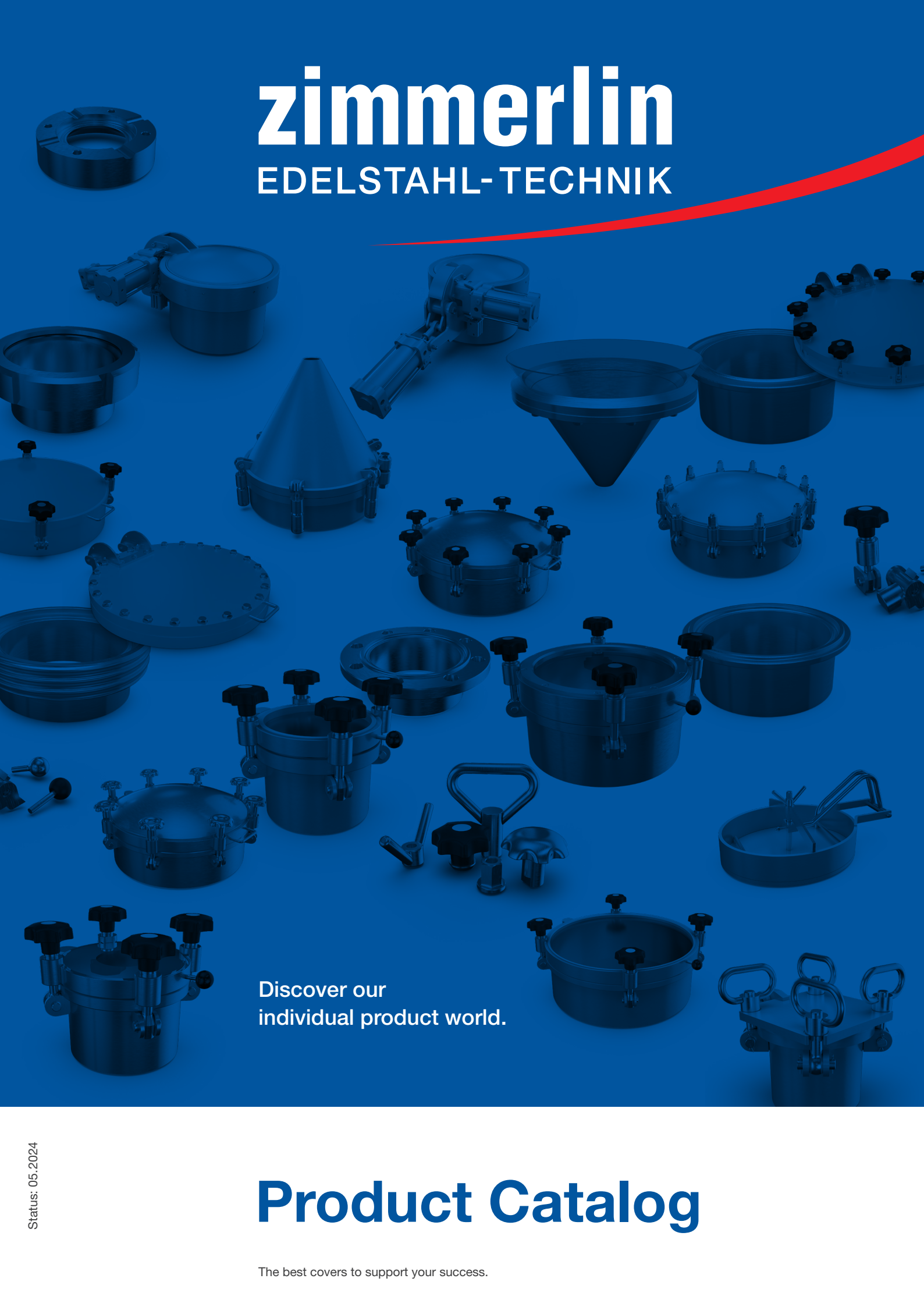




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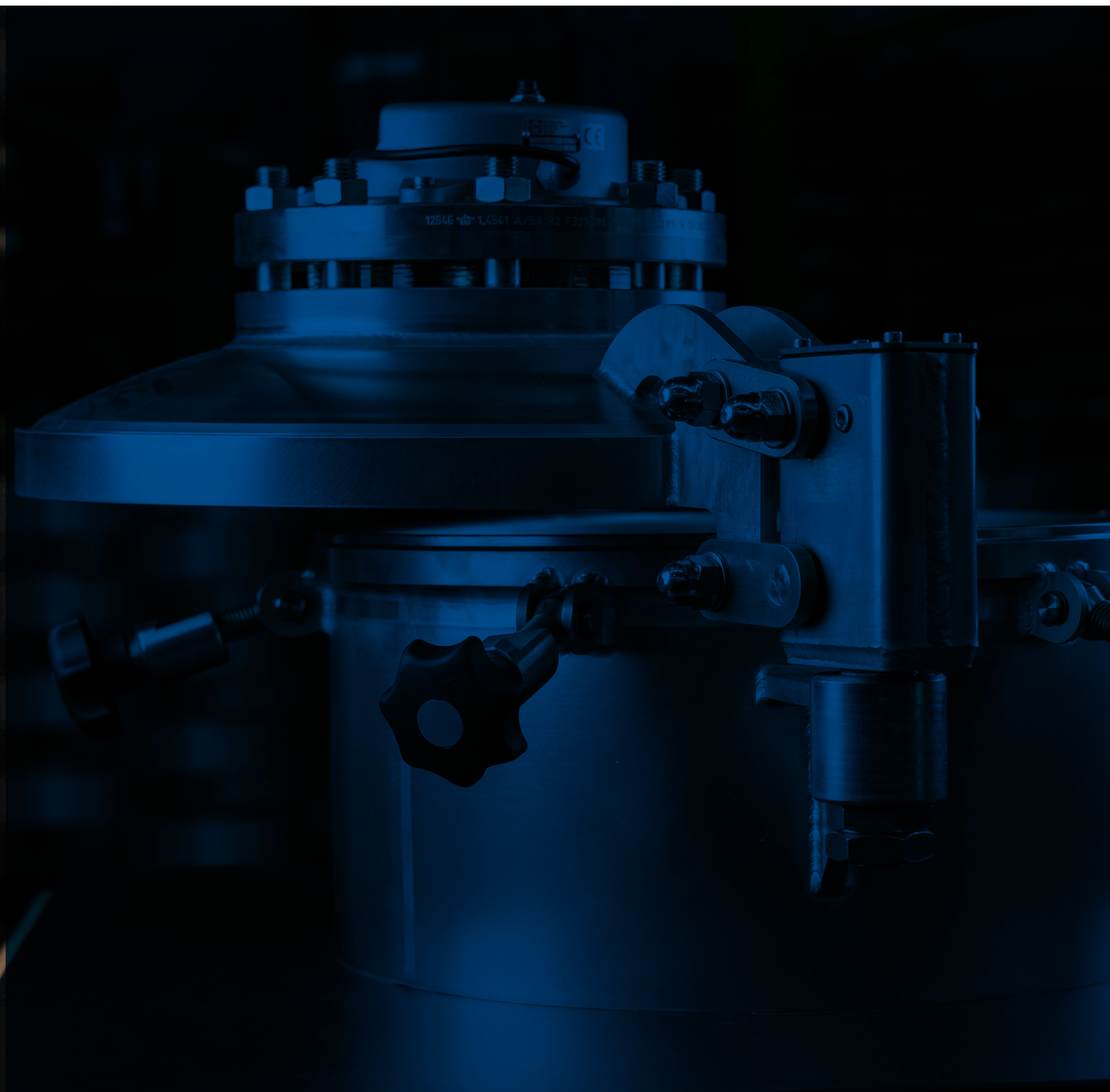
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Product Catalog

The best covers to support your success.

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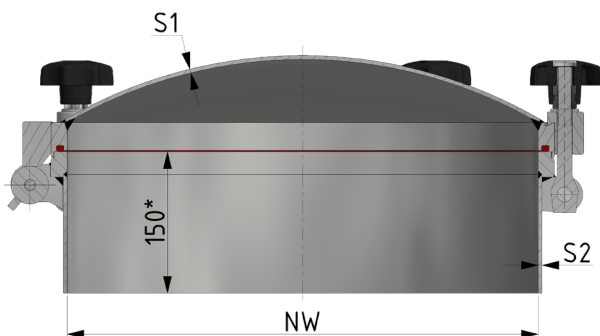
1. Pressure Covers

1.1 Round Pressure Cover up to 8/-1 bar



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and handle
- ⊙ Neck length 150 mm
(*up to NW150 – 100 mm)
- ⊙ Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

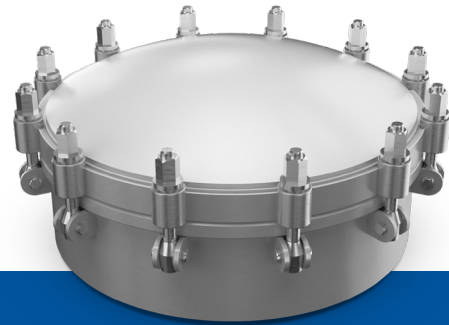
- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539,
1.4529, 1.4462, 1.4429, HC-22, HC-276,
HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm,
neck thickness up to 20 mm
- ⊙ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles,
toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (sightglasses,
TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval
Sec. VIII-1, latest Edition (additional
surcharge, design-changes possible)



1.1 Round Pressure Cover up to 8/-1 bar

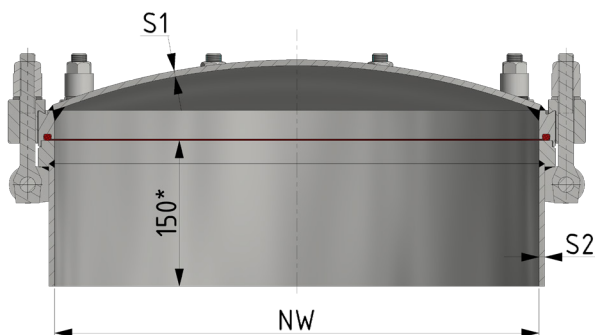
Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
