65 x 4 x 14	4,0
0540099	20	150	120	251	105	75 x 4 x 14	5,0
05400100	25	160	140	265	115	85 x 4 x 14	6,0
05400101	32	180	140	280	140	100 x 4 x 18	8,0
05400102	40	200	160	350	150	110 x 4 x 18	11
05400103	50	230	160	373	165	155 x 4 x 18	13
05400104	65	290	180	400	185	145 x 4 x 18	18
05400105	80	310	200	490	200	160 x 8 x 18	27
05400106	100	350	225	522	220	180 x 8 x 18	42
05400107	125	400	250	618	250	210 x 8 x 18	70
05400108	150	480	300	750	285	240 x 8 x 22	115
	175	550	400	800	315	270 x 8 x 22	160
05400109	200	600	400	810	340	295 x 8 x 22	165
05400110	250	730	520	950	395	350 x 12 x 22	290
05400111	300	850	520	1007	445	400 x 12 x 22	380
05400204	350	980	640	1000	505	460 x 16 x 22	550
05400112	400	1100	640	1105	565	515 x 16 x 26	700
05400205	450	1200	640	1200	615	565 x 20 x 26	980
05400113	500	1250	640	1260	670	620 x 20 x 26	1200

Options: - Indicator

- Crank operation
- Blocks
- Other flange drilling

## Globe valves

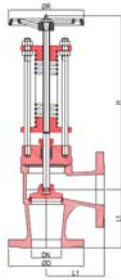
<b>Globe valves bronze (RG5)</b>		<b>Type : 55-SD</b>
<b>Flange connection PN 10/16, SDNR overboard valve</b>		
Suitable for: Cooling water and bilge water systems.		
* SDNR valve * Outside spring loaded		
<b>Specifications</b>		
<b>Type</b>	: <b>55-SD</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 10/16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: G-CuSn5ZnPb (RG5)	
Stem	: Special brass CuZn35NiF45	
Bonnet gasket	: Graphite	
Gland packing	: Graphite	
Columns	: Stainless steel AISI 304	
Spring	: Galvanized steel 1.1200	
Face to face	: EN 558 series 1, DIN 3202-F1	
Connections	: DIN 2501 PN 16 DN 15 - DN 175	
	: DIN 2501 PN 10 DN 200 - DN 500	
Temperature range	: -10°C to +120°C	
Working temp.	: Up to 120°C	
	: DN 15 - DN 175 : 16 bar	
	: DN 200 - DN 300 : 10 bar	
	: DN 350 - DN 500 : 4 bar	
Adjustable opening pressure is set to 0,1 - 0.5 bar		
When ordering please state classification demands.		



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
05400082	15	130	120	251	95	65 x 4 x 14	4,0
05400083	20	150	120	251	105	75 x 4 x 14	5,0
05400084	25	160	140	265	115	85 x 4 x 14	6,0
05400085	32	180	140	280	140	100 x 4 x 18	8,0
05400086	40	200	160	350	150	110 x 4 x 18	11
05400087	50	230	160	373	165	155 x 4 x 18	13
05400088	65	290	180	400	185	145 x 4 x 18	18
05400089	80	310	200	490	200	160 x 8 x 18	27
05400090	100	350	225	522	220	180 x 8 x 18	42
05400091	125	400	250	618	250	210 x 8 x 18	70
05400092	150	480	300	750	285	240 x 8 x 22	115
	175	550	400	800	315	270 x 8 x 22	160
05400093	200	600	400	810	340	295 x 8 x 22	165
05400094	250	730	520	950	395	350 x 12 x 22	290
05400095	300	850	520	1007	445	400 x 12 x 22	380
05400206	350	980	640	1000	505	460 x 16 x 22	550
05400096	400	1100	640	1105	465	515 x 16 x 26	700
05400207	450	1200	640	1200	615	565 x 20 x 26	980
05400097	500	1250	640	1260	670	620 x 20 x 26	1200

- Options:** - Indicator  
 - With spring  
 - Crank operation  
 - Blocks - Other flange drilling

## Globe valves



### Globe valves bronze (RG5)

Type : 55A-ST

Flange connection PN 10/16, angle overboard valve

Suitable for: Cooling water and bilge water systems.

- \* Stop valve
- \* Outside spring loaded

### Specifications

<b>Type</b>	: 55A-ST
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Disc	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Graphite
Gland packing	: Graphite
Columns	: Stainless steel AISI 304
Spring	: Galvanized steel 1.1200
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16
Temperature range	: -10°C to +120°C
Working temp.	: Up to 120°C
	: DN 15 - DN 175 : 16 bar
	: DN 200 - DN 300 : 10 bar
	: DN 350 - DN 500 : 4 bar

Adjustable opening pressure is set to 0,1 - 0.5 bar

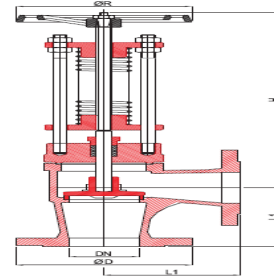
When ordering please state classification demands.

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	ØR	H	ØD	PCD	Weight (kg)
05400130	15	95	120	245	95	65 x 4 x 14	4,0
05400131	20	95	120	245	105	75 x 4 x 14	5,0
05400132	25	100	140	253	115	85 x 4 x 14	6,0
05400133	32	105	140	273,5	140	100 x 4 x 18	7,0
05400134	40	115	160	346	150	110 x 4 x 18	11
05400135	50	125	160	360	165	155 x 4 x 18	14
05400136	65	145	180	381	185	145 x 4 x 18	18
05400137	80	155	200	462	200	160 x 8 x 18	24
05400138	100	175	225	500	220	180 x 8 x 18	38
05400139	125	200	250	565	250	210 x 8 x 18	60
05400140	150	225	300	684	285	240 x 8 x 22	79
	175	250	400	700	315	270 x 8 x 22	132
05400141	200	275	400	715	340	295 x 12 x 22	140
05400142	250	325	520	810	395	350 x 12 x 20	240
05400143	300	375	520	850	445	400 x 12 x 22	330
05400208	350	425	640	900	505	460 x 16 x 22	450
05400144	400	475	640	930	565	515 x 16 x 26	480
05400209	450	500	640	1000	615	565 x 20 x 26	750
05400145	500	515	640	1100	670	620 x 20 x 26	900

- Options:
- Indicator
  - Crank operation
  - Blocks
  - Other flange drilling

## Globe valves

<b>Globe valves bronze (RG5)</b>		<b>Type : 55A-SD</b>
<b>Flange connection PN 10/16, SDNR angle overboard valve</b>		
Suitable for: Cooling water and bilge water systems.		
* Stop valve * Outside spring loaded		
<b>Specifications</b>		
<b>Type</b>	: <b>55A-SD</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 10/16	
Bonnet	: G-CuSn5ZnPb (RG5)	
Handwheel	: Cast iron GG-25	
Disc	: G-CuSn5ZnPb (RG5)	
Stem	: Special brass CuZn35NiF45	
Bonnet gasket	: Graphite	
Gland packing	: Graphite	
Columns	: Stainless steel AISI 304	
Spring	: Galvanized steel 1.1200	
Face to face	: EN 558 series 1, DIN 3202-F1	
Connections	: DIN 2501 PN 16	
Temperature range	: -10°C to +120°C	
Working temp.	: Up to 120°C	
	: DN 15 - DN 125 : 16 bar	
	: DN 150 - DN 200 : 10 bar	
	: DN 250 - DN 300 : 6 bar	
	: DN 350 - DN 500 : 4 bar	
Adjustable opening pressure is set to 0,1 - 0.5 bar		
When ordering please state classification demands.		