20162004	100	6	200	4	6	5	9
21562004	150	6	200	4	5	5	11
22062004	200	6	200	4	5	4	14
22542804	250	4	280	4	4	4	16
22582504	250	8	250	4	6	4	17
23042504	300	4	250	4	4	4	18
23062506	300	6	250	6	5	4	21
23082506	300	8	250	6	6	4	22
23542004	350	4	200	4	4	4	21
23562006	350	6	200	6	4	4	24
24042804	400	4	280	4	4	4	24
24060506	400	6	50	6	4	4	27
24062808	400	6	280	8	5	4	28
24082810	400	8	280	10	6	4	31
24542806	450	4	280	6	4	4	28
24562508	450	6	250	8	4	4	31
24582010	450	8	200	10	5	4	34
25032806	500	3	280	6	4	4	31
25042808	500	4	280	8	4	4	33
25062510	500	6	250	10	4	4	38
25081512	500	8	150	12	5	4	40
26022806	600	2	280	6	4	4	42
26040508	600	4	50	8	4	4	44
26042810	600	4	280	10	4	4	46
26061512	600	6	150	12	4	4	49
26080512	600	8	50	12	5	4	53
27022808	700	2	280	8	4	4	56
27042812	700	4	280	12	5	4	64
27061516	700	6	150	16	5	4	70
27080518	700	8	50	18	6	4	78
28020508	800	2	50	8	4	4	76
28022810	800	2	280	10	4	4	78
28041514	800	4	150	14	5	4	82
28060518	800	6	50	18	5	4	90
28080520	800	8	50	20	6	4	97
29022812	900	2	280	12	5	4	87
29042018	900	4	200	18	5	4	103
29061022	900	6	100	22	8	4	115
29080524	900	8	50	24	8	4	128
21022812	1000	2	280	12	5	4	110
21042022	1000	4	200	22	6	4	118
21060524	1000	6	50	24	6	4	125

1.2 Round Pressure Cover over 10/-1 bar



Standard design

- Wetted materials: 1.4571
- Attachment parts: 1.4301
- Stainless steel collar nuts (not capped)
- Silicone-gasket
- Without hinge, with two handles on the lid
- Neck length 150 mm
(*up to NW150 – 100 mm)
- Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- With EU-approval (Modul G)
acc. PED 2014/68/EU
- Design Code: AD 2000-Merkblatt



Options

- Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- Hinge (if possible)
- Intermediate sizes
- Various gasket qualities
- Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- Neck length up to 2000 mm,
neck thickness up to 20 mm
- Conical design of the neck
(up to max. 8 mm neck thickness)
- Neck shaped to match tank-diameter
- Side swiveling
- Various handles (stainless steel handles,
toggles, nuts, etc.)
- Wedge for side installation
- Locking pin in open position
- Springassists (torsion- or toolspring)
- Installation of nozzles (sightglasses,
TC-ferrules (DIN32676), HZ-Connect, etc.)
- Various limit- / proximity-switches
- Safety-grill / safety-cross
- Attachment parts in other materials
- Various Design Codes:
ASME VIII-1, EN13445, etc.
- Optional with ASME-approval
Sec. VIII-1, latest Edition (additional
surcharge, design-changes possible)



1.2 Round Pressure Cover over 10/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
20102004	100	10	200	4	24*	6	9
20142004	100	40	200	4	24*	6	10
21502004	150	10	200	4	24*	6	13
21542004	150	40	200	6	24*	6	14
22102004	200	10	200	4	24*	6	19
22252006	200	25	200	6	24*	6	20
22402008	200	40	200	10	24*	6	22
22502004	250	10	200	4	24*	6	24
22552008	250	25	130	8	24*	6	27
23102006	300	10	180	6	6	6	23
23161508	300	16	150	8	10	6	27
23251010	300	25	50	10	10	6	29
23502006	350	10	100	6	6	6	28
23560508	350	16	50	8	8	6	33
23505012	350	25	50	12	10	6	40
24102510	400	10	200	10	6	6	33
24161512	400	16	150	14	10	6	41
24250516	400	25	50	16	12	6	47
24501010	450	10	100	10	6	6	39
24560514	450	16	50	14	8	6	48
25101012	500	10	100	12	6	6	45
25150516	500	16	50	16	8	6	55
25200520	500	20	50	20	10	6	62
26100514	600	10	50	14	6	6	52
26160522	600	16	50	22	8	6	65
27100520	700	10	50	20	8	6	87
27160530	700	16	50	30	10	6	104
28100524	800	10	50	24	8	6	115
28121036	800	12	100	36	10	6	133
29100530	900	10	50	30	10	6	139
21100538	1000	10	50	38	10	6	161

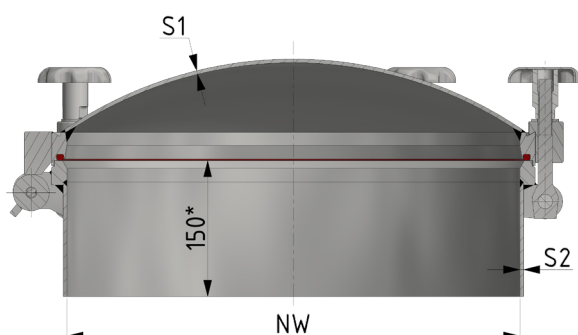
*flat version

1.3 Round Pressure Cover up to 8/-1 bar, Type RPDC-3A



Standard design

- Wetted material: 1.4404 (316L)
- Attachment parts: 1.4301 (304)
- 3A-conforming stainless steel handles
- 3A-conforming EPDM-gasket
- 3A-conforming flange connection (for horizontal installation)
- Neck length 150 mm (*up to NW150 – 100 mm), neck thickness 4 mm
- Internal surface polished $Ra < 0,8 \mu m$
- External surface polished $Ra < 1,6 \mu m$
- Attachment parts and their welding not grinded
- With EU-approval (Modul G) acc. PED 2014/68/EU
- Design Code: AD 2000-Merkblatt



Options

- Intermediate sizes
- Adoptions for side installation
- Various gasket qualities (3A-conforming, FKM, FEP-silicone, FEP-Viton, PFA-silicone)
- Various surface qualities (polished up to $Ra < 0,2 \mu m$)
- Neck length up to 2000 mm, neck thickness up to 20 mm
- Conical design of the neck (up to max. 8 mm neck thickness)
- Neck shaped to match tank-diameter
- Various handles (toggles, nuts)
- Wedge for side installation (to support alignment of the cover during closing)
- Locking pin in open position (with stainless steel sleeve and covered thread to secure the cover in open position)
- Springassists (toolspring – completely covered)
- Installation of nozzles (bolted type sightglass DIN28120, TC-ferrules (DIN32676), HZ-Connect)
- Attachment parts in 1.4404 (316L)
- Various Design Codes: ASME VIII-1, EN13445, etc.
- Optional with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