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L1	ØR	H	ØD	PCD	Weight (kg)
05400114	15	95	120	245	95	65 x 4 x 14	4,0
05400115	20	95	120	245	105	75 x 4 x 14	5,0
05400116	25	100	140	253	115	85 x 4 x 14	6,0
05400117	32	105	140	273,5	140	100 x 4 x 18	7,0
05400118	40	115	160	346	150	110 x 4 x 18	11
05400119	50	125	160	360	165	155 x 4 x 18	14
05400120	65	145	180	381	185	145 x 4 x 18	18
05400121	80	155	200	462	200	160 x 8 x 18	24
05400122	100	175	225	500	220	180 x 8 x 18	38
05400123	125	200	250	565	250	210 x 8 x 18	60
05400124	150	225	300	684	285	240 x 8 x 22	79
	175	250	400	700	315	270 x 8 x 22	132
05400125	200	275	400	715	340	295 x 12 x 22	140
05400126	250	325	520	810	395	350 x 12 x 22	240
05400127	300	375	520	850	445	400 x 12 x 22	330
05400210	350	425	640	900	505	460 x 16 x 20	450
05400128	400	475	640	930	565	515 x 16 x 26	480
05400211	450	500	640	1000	615	565 x 20 x 26	750
05400129	500	515	640	1100	670	620 x 20 x 26	900

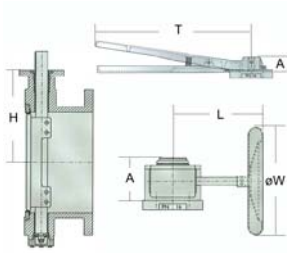
- Options:** - Indicator  
 - With spring  
 - Crank operation  
 - Blocks                    - Other flange drilling



# **Butterfly Valves**

## **Double Flanged**

## Butterfly valves



Butterfly valves		Type : HV-BAL/NSJ
<b>Flanged PN10/16 and NBR - seat</b>		
Suitable for: Seawater and other Liquids.		
<ul style="list-style-type: none"> <li>* Flanged type</li> <li>* Replaceable seating</li> <li>* Top flange acc. to ISO 5211 for for easy mounting of actuator.</li> <li>* Eccentric design.</li> </ul>		
<b>Specifications</b>		
<b>Type</b>	: <b>HV-BAL/NSJ</b>	
<b>Material</b>	: <b>Bronze RG5</b>	
<b>Pressure rating</b>	: PN 10. Option PN16	
<b>Disc</b>	: AISI316 / CF8M.	
<b>Stem</b>	: Stainless steel	
<b>Stem bush</b>	: Delrin on top stem and Bronze on bottom	
<b>Lever</b>	: Ductile iron w/steel plate, 8 pos.	
<b>Gear operator</b>	: Cast iron, Powder coated, IP68	
<b>Seat</b>	: NBR	
<b>Face to face</b>	: DIN 3202-F4 / EN558-1 series 14	
<b>Top flange</b>	: ISO 5211	
<b>Connection</b>	: Mounting between DIN flanges PN 10. option PN16	
<b>Temperature</b>	: NBR: -10°C to +80°C	

### With NBR-seat. Bare shaft

Article no.	DIMENSIONS (mm)					OTHER
	DN	L	H	Kv	Top flange	Weight (kg)
15360231	100	190	165			44
15360232	125	200	190			48
15360233	150	210	200			59
15360234	200	230	225			77
15360235	250	250	265			116
15360236	300	270	300			155
15360237	350	290	330			195
15360238	400	310	355			270
15360239	450	330	410			336
15360240	500	350	445			413
15360241	550	350	505			485
15360242	600	350	530			622
15360243	650	390	585			767
15360244	700	430	610			908
15360245	750	430	660			1034
15360246	800	470	680			1234
15360247	900	510	690			1488

### Lever type HL

Type no.	DIMENSIONS (mm)					OTHER
	DN	T	A			Weight (kg)
HL 2.1	40-100	232	55			1,7
HL 2.2	125-200	329	67			2,3
HL 2.3	250-300	400	75			4,2

## Butterfly valves

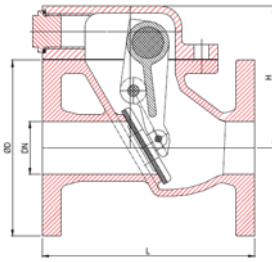
### Wormgear box type Q

Type no.	DIMENSIONS (mm)				OTHER
	DN	L	A	øW	Weight (kg)
Q200/P125	100	126	64	125	2,5
Q200/P160	125	135	64	160	2,6
Q400/P160	150-250	329	75	160	4,5
Q800/P200	300	254	91	200	8,4
Q2000/P315	350-400	275	100	315	17,5
Q2000/P400	450	275	100	400	17,7
Q4000/P400	500	343	100	500	18,0
Q4000/P400	600	397	128	500	32,5

- Also available:**
- Complete with pneumatic or electrical actuator.
  - Centric fully lined version type BA.
  - Body materials: Ductile iron, Cast steel, Stainless steel, AL-BR etc.
  - Seat materials: EPDM, Viton, PTFE
  - Disc materials: Ductile iron, AL-BR, Monel etc.
  - Also special Shaft and Pin materiale and coatings.

# Storm Valves

## Storm valves



### Storm valves bronze Type : 72

#### Flanged connection PN 10/16

**Suitable for:** Mainly installed in sanitary piping systems which have a ship's side exit.

- \* Flat faced DIN flanges
- \* NBR vulcanized disc
- \* Prevents seawater entering the system during heavy sea

#### Specifications

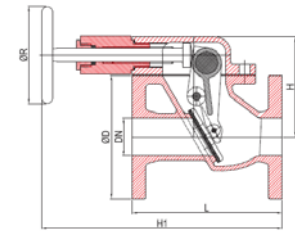
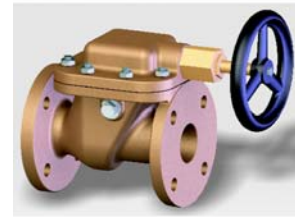
<b>Type</b>	: <b>72</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 4
Bonnet	: Bronze G-CuSn5ZnPb (RG5)
Disc	: Bronze G-CuSn5ZnPb (RG5)
Disc sealing	: NBR vulcanized on disc
Studbolts, nuts	: A2 (AISI 304)
Plug	: A2 (AISI 304)
Face to face	: EN 588 series 48 (DIN 3202 F6)
Connections	: Flanges EN 1092-3/A (DIN 2501)
	: DN 50 - DN 150 PN 10/16
	: DN 200 PN 10
Temperature range	: -10°C to +60°C