1.3 Round Pressure Cover up to 8/-1 bar, Type RPDC-3A

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
24642006-3A	460	4	200	6	5	4	30
24662008-3A	460	6	200	8	6	4	34
24682010-3A	460	8	200	10	8	4	39
25032006-3A	500	3	200	6	4	4	31
25042008-3A	500	4	200	8	5	4	35
25062010-3A	500	6	200	10	6	4	42
25081512-3A	500	8	150	12	8	4	46
26022006-3A	600	2	200	6	4	4	42
26040508-3A	600	4	50	8	4	4	44
26042010-3A	600	4	200	10	5	4	49
26061512-3A	600	6	150	12	6	4	52
26080512-3A	600	8	50	12	6	4	52
27022008-3A	700	2	200	8	4	4	56
27042012-3A	700	4	200	12	6	4	64
27061516-3A	700	6	150	16	6	4	70
27080518-3A	700	8	50	18	6	4	78
28020508-3A	800	2	50	8	4	4	76
28022010-3A	800	2	200	10	4	4	78
28041514-3A	800	4	150	14	6	4	82
28060518-3A	800	6	50	18	6	4	90
28080520-3A	800	8	50	20	6	4	97
29022012-3A	900	2	200	12	5	4	87
29042018-3A	900	4	200	18	6	4	103
29061022-3A	900	6	100	22	8	4	115
29080524-3A	900	8	50	24	8	4	128
21022012-3A	1000	2	200	12	5	4	110
21041522-3A	1000	4	150	22	6	4	118
21060524-3A	1000	6	50	24	8	4	125

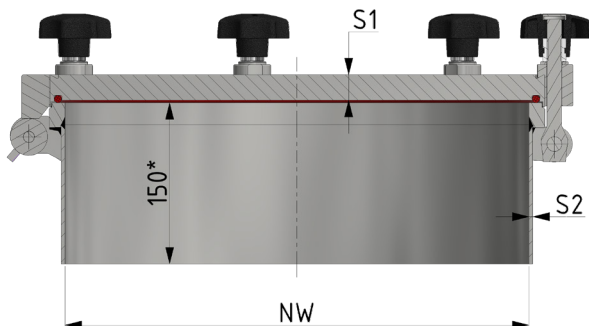
1.4 Round Pressure Cover with flat lid up to 8/-1 bar

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Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and handle (up to NW600, >NW600 need to be checked)
- ⊙ Neck length 150 mm (*up to NW150 – 100 mm)
- ⊙ Surface unpolished, glass-bead blasted; from NW600 unpolished, pickled
- ⊙ With EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, neck thickness up to 20 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Various connectors can be machined directly into the cover
- ⊙ Installation of nozzles (sightglasses, TC-Ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

1.4 Round Pressure Cover with flat lid up to 8/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
20201062004	100	6	200	4	22	5	9
20201562004	150	6	200	4	22	5	13
20202062004	200	6	200	4	22	4	17
20202542804	250	4	280	4	22	4	22
20202582504	250	8	250	4	22	4	22
20203042504	300	4	250	4	22	4	28
20203062506	300	6	250	6	22	4	30
20203082506	300	8	250	6	22	4	30
20203542004	350	4	200	4	22	4	35
20203562006	350	6	200	6	22	4	37
20204042804	400	4	280	4	22	4	42
20204060506	400	6	50	6	22	4	44
20204062808	400	6	280	8	22	4	46
20204082810	400	8	280	10	22	4	48
20204542806	450	4	280	6	22	4	52
20204562508	450	6	250	8	22	4	54
20204582010	450	8	200	10	22	4	56
20205032806	500	3	280	6	22	4	61
20205042808	500	4	280	8	22	4	63
20205062510	500	6	250	10	22	4	65
20205081512	500	8	150	12	22	4	67
20206022806	600	2	280	6	22	6	85
20206040508	600	4	50	8	22	6	87
20206042810	600	4	280	10	22	6	89
20206061512	600	6	150	12	22	6	91
20206080512	600	8	50	12	22	6	91
20207022808	700	2	280	8	22	6	116
20207042812	700	4	280	12	22	6	120
20207061516	700	6	150	16	22	6	124
20207080518	700	8	50	18	22	6	126
20208020508	800	2	50	8	22	8	152
20208022810	800	2	280	10	22	8	154
20208041514	800	4	150	14	22	8	158
20208060518	800	6	50	18	22	8	162
20208080520	800	8	50	20	22	8	164
20209022812	900	2	280	12	22	8	187
20209042018	900	4	200	18	22	8	193
20209061022	900	6	100	22	30	8	231
20209080524	900	8	50	24	30	8	233
20210022812	1000	2	280	12	22	8	221
20210042022	1000	4	200	22	30	8	274
20210060524	1000	6	50	24	30	8	276

1.5 1-bar Cover up to 1/-1 bar

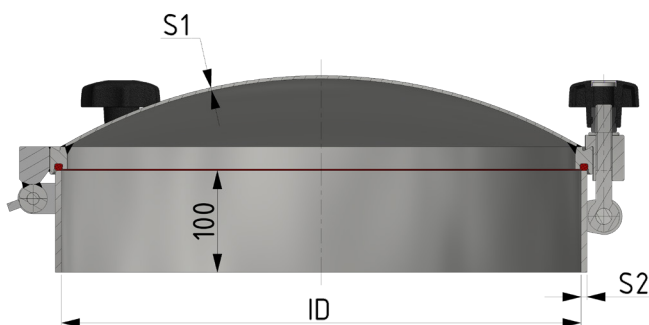


Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert (with EU-approval)
- ⊙ Plastic handles with brass insert and brass knurl-washer (without EU-approval)
- ⊙ Silicone-gasket
- ⊙ Hinge and handle
- ⊙ Neck length 100 mm
- ⊙ Surface unpolished, glass-bead blasted; from NW600 unpolished, pickled
- ⊙ With / without EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt (with EU-approval)

Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Side swiveling
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



1.5 1-bar Cover up to 1/-1 bar

With EU-approval

Article No.	NW	Neck inside diameter (ID) [mm]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
311 104T	100	111	4	6	6	7
315 104T	150	161	4	6	6	8.5
321 104T	200	211	4	4	6	10
325 104T	250	261	4	4	6	11
331 104T	300	311	4	4	6	13
335 104T	350	361	4	4	6	15.5
341 104T	400	411	4	4	6	18
345 104T	450	461	4	4	6	19.5
351 104T	500	511	4	4	6	21
361 104T	600	611	6	4	6	28
371 104T	700	707	6	4	8	37
381 104T	800	807	8	4	8	40
391 104T	900	907	8	4	8	70
301 104T	1000	1003	10	4	10	86

Without EU-approval

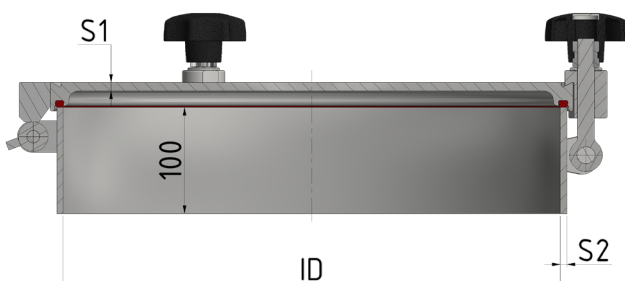
Article No.	NW	Neck inside diameter (ID) [mm]	Number of screws [M12]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
311 104	100	111	4	6	6	7
315 104	150	161	4	6	6	8.5
321 104	200	211	4	4	6	10
325 104	250	261	4	4	6	11
331 104	300	311	4	4	6	13
335 104	350	361	4	4	6	15.5
341 104	400	411	4	4	6	18
345 104	450	461	4	4	6	19.5
351 104	500	511	4	4	6	21
361 104	600	611	6	4	6	28
371 104	700	707	6	4	8	37
381 104	800	807	8	4	8	40
391 104	900	907	8	4	8	70
301 104	1000	1003	10	4	10	86

1.6 1-bar Cover with flat lid up to 1/-1 bar



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert (with EU-approval)
- ⊙ Plastic handles with brass insert and brass knurl-washer (without EU-approval)
- ⊙ Silicone-gasket
- ⊙ Hinge and handle
- ⊙ Neck length 100 mm
- ⊙ Surface unpolished, glass-bead blasted; from NW600 unpolished, pickled
- ⊙ With / without EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt (with EU-approval)



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassist (torsion- or toolspring)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

1.6 1-bar Cover with flat lid up to 1/-1 bar

With EU-approval

Article No.	NW	Neck inside diameter (ID) [mm]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
30210104T	100	111	4	4	6	9
30215104T	150	161	4	4	6	11
30220104T	200	211	4	4	6	12
30225104T	250	261	4	5	6	15
30230104T	300	311	4	6	6	17
30235104T	350	361	4	7	6	21
30240104T	400	411	4	7	6	24
30245104T	450	461	4	8	6	27
30250104T	500	511	4	9	6	33
30260104T	600	611	6	10	6	38

Without EU-approval

Article No.	NW	Neck inside diameter (ID) [mm]	Number of screws [M12]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
30210104	100	111	4	4	6	9
30215104	150	161	4	4	6	11
30220104	200	211	4	4	6	12
30225104	250	261	4	6	6	15
30230104	300	311	4	6	6	17
30235104	350	361	4	6	6	20
30240104	400	411	4	6	6	23
30245104	450	461	4	8	6	27
30250104	500	511	4	8	6	31
30260104	600	611	6	8	6	34

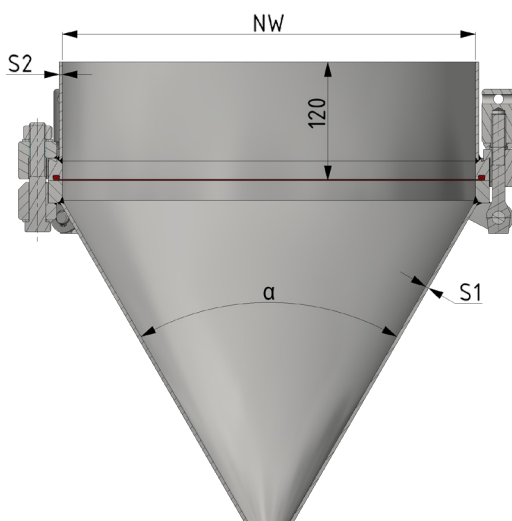
1.7 Pressure Cone-Cover up to 6/-1 bar

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EDELSTAHL-TECHNIK



Standard design

- Wetted material: 1.4571
- Attachment parts: 1.4301
- Stainless steel blind hole nuts
- Silicone-gasket
- Cone-type-swivel-hinge
- Neck length 120 mm
- Outlet diameter 50 mm
- Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- With EU-approval (Modul G)
acc. PED 2014/68/EU
- Design Code: AD 2000-Merkblatt