Article no.	DIMENSIONS (mm)				H	Weight (Kg)
	DN	ØD	PCD	L		
55308193	50	165	125 x 18 x 4	200	137	15
55308201	65	185	145 x 18 x 4	240	148	21
55308194	80	200	160 x 18 x 8	260	174	27
55308195	100	220	180 x 18 x 8	300	195	37
55308202	125	250	210 x 18 x 8	350	216	50
55308203	150	285	240 x 22 x 8	400	242	71
55308204	200	340	295 x 22 x 8	500	310	116

- Options:
- Other flange drilling
  - Closing device
  - Handwheel

## Storm valves

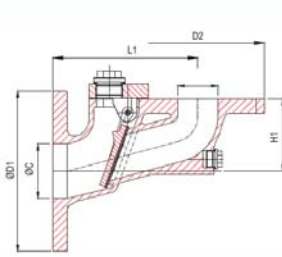
<b>Storm valves bronze</b>	<b>Type : 72-CD</b>
<b>Flanged connection PN 10/16, handwheel</b>	
<b>Suitable for:</b> Mainly installed in sanitary piping systems which have a ship's side exit.	
<ul style="list-style-type: none"> <li>* Flat faced DIN flanges</li> <li>* NBR vulcanized disc</li> <li>* Prevents seawater entering the system during heavy sea</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>72-CD</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 4
Bonnet	: Bronze G-CuSn5ZnPb (RG5)
Disc	: Bronze G-CuSn5ZnPb (RG5)
Disc sealing	: NBR vulcanized on disc
Studs, nuts	: A2 (AISI 304)
Plug	: Brass CuZn35NiF45
Stem, stem nut	: Brass CuZn39Bb3
Handwheel	: Cast iron GG25
Face to face	: EN 588 series 48 (DIN 3202 F6)
Connections	: Flanges EN 1092-3/A (DIN 2501)
	: DN 50 - DN 150 PN 10/16
	: DN 200 PN 10
Temperature range	: -10°C to +60°C



Article no.	DIMENSIONS (mm)				H	ØR	Weight (Kg)
	DN	ØD	PCD	L / H1			
55308206	50	165	125 x 18 x 4	200 / 280	137	140	15
55308207	65	185	145 x 18 x 4	240 / 340	148	140	21
55308208	80	200	160 x 18 x 8	260 / 360	174	140	27
55308209	100	220	180 x 18 x 8	300 / 410	195	140	37
55308210	125	250	210 x 18 x 8	350 / 485	216	160	50
55308211	150	285	240 x 22 x 8	400 / 520	242	160	71
55308212	200	340	295 x 22 x 8	500 / 620	310	160	116

**Options:** - Other flange drilling  
 - With indicator

## Storm valves



### Storm valves bronze

Type : 72A

#### Flanged connection PN 10/16, angle

**Suitable for:** Mainly installed in sanitary piping systems which have a ship's side exit.

- \* Flat faced DIN flanges
- \* NBR vulcanized disc
- \* Prevents seawater entering the system during heavy sea

#### Specifications

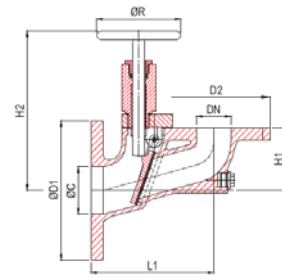
<b>Type</b>	: 72A
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 4
Bonnet	: Bronze G-CuSn5ZnPb (RG5)
Disc	: Bronze G-CuSn5ZnPb (RG5)
Disc sealing	: NBR vulcanized on disc
Studbolts, nuts	: A2 (AISI 304)
Plug	: A2 (AISI 304)
Face to face	: DIN HNA Sr6
Connections	: Flanges EN 1092-3/A (DIN 2501)
	: DN 50 - DN 150 PN 10/16
	: DN 200 PN 10
Temperature range	: -10°C to +60°C

Article no.	DIMENSIONS (mm)				H1	ØC	Weight (Kg)
	DN	ØD1 / ØD2	PCD	L1			
55300002	50	200 / 165	125 x 18 x 4	185	90	80	15
55300003	65	220 / 185	145 x 18 x 4	200	100	100	21
55300004	80	250 / 200	160 x 18 x 8	215	108	125	27
55300005	100	285 / 220	180 x 18 x 8	250	130	150	37
55300006	125	315 / 250	210 x 18 x 8	290	152	175	50
55300007	150	340 / 285	240 x 22 x 8	330	176	200	71
55300008	200	395 / 340	295 x 22 x 8	425	200	250	116

- Options:**
- Other flange drilling
  - Closing device
  - Handwheel

## Storm valves

<b>Storm valves bronze</b>		<b>Type : 72A-CD</b>
<b>Flanged connection PN 10/16, angle, handwheel</b>		
<b>Suitable for:</b> Mainly installed in sanitary piping systems which have a ship's side exit.		
<ul style="list-style-type: none"> <li>* Flat faced DIN flanges</li> <li>* NBR vulcanized disc</li> <li>* Prevents seawater entering the system during heavy sea</li> </ul>		
<b>Specifications</b>		
<b>Type</b>	: <b>72A-CD</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
<b>Pressure rating</b>	: PN 4	
<b>Bonnet</b>	: Bronze G-CuSn5ZnPb (RG5)	
<b>Disc</b>	: Bronze G-CuSn5ZnPb (RG5)	
<b>Disc sealing</b>	: NBR vulcanized on disc	
<b>Studs, bolts, nuts</b>	: A2 (AISI 304)	
<b>Plug</b>	: A2 (AISI 304)	
<b>Stem, stem nut</b>	: Brass CuZn39Pb3	
<b>Handwheel</b>	: Cast iron GG25	
<b>Face to face</b>	: DIN HNA Sr6	
<b>Connections</b>	: Flanges EN 1092-3/A (DIN 2501)	
	: DN 50 - DN 150 PN 10/16	
	: DN 200 PN 10	
<b>Temperature range</b>	: -10°C to +60°C	



Article no.	DIMENSIONS (mm)				H1 / H2	ØR	Weight (Kg)
	DN / ØC	ØD1 / ØD2	PCD	L1			
55300010	50 / 68	200 / 165	125 x 18 x 4	180	90 / 260	140	15
55300011	65 / 85	220 / 185	145 x 18 x 4	200	100 / 270	140	21
55300012	80 / 100	250 / 200	160 x 18 x 8	215	108 / 290	140	27
55300013	100 / 130	285 / 220	180 x 18 x 8	250	130 / 305	140	37
55300014	125 / 158	315 / 250	210 x 18 x 8	290	152 / 330	160	50
55300015	150 / 190	340 / 285	240 x 22 x 8	330	176 / 350	160	71
55300016	200 / 240	395 / 340	295 x 22 x 8	425	200 / 350	160	83

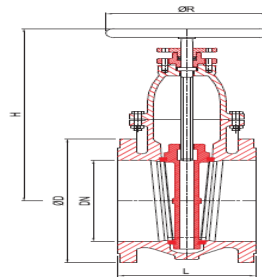
**Options:** - Other flange drilling  
 - With indicator



# Gate Valves

## Gate valves

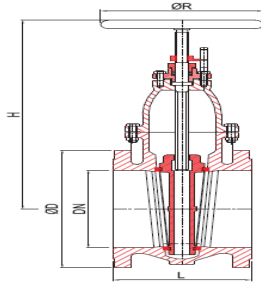
<b>Gate valves bronze (RG5)</b>	<b>Type : 67</b>
<b>Flange connection PN 10/16</b>	
Suitable for: suitable for hot and cold water	
* Inside screwed stem * Non-rising stem and handwheel	
<b>Specifications</b>	
<b>Type</b>	: <b>67</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Wedge	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Asbestos free
Gland packing	: PTFE
Face to face	: EN 558 series 14, DIN 3202-F4
Connections	: DIN 2501 PN 16, raised face
Temperature range	: -10°C to +120°C
Working temp.	: Up to 120°C
	: DN 40 - DN 150 : 16 bar
	: DN 175 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar
	: DN 600 - DN 700 : 2,5 bar
When ordering please state classification demands.	



Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
20500001	40	140	140	230	150	110 x 4 x 18	14
20500002	50	150	140	235	165	155 x 4 x 18	15
20500003	65	170	160	260	185	145 x 4 x 18	20
20500004	80	180	160	285	200	160 x 8 x 18	24
20500005	100	190	200	320	220	180 x 8 x 18	32
20500006	125	200	200	395	250	210 x 8 x 18	45
20500007	150	210	200	435	285	240 x 8 x 22	55
20500008	175	220	200	480	315	270 x 8 x 22	75
20500009	200	230	250	555	340	295 x 12 x 22	92
20500010	250	250	315	645	395	350 x 12 x 22	150
20500011	300	270	315	770	445	400 x 12 x 22	200
20500040	350	290	400	850	505	460 x 16 x 22	262
20500012	400	310	400	925	565	515 x 16 x 26	335
20500041	450	330	400	940	615	565 x 20 x 26	450
20500013	500	350	500	1120	670	620 x 20 x 26	530
20500014	600	390	500	1300	780	725 x 20 x 30	650
20500015	700	430	630	1500	895	840 x 24 x 30	830

- Options:**
- Drain plug
  - Flat faced flanges
  - Double threaded stem
  - Other flange drilling

## Gate valves



### Gate valves bronze (RG5)

Type : 67-IN

Flange connection PN 10/16, with indicator

Suitable for: Hot and cold water

- \* Inside screwed stem
- \* Non-rising stem and handwheel
- \* Position indicator

#### Specifications

<b>Type</b>	: 67-IN
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Wedge	: G-CuSn5ZnPb (RG5)
Stem	: Special brass CuZn35NiF45
Bonnet gasket	: Asbestos free
Gland packing	: PTFE
Face to face	: EN 558 series 14, DIN 3202-F4
Connections	: DIN 2501 PN 16, raised face
Temperature range	: -10°C to +120°C
Working temp.	: Up to 120°C
	: DN 40 - DN 150 : 16 bar
	: DN 175 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar
	: DN 600 - DN 700 : 2,5 bar

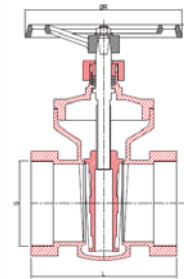
When ordering please state classification demands.

Article no.	DIMENSIONS (mm)				CONNECTIONS (mm)		OTHER
	DN	L	ØR	H	ØD	PCD	Weight (kg)
20508036	40	140	140	265	150	110 x 4 x 18	14
20508037	50	150	140	270	165	155 x 4 x 18	15
20508038	65	170	160	295	185	145 x 4 x 18	20
20508039	80	180	160	325	200	160 x 8 x 18	24
20508040	100	190	200	365	220	180 x 8 x 18	32
20508041	125	200	200	440	250	210 x 8 x 18	45
20508042	150	210	200	490	285	240 x 8 x 22	55
20508043	175	220	200	560	315	270 x 8 x 22	75
20508044	200	230	250	610	340	295 x 12 x 22	92
20508045	250	250	315	730	395	350 x 12 x 22	150
20508046	300	270	315	870	445	400 x 12 x 22	200
20508047	350	290	400	950	505	460 x 16 x 22	262
20508048	400	310	400	1045	565	515 x 16 x 26	335
20508049	450	330	400	1100	615	565 x 20 x 26	450
20508050	500	350	500	1250	670	620 x 20 x 26	530
20508051	600	390	500	1475	780	725 x 20 x 30	650
20508052	700	430	630	1650	895	840 x 24 x 30	830

- Options: - Drain plug  
 - Flat faced flanges  
 - Double threaded stem  
 - Other flange drilling

## Gate valves

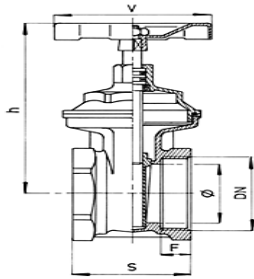
<b>Gate valves bronze (RG5)</b>	<b>Type : 70</b>
<b>Gate valve non-rising stem, threaded</b>	
<b>Suitable for:</b> Cold water and hot water.	
* Inside screwed stem. * Non-rising stem and handwheel.	
<b>Specifications</b>	
<b>Type</b>	: <b>70</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Wedge	: G-CuSn5ZnPb (RG5)
Handwheel	: Cast iron GG-25
Stem	: Brass CuZn35NiF45
Bonnet gasket	: NBR
Gland packing	: Asbestos free
Face to face	: DIN 3202 M14
Connections	: BSP-female acc. to DIN EN 10226-1 (DIN 2999)
Temperature range	: -10°C to +150°C
Working temp.	: 120°C - 16 bar
	: 150°C - 10 bar



Article no.	DIMENSIONS (mm)				ØR	Weight (Kg)
	DN	G	L	H		
20500020	15	1/2"	55	85	55	0,4
20500021	20	3/4"	60	105	55	0,5
20500022	25	1"	68	115	70	0,7
20500023	32	1 1/4"	76	130	70	1,2
20500024	40	1 1/2"	80	150	80	1,6
20500025	50	2"	136	145	100	3,3
20500026	65	2 1/2"	110	220	110	4,0
20500027	80	3"	120	250	150	6,0
20500028	100	4"	160	320	170	9,0

**Options:** - Secured bonnet

## Gate valves



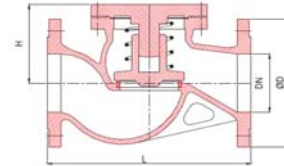
<b>Gate valve, bronze</b>	<b>Type : RIV 2010</b>
<b>Threaded connection BSP, PN 16</b>	
Suitable for: Water.	
*	
<b>Specifications</b>	
<b>Type</b>	: RIV 2010
<b>Material</b>	: 1/2" - 2" CuZn40Pb2 2 1/2" - 6" CuZn39Pb1Al
Pressure rating	: PN 16
Bonnet	: CuZn40Pb2
Wedge	: CuZn39Pb1Al
Stem	: CuZn39Pb3
Handwheel	: Steel FeP11 coated red
Temperatur	: -10°C to +90°C (without liquid)
Connection	: ISO 228/1