Options

- Wetted materials: 1.4404, 1.4435, 1.4539,
1.4529, 1.4462, 1.4429, HC-22, HC-276,
HC-2000, etc.
- Intermediate sizes
- Various opening angles
- Various outlet-diameters (min. 40 mm)
- Various gasket qualities
- Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- Neck length up to 2000 mm,
neck thickness up to 20 mm
- Various handles (nuts, etc.)
- Installation of various cuttlet nozzles
- Various limit- / proximity-switches
- Attachment parts in other materials
- Various Design Codes:
ASME VIII-1, EN13445, etc.
- Optional with ASME-approval
Sec. VIII-1, latest Edition (additional
surcharge, design-changes possible)

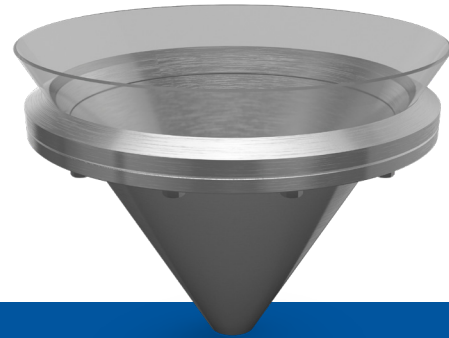


1.7 Pressure Cone-Cover up to 6/-1 bar

Article No.	NW / α	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Cone thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
230 060	300/60°	6	100	4	4	4	20
230 090	300/90°	6	100	4	4	4	20
240 060	400/60°	6	100	6	4	4	28
240 090	400/90°	6	100	6	4	4	28
245 060	450/60°	6	100	6	4	4	30
245 090	450/90°	6	100	6	4	4	30
250 060	500/60°	6	100	10	4	4	37
250 090	500/90°	6	100	10	4	4	37
260 060	600/60°	6	100	12	5	4	46
260 090	600/90°	6	100	12	5	4	46

1.8 Pressure Cone-Cover (completely conical) up to 6/-1 bar

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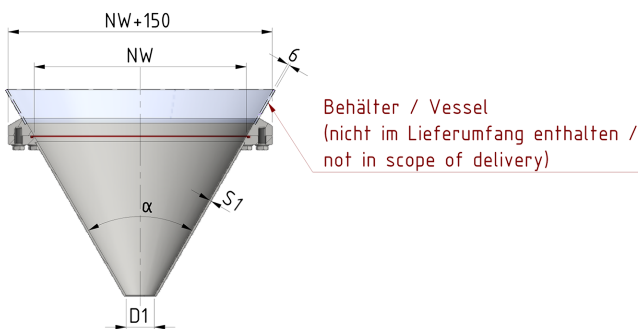


Standard design

- Wetted material: 1.4571
- Attachment parts: 1.4301
- Stainless steel hex bolts
- Silicone-gasket
- Cone-type-swivel-hinge
- Outlet diameter 65 mm
- Surface glass-bead blasted
- With EU-approval (Modul G)
acc. PED 2014/68/EU
- Design Code: AD 2000-Merkblatt

Options

- Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- Intermediate sizes
- Various opening angles
- Various outlet-diameters (min. 40 mm)
- Various gasket qualities
- Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- Installation of various cutted nozzles
- Various limit- / proximity-switches
- Attachment parts in other materials
- Various Design Codes:
ASME VIII-1, EN13445, etc.
- Optional with ASME-approval
Sec. VIII-1, latest Edition (additional
surcharge, design-changes possible)



1.8 Pressure Cone-Cover (completely conical) up to 6/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of bolts [M20]	Opening angle (α) [°]	Cone thickness (S) [mm]	Weight [kg]
205406008	400	6	150	8	60	4	66
205409008	400	6	150	8	90	4	65
205456008	450	6	150	8	60	4	72
205459008	450	6	150	8	90	4	70
205506010	500	6	150	10	60	5	79
205509010	500	6	150	10	90	5	77
205606012	600	6	150	12	60	5	96
205609012	600	6	150	12	90	5	93

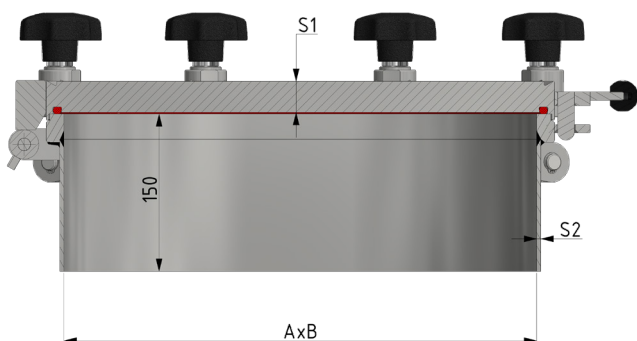
1.9 Oval Pressure Cover up to 10/-1 bar

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Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and locating knob
- ⊙ Neck length 150 mm
- ⊙ Surface unpolished, glass-bead blasted
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 300 mm, neck thickness up to 12 mm
- ⊙ Neck shaped to match tank-diameter
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Side swiveling
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassist (torsion- or toolspring)
- ⊙ Various connectors can be machined directly into the cover
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval
Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



1.9 Oval Pressure Cover up to 10/-1 bar

Article No.	A [mm]	B [mm]	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
2203042506	200	300	4	250	6	16	6	26
2203062506	200	300	6	250	6	19	6	28
2203002506	200	300	10	250	6	24	6	32
2253542506	250	350	4	250	6	16	6	31
2253562506	250	350	6	250	6	19	6	34
2253502508	250	350	10	250	8	24	6	39
2304042506	300	400	4	250	6	16	6	36
2304062506	300	400	6	250	8	19	6	42
2304002510	300	400	10	250	10	24	6	49
2354542506	350	450	4	250	6	24	6	55
2354562508	350	450	6	250	8	24	6	56
2354502512	350	450	10	250	14	25	6	59
2405042508	400	500	4	250	8	24	6	65
2405062510	400	500	6	250	10	24	6	67
2405002512	400	500	10	240	16	27	6	69