Article no.	DIMENSIONES (mm)				OTHER
	DN	Length S	Hight h	ØV	Weight (kg)
20500029	1/2"	38	68	45	0,19
20500030	3/4"	44	78	50	0,27
20500031	1 "	48	91	55	0,37
20500032	1.1/4"	51	108	60	0,52
20500033	1.1/2"	58	125	70	0,69
20500034	2 "	63	143	80	1,03
20500035	2.1/2"	65	155	100	1,0
20500036	3 "	74	178	100	1,0
20500042	3.1/2"	82	200	120	1,0
20500037	4 "	86	215	120	1,0
20500038	5 "	95	317	150	1,0
20500039	6 "	105	380	175	1,0

# Check Valves

## Check valves

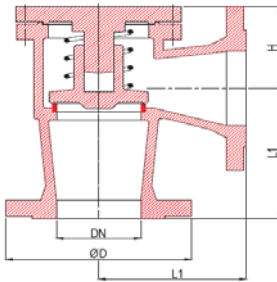
<b>Check valves bronze</b>	<b>Type : 61</b>
<b>Flange connection PN 10/16</b>	
Suitable for: Seawater, fresh water and waste water.	
* Lift type check valve	
<b>Specifications</b>	
<b>Type</b>	: <b>61</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Disc	: G-CuSn5ZnPb (RG5)
Spring	: 1.4310 (spring steel)
Bonnet gasket	: Graphite
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16
Temperature range	: -10°C to +180°C
Working temp.	: Up to 120°C
	: DN 15 - DN 125 : 16 bar
	: DN 150 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar



Article no.	DIMENSIONS (mm)				PCD	Weight (Kg)
	DN	L	H	ØD		
60500001	15	130	70	95	65 x 4 x 14	3,0
60500002	20	150	70	105	75 x 4 x 14	3,5
60500003	25	160	75	115	65 x 4 x 14	4,0
60500004	32	180	80	140	100 x 4 x 18	5,0
60500005	40	200	90	150	110 x 4 x 18	7,0
60500006	50	230	100	165	155 x 4 x 18	10
60500007	65	290	110	185	145 x 4 x 18	15
60500008	80	310	130	200	160 x 8 x 18	22
60500009	100	350	150	220	180 x 8 x 18	31
60500010	125	400	170	250	210 x 8 x 18	47
60500011	150	480	190	285	240 x 8 x 22	80
60500012	175	550	200	315	270 x 8 x 22	110
60500013	200	600	210	340	295 x 12 x 22	125
60500014	250	730	230	395	350 x 12 x 22	200
60500015	300	850	280	445	400 x 12 x 22	250
60500087	350	980	330	520	460 x 16 x 22	505
60500016	400	1100	370	565	515 x 16 x 26	500
60500088	450	1200	450	615	565 x 20 x 26	800
60500017	500	1250	500	670	620 x 20 x 26	1000

Options: - Without spring  
 - Other flange drilling

## Check valves



### Check valves bronze Type : 61A

Flange connection PN 10/16, angle

Suitable for: Seawater, fresh water and waste water.

\* Lift type check valve

#### Specifications

<b>Type</b>	: <b>61A</b>
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>
Pressure rating	: PN 10/16
Bonnet	: G-CuSn5ZnPb (RG5)
Disc	: G-CuSn5ZnPb (RG5)
Spring	: 1.4310 (spring steel)
Bonnet gasket	: Graphite
Face to face	: EN 558 series 1, DIN 3202-F1
Connections	: DIN 2501 PN 16
Temperature range	: -10°C to +180°C
Working temp.	: Up to 120°C
	: DN 15 - DN 125 : 16 bar
	: DN 150 - DN 200 : 10 bar
	: DN 250 - DN 300 : 6 bar
	: DN 350 - DN 500 : 4 bar

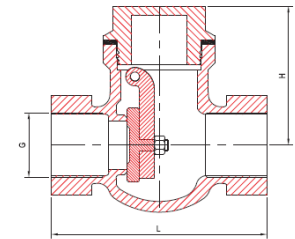
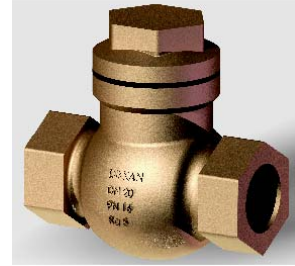
Article no.	DIMENSIONS (mm)					PCD	Weight (Kg)
	DN	L	H	ØD			
60500018	15	90	55	95	65 x 4 x 14	3,0	
60500019	20	95	55	105	75 x 4 x 14	3,5	
60500020	25	100	60	115	65 x 4 x 14	4,0	
60500021	32	105	60	140	100 x 4 x 18	6,0	
60500022	40	115	75	150	110 x 4 x 18	8,0	
60500023	50	125	80	165	155 x 4 x 18	10	
60500024	65	145	90	185	145 x 4 x 18	14	
60500025	80	155	105	200	160 x 8 x 18	18	
60500026	100	175	120	220	180 x 8 x 18	26	
60500027	125	200	140	250	210 x 8 x 18	40	
60500028	150	225	150	285	240 x 8 x 22	62	
60500029	175	250	160	315	270 x 8 x 22	100	
60500030	200	275	170	340	295 x 12 x 22	110	
60500031	250	325	190	395	350 x 12 x 22	170	
60500032	300	375	225	445	400 x 12 x 22	238	
60500089	350	425	280	505	460 x 16 x 22	330	
60500033	400	475	300	565	515 x 16 x 26	355	
60500090	450	500	340	615	565 x 20 x 26	680	
60500034	500	515	360	670	620 x 20 x 26	880	

Options: - Without spring  
 - Other flange drilling



## Check valves

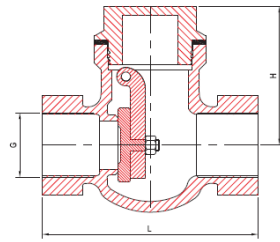
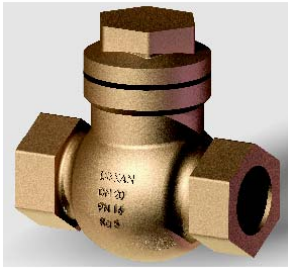
<b>Check valves bronze</b>		<b>Type : 76</b>
<b>Threaded connection PN 16, swing check</b>		
Suitable for: Seawater, fresh water and waste water.		
<ul style="list-style-type: none"> <li>* Swing type check valve</li> <li>* Screwed bonnet</li> </ul>		
<b>Specifications</b>		
<b>Type</b>	: <b>76</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
Pressure rating	: PN 16	
Bonnet	: Brass CuZn39Pb3 (Ms58)	
Disc	: Brass CuZn39Pb3 (Ms58)	
Disc sealing	: PTFE	
Bonnet gasket	: Asbestos free	
Face to face	: Acc. to table below	
Connections	: BSP-female DIN EN 10226-1 (DIN2999)	
Temperature range	: -10°C to +180°C	
Working temp.	: Up to 120°C 16 bar	
	: Up to 180°C 12 bar with metal sealing	



Article no.	DIMENSIONS (mm)				Weight (Kg)		
	DN	G	L	H			
60500050	10	3/8"	50	35	0,3		
60500051	15	1/2"	60	38	0,4		
60500052	20	3/4"	70	49	0,5		
60500053	25	1"	80	54	0,8		
60500054	32	1 1/4"	95	60	1,1		
60500055	40	1 1/2"	105	70	1,5		
60500056	50	2"	130	77	2,1		
60500057	65	2 1/2"	160	94	4,6		
60500058	80	3"	185	130	7,0		

Options: - Disc sealing in RG5

## Check valves



<b>Check valves bronze</b>		<b>Type : 2250</b>
<b>Threaded connection PN 10/16, swing check</b>		
<b>Suitable for:</b> General civil and industrial plant: water, heating and sanitary plants, water-works, irrigation, etc.		
* Swing type check valve * Screwed bonnet		
<b>Specifications</b>		
<b>Type</b>	: 2250	
<b>Material</b>	: Brass 1/2" - 4" Bronze 5" - 6"	
<b>Pressure rating</b>	: 1/2" - 3" PN 16	
	: 4" PN 12	
	: 5" - 6" PN 10	
<b>Bonnet</b>	: Brass	
<b>Disc</b>	: Brass	
<b>Disc sealing</b>	: Metal	
<b>Face to face</b>	: Acc. to table below	
<b>Connections</b>	: BSP-female ISO 228/1	
<b>Temperature range</b>	: -10°C to +90°C without liquid	
<b>Working pressure</b>	: max. working pressure (PN) means at room temperature 23°C	

Article no.	DIMENSIONS (mm)				Weight (Kg)		
	G	Kv	L	H			
60506012	1/2"	6,5	47	31	0,17		
60506034	3/4"	12	54	34	0,31		
60506100	1"	20	64	40	0,34		
60506114	1 1/4"	31	76	46	0,66		
60506112	1 1/2"	50	83	52	0,78		
60506200	2"	79	98	59	1,11		
	2 1/2"	130	116	67	1,91		
	3"	210	135	77	2,48		
	4"	370	164	91	3,66		
	5"	750	206	118	10,67		
	6"	1300	235	134	14,84		

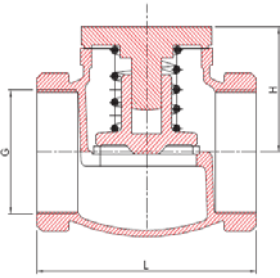
## Check valves

<b>Check valves bronze</b>		<b>Type : 2280</b>
<b>Threaded connection PN 8/10/16, spring check</b>		
<b>Suitable for:</b> General civil and industrial plant: water, heating and sanitary plants, water-works, irrigation, etc.		
*		
<b>Specifications</b>		
<b>Type</b>	: <b>2280</b>	
<b>Material</b>	: <b>Brass CuZn40Pb2</b>	
<b>Pressure rating</b>	: 3/8" - 1" PN 16	
	: 1 1/4" - 2" PN 10	
	: 2 1/2" - 4" PN 8	
<b>Body end</b>	: Brass	
<b>Obturator</b>	: POM	
<b>Disc sealing</b>	: NBR	
<b>Spring</b>	: Stainless steel AISI 302	
<b>Face to face</b>	: Acc. to table below	
<b>Connections</b>	: BSP-female ISO 228/1	
<b>Temperature range</b>	: -10°C to +90°C without liquid	
<b>Working pressure</b>	: max. working pressure (PN) means at room temperature 23°C	



Article no.	DIMENSIONS (mm)				Weight (Kg)		
	G	Kv	L	H			
60500072	3/8"	2,7	29	45	0,095		
60508284	1/2"	4,2	30	48	0,103		
60508299	3/4"	7	37	53	0,159		
60508285	1"	10	44	59	0,231		
60508286	1 1/4"	18,2	56	66	0,360		
60508300	1 1/2"	23	63	71	0,484		
60508301	2"	39	78	80	0,731		
	2 1/2"	60	103	93	1,297		
	3"	88	120	104	1,864		
	4"	160	155	119	3,193		

## Check valves



### Check valves bronze

Type : 64

Threaded connection PN 16, lift type

Suitable for: Water, steam and oil.

- \* Lift type check valve
- \* Screwed and secured bonnet
- \* With spring

### Specifications

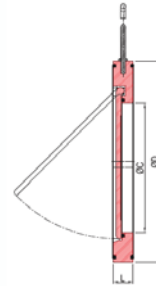
<b>Type</b>	: 64
<b>Material</b>	: Bronze G-CuSn5ZnPb (RG5)
Pressure rating	: PN 16
Bonnet	: G-CuSn5ZnPb (RG5)
Disc	: G-CuSn5ZnPb (RG5)
Spring	: 1.4310 (spring steel)
Face to face	: Acc. to table below
Connections	: BSP-female DIN EN 10226-1 (DIN2999)
Temperature range	: -10°C to +200°C
Working temp.	: Up to 120°C 16 bar
	: Up to 200°C 12 bar

Article no.	DIMENSIONS (mm)				Weight (Kg)		
	DN	G	L	H			
60500035	10	3/8"	60	40	0,3		
60500036	15	1/2"	65	40	0,4		
60500037	20	3/4"	75	50	0,5		
60500038	25	1"	90	50	0,9		
60500039	32	1 1/4"	105	60	1,3		
60500040	40	1 1/2"	120	65	1,9		
60500041	50	2"	145	75	3,0		
60500042	65	2 1/2"	170	90	6,0		
60500043	80	3"	200	100	7,5		
60500044	100	4"	220	150	9,0		

Options: - Without spring

## Check valves

<b>Check valves bronze</b>	<b>Type : 75</b>
<b>Flange connection PN 10/16, wafer type</b>	
<b>Suitable for:</b> Seawater, fresh water and waste water.	
<ul style="list-style-type: none"> <li>* Very short face to face length</li> <li>* Suitable for mounting between DIN flanges</li> <li>* For horizontal and vertical (upward flow) installation</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>75</b>
<b>Material</b>	: <b>G-CuSn5ZnPb (RG5)</b>
<b>Pressure rating</b>	: <b>PN 10/16</b>
<b>Disc</b>	: <b>G-CuSn5ZnPb (RG5)</b>
<b>Disc O-ring</b>	: <b>NBR</b>
<b>Flange O-ring</b>	: <b>NBR</b>
<b>Connection</b>	: <b>DN 40 - DN 200 : PN16</b> : <b>DN 250 - DN 800 : PN10</b>
<b>Face to face</b>	: <b>Acc. to table below</b>
<b>Temperature range</b>	: <b>-10°C to 100°C</b>



Article no.	DIMENSIONS (mm)					Weight (Kg)
	DN	ØD	L	ØC		
60508303	40	94	16	22	0,7	
60508304	50	109	16	30	0,9	
60508305	65	129	16	37	1,0	
60508306	80	144	16	48	1,5	
60508294	100	164	16	70	2,0	
60508307	125	194	18	95	3,5	
60508308	150	220	19	121	5,5	
60508309	200	275	29	155	13	
60508310	250	330	29	196	18	
60508311	300	380	38	230	30	
60508312	350	440	41	250	37	
60508313	400	491	51	303	57	
60508314	450	541	51	358	68	
60508315	500	596	61	398	105	
60508316	600	698	71	480	105	

**Also available:**

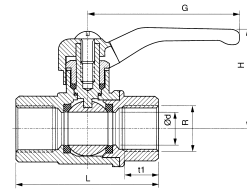
- Body and disc in other materials
- Disc seal in EPDM or PTFE

# **Ball Valves**

## **Threaded**

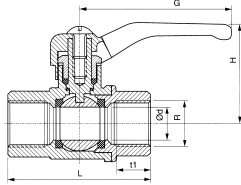
## Ball valves, threaded

<b>Ball Valve, Brass</b>	<b>Type : F.372</b>
<b>Treaded female/male, PN 25, fullbore</b>	
<b>Suitable for:</b> water, oil and air	
<ul style="list-style-type: none"> <li>* ACS french drinking water conformity</li> <li>* GOST russian water certification</li> <li>* Ucranian certification</li> <li>* IEST rumanian certification</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>F.372</b>
<b>Material</b>	: <b>Hot pres. brass EN 12165 (alloy CW 617 N), Nickel plated</b>
<b>Max.operating pres.</b>	: <b>PN 25: 1/4" - 2"</b>
<b>Ball</b>	: <b>Hard Chromed brass, polished</b>
<b>Stem</b>	: <b>Brass</b>
<b>Lever</b>	: <b>Red coated galv. steel</b>
<b>Seats</b>	: <b>PTFE</b>
<b>Stem seal 3/8"-11/4"</b>	: <b>2 x NBR o-ring.</b>
<b>Stem seal 11/2"-2"</b>	: <b>PTFE packing gland</b>
<b>Connection</b>	: <b>Female / Male according to ISO 228 cylindrical.</b>
<b>Temperature</b>	: <b>-20°C til +100°C.</b>



Item no.	Connection (mm)				OTHER	
	DN	Ø d	L	H	G	
10408104	3/8"	11	37	40	83	
10408066	1/2"	15	45	42	83	
10408093	3/4"	20	53	45	83	
10408052	1 "	25	65	63	90	
10408031	1.1/4"	32	72	67	110	
10408032	1.1/2"	35	85	70	110	
10408100	2 "	45	99	85	130	

## Ball valves, threaded



**Ball Valve, Brass** **Type : F.382**

**Treaded female/male, PN 40, fullbore**

**Suitable for:** water, oil and air

- \* ACS french drinking water conformity
- \* GOST russian water certification
- \* Ucranian certification
- \* IEST Rumanian certification

### Specifications

**Type** : **F.382**  
**Material** : **Hot pres. brass EN 12165 (alloy CW 617 N), Nickel plated**  
**Max.operating pres.** : 40 bar  
**Ball** : Hard Chromed brass, polished  
**Stem** : Brass  
**Lever** : Red coated galv. steel  
**Seats** : PTFE  
**Stem seal** : PTFE

**Connection** : Female / Male according to ISO 7/1 cylindrical.

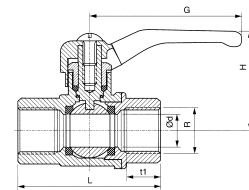
**Temperature** : -30°C to +150°C.

Item no.	Connection (mm)				OTHER
	DN	Ø d	L	H	G
	1/4"	9	46	42	83
	3/8"	11	49	43	83
	1/2"	15	63	45	83
	3/4"	20	74	49	83
	1 "	25	88	65	90
	1.1/4"	32	97	68	110
	1.1/2"	40	106	81	130
	2 "	50	131	110	190



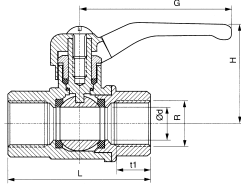
## Ball valves, threaded

<b>Ball Valve, Brass</b>	<b>Type : F.421</b>
<b>Threaded female/male for Gas, fullbore</b>	
<b>Suitable for:</b> water, oil, air and gas	
<ul style="list-style-type: none"> <li>* DVGW German certification</li> <li>* GOST russian certification</li> <li>* Ucranian certification</li> <li>*</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>F.421</b>
<b>Material</b>	: <b>Hot pres. brass EN 12165 (alloy CW 617 N), Nickel plated</b>
<b>Max.operating pres.</b>	: 5 (5 bar according to EN 331 standard)
<b>Ball</b>	: Hard Chromed brass, polished
<b>Stem</b>	: Brass
<b>Lever</b>	: Yellow coated galv. steel
<b>Seats</b>	: PTFE
<b>Stem seal</b>	: 2 x O-ring as the EN 549 standard
<b>Connection</b>	: Female / Male according to ISO 7/1 Rp
<b>Temperature</b>	: -20°C til +60°C.



Item no.	Connection (mm)				OTHER	
	DN	Ø d	L	H	G	
10400009	1/2"	15	62	45	83	
10400010	3/4"	20	74	49	83	
10400011	1 "	25	88	65	90	
10400012	1.1/4"	32	97	68	110	
10400013	1.1/2"	35	106	81	130	
10400014	2 "	45	131	110	190	

## Ball valves, threaded

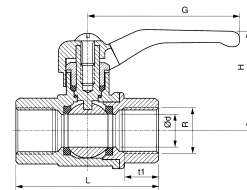


<b>Ball Valve, Brass</b>	<b>Type : F.300</b>
<b>Threaded connection, PN 25, full bore</b>	
Suitable for: water, oil and air.	
* High quality brass ball valve.	
<b>Specifications</b>	
<b>Type</b>	: <b>F.300</b>
<b>Material</b>	: <b>Hot pres. brass, Nickel plated.</b>
<b>Pressure rating</b>	: PN 25: 1/4" - 2", PN 40: 2 1/2" - 4"
<b>Ball</b>	: Hard chromed brass, polished
<b>Stem</b>	: Brass
<b>Lever</b>	: Red coated galv. steel
<b>Seats</b>	: PTFE
<b>Stem packing</b>	: PTFE
<b>Connection</b>	: Threaded BSP
<b>Temperature</b>	: -20°C to +120°C.

Article no.	DIMENSIONS (mm)				OTHER
	DN	Ø d	L	H	G
10401006	1/4"	9	36	39	73
10401010	3/8"	11	40	42	73
10401015	1/2"	15	49	45	83
10401020	3/4"	20	57	48	83
10401025	1 "	25	67	57	90
10401032	1.1/4"	32	80	77	110
10401040	1.1/2"	40	91	78	110
10401050	2 "	50	107	84	130
10401065	2.1/2"	63	155	128	200
10401080	3 "	74	176	133	270
10401100	4 "	100	218	151	270

## Ball valves, threaded

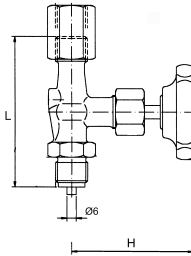
<b>Ball Valve, Brass</b>	<b>Type : F.300</b>
<b>Threaded / hose coupling connection, PN 25, full bore</b>	
<b>Suitable for:</b> water, oil and air.	
<ul style="list-style-type: none"> <li>* High quality brass ball valve.</li> <li>* Fitted with hose coupling on one end.</li> </ul>	
<b>Specifications</b>	
<b>Type</b>	: <b>F.300</b>
<b>Material</b>	: <b>Hot pres. brass, Nickel plated.</b>
<b>Pressure rating</b>	: PN 25
<b>Ball</b>	: Hard chromed brass, polished
<b>Stem</b>	: Brass
<b>Lever</b>	: Red coated galv. steel
<b>Seats</b>	: PTFE
<b>Stem packing</b>	: PTFE
<b>Connection</b>	: Threaded BSP / hose coupling
<b>Temperature</b>	: -20°C to +120°C.



Article no.	DIMENSIONS (mm)				OTHER
	DN	Ø d	L	H	G
10400021	1/2"	15	49	45	83
10400022	3/4"	20	57	48	83
10400023	1 "	25	67	57	90
10400024	1.1/4"	32	80	77	110

## Other Valves

## Pressure gauge valve



<b>Pressure gauge valve</b>	<b>Type : AT53</b>
<b>Threaded, PN 100</b>	
<b>Suitable for:</b> Liquids, gasses and steam.	
* Vibration resistant - Nut for stuffing box is locked with screw.	
<b>Specifications</b>	
<b>Type</b>	: <b>AT53</b>
<b>Material</b>	: <b>Brass SS 5170</b>
<b>Pressure rating</b>	: <b>PN 100</b>
<b>Stuffing box</b>	: <b>PTFE</b>
<b>Hand wheel</b>	: <b>Painted pressed steel</b>
<b>Temperature</b>	: <b>200°C depending on pressure</b>

### With test flange ø40 mm

Article no.	DN	DIMENSIONS (mm)		Weight
		L	H (max.)	kg
25452004	1/4"	54	75	
25452038	3/8"	54	78	
25452012	1/2"	64	78	

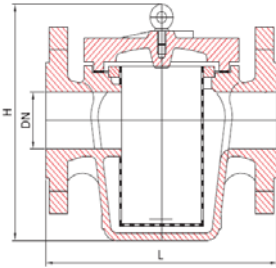
### Without test flange

Article no.	DN	DIMENSIONS (mm)		Weight
		L	H (max.)	kg
25451004	1/4"	54	75	
25451038	3/8"	54	75	
25451012	1/2"	64	78	

Options: - Pressure gauge valves according to DIN 16270/16271

# Strainers & Mudboxes

## Mudbox flanged

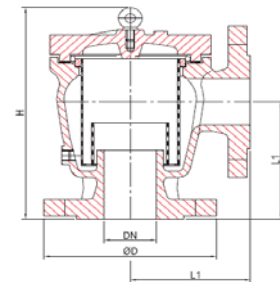


<b>Mud Box Bronze</b>		<b>Type : 79</b>
<b>Flange connection PN16, straight form</b>		
Suitable for: Suction and discharge lines for sea cooling water and bilge systems.		
* With drain plug		
<b>Specifications</b>		
<b>Type</b>	:	<b>79</b>
<b>Material</b>	:	<b>Bronze G-CuSn5ZnPb (RG5)</b>
<b>Pressure rating</b>	:	DN25 - DN450 : PN4
	:	DN500 - DN700 : PN2,5
<b>Bonnet</b>	:	Bronze G-CuSn5ZnPb (RG5)
<b>Bonnet gasket</b>	:	NBR
<b>Basket</b>	:	Stainless steel 1.4401 (AISI316)
<b>Perforation</b>	:	5mm up to DN65
	:	8mm from DN80
<b>Studbolts, nuts</b>	:	A2 (AISI304)
<b>Plug</b>	:	Stainless steel 1.4301 (AISI304)
<b>Working temperature:</b>	:	-10°C to 120°C
<b>Face to face</b>	:	DIN 87151
<b>Connections</b>	:	Flanges EN 1092-3/B (DIN2501)

Article no.	DIMENSIONS (mm)						Weight (Kg)
	DN	L	H	ØD	PCD		
50100381	25	160	180	115	65 x 4 x 14	6,0	
50100382	32	200	210	140	100 x 4 x 18	10	
50100383	40	200	210	150	110 x 4 x 18	12	
50100384	50	230	225	165	155 x 4 x 18	12	
50100385	65	290	265	185	145 x 4 x 18	23	
50100386	80	310	300	200	160 x 8 x 18	28	
50100387	100	350	340	220	180 x 8 x 18	39	
50100388	125	400	415	250	210 x 8 x 18	63	
50100389	150	480	465	285	240 x 8 x 22	84	
	175	600	575	315	270 x 8 x 22	141	
50100390	200	600	575	340	295 x 12 x 22	155	
50100391	250	600	620	405	355 x 12 x 26	175	
50100392	300	600 / 700	660	460	410 x 12 x 26	235	
	350	610 / 690 / 800	740	520	470 x 16 x 26	300	
50100393	400	740	900	580	525 x 16 x 30	430	
	450	1000	1000	640	585 x 20 x 30	480	
50100394	500	1100	1100	715	650 x 20 x 33	555	
50100395	600	1100	1100	840	770 x 20 x 36	820	
50100396	700	1250	1150	950	840 x 24 x 36	1000	

## Mudbox flanged

<b>Mud Box Bronze</b>		<b>Type : 79A</b>
<b>Flange connection PN16, angle form</b>		
<b>Suitable for:</b> Suction and discharge lines for sea cooling water and bilge systems.		
* With drain plug		
<b>Specifications</b>		
<b>Type</b>	: <b>79A</b>	
<b>Material</b>	: <b>Bronze G-CuSn5ZnPb (RG5)</b>	
<b>Pressure rating</b>	: DN25 - DN450 : PN4	
	: DN500 - DN600 : PN2,5	
<b>Bonnet</b>	: Bronze G-CuSn5ZnPb (RG5)	
<b>Bonnet gasket</b>	: NBR	
<b>Basket</b>	: Stainless steel 1.4401 (AISI316)	
<b>Perforation</b>	: 5mm up to DN65	
	: 8mm from DN80	
<b>Studbolts, nuts</b>	: A2 (AISI304)	
<b>Plug</b>	: Stainless steel 1.4301 (AISI304)	
<b>Working temperature:</b>	: -10°C to 120°C	
<b>Face to face</b>	: DIN 87151 angle type	
<b>Connections</b>	: Flanges EN 1092-3/B (DIN2501)	



Article no.	DIMENSIONS (mm)						Weight (Kg)
	DN	L1	H	ØD	PCD		
50100397	25	100	200	115	65 x 4 x 14	7,0	
50100398	32	105	250	140	100 x 4 x 18	11	
50100399	40	125	250	150	110 x 4 x 18	13	
50100400	50	135	260	165	155 x 4 x 18	18	
50100401	65	150	275	185	145 x 4 x 18	22	
50100402	80	175	350	200	160 x 8 x 18	31	
50100403	100	195	365	220	180 x 8 x 18	46	
50100404	125	220	425	250	210 x 8 x 18	62	
50100405	150	270	480	285	240 x 8 x 22	89	
	175	300	550	315	270 x 8 x 22	125	
50100406	200	300	550	340	295 x 12 x 22	133	
50100407	250	390	665	405	355 x 12 x 26	163	
50100408	300	450	765	460	410 x 12 x 26	175	
	350	400	735	520	470 x 16 x 26	230	
50100409	400	420 / 520	950	580	525 x 16 x 30	320	
	450	625	1050	640	585 x 20 x 30	460	
50100410	500	675	1070	715	650 x 20 x 33	700	
50100411	600	620 / 720	1225	840	770 x 20 x 36	950	