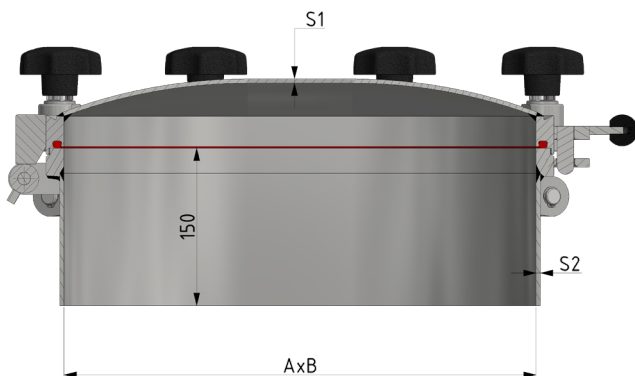
1.10 Oval Pressure Cover with dished head up to 10/-1 bar

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Standard design

- Wetted material: 1.4571
- Attachment parts: 1.4301
- Plastic handles with stainless steel insert
- Silicone-gasket
- Hinge and locating knob
- Neck length 150 mm
- Surface unpolished, glass-bead blasted
- With EU-approval (Modul G)
acc. PED 2014/68/EU
- Design Code: AD 2000-Merkblatt



Options

- Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- Intermediate sizes
- Various gasket qualities
- Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- Neck length up to 300 mm, neck thickness up to 12 mm
- Neck shaped to match tank-diameter
- Various handles (stainless steel handles, toggles, nuts, etc.)
- Side swiveling
- Wedge for side installation
- Locking pin in open position
- Springassist (torsion- or toolspring)
- Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- Various limit- / proximity-switches
- Safety-grill / safety-cross
- Attachment parts in other materials
- Various Design Codes:
ASME VIII-1, EN13445, etc.
- Optional with ASME-approval
Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



1.10 Oval Pressure Cover with dished head up to 10/-1 bar

Article No.	A [mm]	B [mm]	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
203203042506	200	300	4	250	6	5	6	17.5
203203062506	200	300	6	250	6	6	6	18
2032030102506	200	300	10	250	6	8	6	19.5
2032535042506	250	350	4	250	6	5	6	20
2032535062506	250	350	6	250	6	6	6	21
2032535102508	250	350	10	250	8	8	6	25
2033040042506	300	400	4	250	6	5	6	23
2033040062508	300	400	6	250	8	6	6	26
2033040102510	300	400	10	250	10	8	6	29.5
2033545042506	350	450	4	250	6	5	6	28
2033545062508	350	450	6	250	8	6	6	31
2033545102514	350	450	10	250	14	6	6	38.5
2034050042508	400	500	4	250	8	5	6	33.5
2034050062510	400	500	6	250	10	6	6	37
2034050102416	400	500	10	240	16	8	6	47
2035060042510	500	600	4	250	10	5	6	45
2035060062514	500	600	6	250	14	5	6	49
2035060082518	500	600	8	250	18	5	6	55

1.11 Automatic Pressure Cover up to 8/-1 bar

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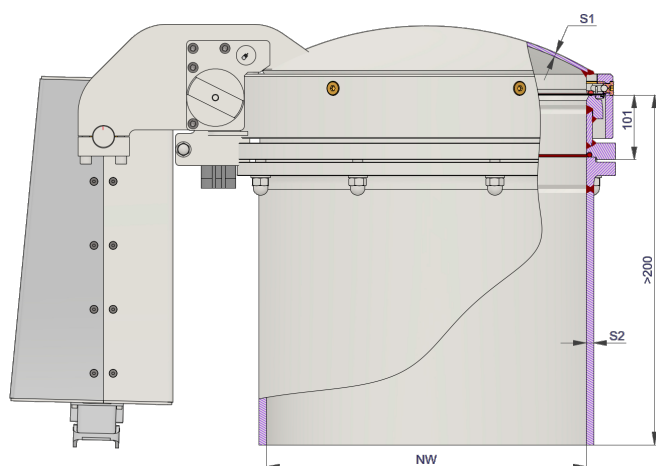


Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Pneumatic-cylinder (locking),
Electric motor (opening / closing)
- ⊙ Silicone-gasket
- ⊙ Neck length 200 mm
- ⊙ Surface unpolished, glass-bead blasted
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt

Options

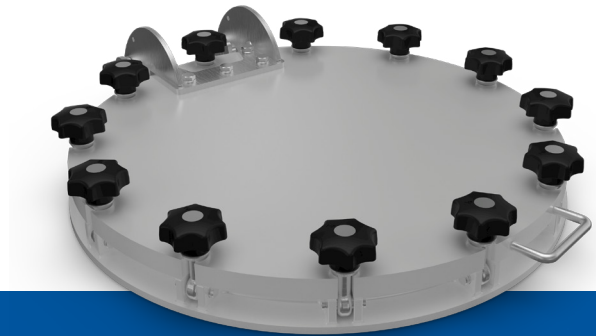
- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539,
1.4529, 1.4462, 1.4429, HC-22, HC-276,
HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm,
neck thickness up to 20 mm
- ⊙ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Installation of nozzles (sightglasses,
TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials



1.11 Automatic Pressure Cover up to 8/-1 bar

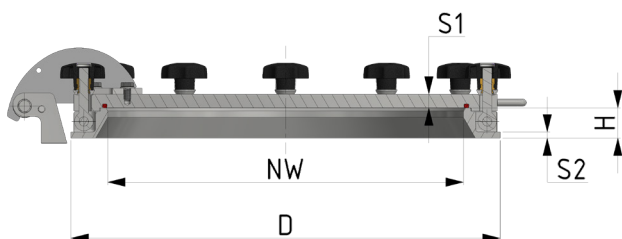
Article No.	NW	MAWP [bar]	Max. temperature [°C]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
24042000-A	400	4	200	4	6	85
24062000-A	400	6	200	6	6	87
24082000-A	400	8	200	8	6	89
24102000-A	400	10	200	10	6	92
25042000-A	500	4	200	4	6	112
25062000-A	500	6	200	6	6	116
25082000-A	500	8	200	8	6	119
26042000-A	600	4	200	4	6	132
26062000-A	600	6	200	6	6	137
26082000-A	600	8	200	8	6	142

1.12 Flat cover with welding flange and swing bolts up to 6/-1 bar



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handles with stainless steel insert and brass knurl-washer
- ⊙ Silicone-gasket
- ⊙ Hinge and handle
- ⊙ Flange height $H = 49 \text{ mm}$, weld collar thickness $S2 = 8 \text{ mm}$
- ⊙ Surface unpolished, machined $Ra < 1,6 \mu\text{m}$
- ⊙ With EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

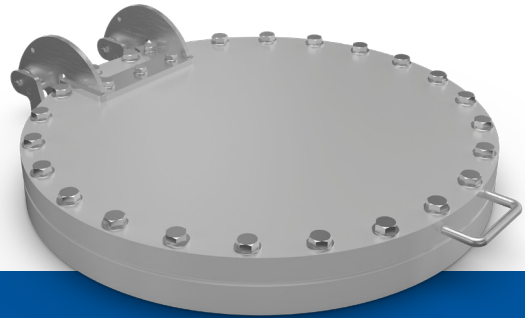
- ⊙ Wetted material: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes (after consultation)
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu\text{m}$)
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc
- ⊙ Optional with ASME-approval VIII-1, latest Edition (additional surcharge, design-changes possible)



1.12 Flat cover with welding flange and swing bolts up to 6/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Outside diameter (D) [mm]	Lid thickness (S1) [mm]	Weight [kg]
20402062004	200	6	200	4	325	24	27
20402562004	250	6	200	4	375	24	34
20403042004	300	4	200	4	425	24	42
20403062006	300	6	200	6	425	24	43
20403542004	350	4	200	4	475	24	50
20403562006	350	6	200	6	475	24	51
20404042004	400	4	200	4	525	24	60
20404062008	400	6	200	8	525	24	62
20404542006	450	4	200	6	575	24	71
20404562008	450	6	200	8	575	24	72
20405042008	500	4	200	8	625	24	83
20405062010	500	6	200	10	625	24	84
20406042010	600	4	200	10	725	24	108
20406062012	600	6	200	12	725	24	109

1.13 Block flange manhole with hexagonal bolts up to 6/-1 bar

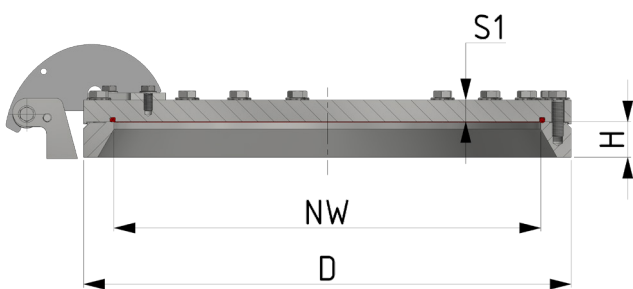


Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel hex bolts
- ⊙ Silicone-gasket
- ⊙ Hinge and handle
- ⊙ Flange height $H = 49 \text{ mm}$
- ⊙ Surface unpolished, machined $Ra < 1,6 \mu\text{m}$
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt

Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes (after consultation)
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu\text{m}$)
- ⊙ Locking pin in open position
- ⊙ Springassist (torsion- or toolspring)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval
Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



1.13 Block flange manhole with hexagonal bolts up to 6/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of bolts [M16]	Outside diameter (D) [mm]	Lid thickness (S1) [mm]	Weight [kg]
20502062006	200	6	200	6	292	16	19
20502562006	250	6	200	6	342	16	24
20503062008	300	6	200	8	392	20	33
20503562008	350	6	200	8	442	20	40
20504062012	400	6	200	12	492	20	48
20504562016	450	6	200	16	542	24	56
20505062020	500	6	200	20	592	24	74
20506042024	600	4	200	24	692	24	88
20506062024	600	6	200	24	692	28	98

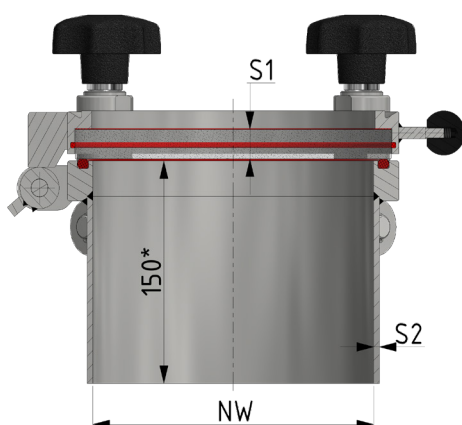


2. Glass-Covers

2.1 Glass-Cover up to 12/-1 bar

Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Borosilicate glass-pane DIN7080
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and plastic knob
- ⊙ Neck length 150 mm
(*up to NW150 – 100 mm)
- ⊙ Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options



- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, neck thickness up to 20 mm
- ⊙ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (TC-ferrules (DIN32676), HZ-Connect, etc.) in the shell section
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Wiper and / or luminaires
- ⊙ Logo (glass bead blasted on the glass-pane) according to customer template (glass-pane thickness and operating pressure need to be adjusted, need to be checked for specific application)
- ⊙ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

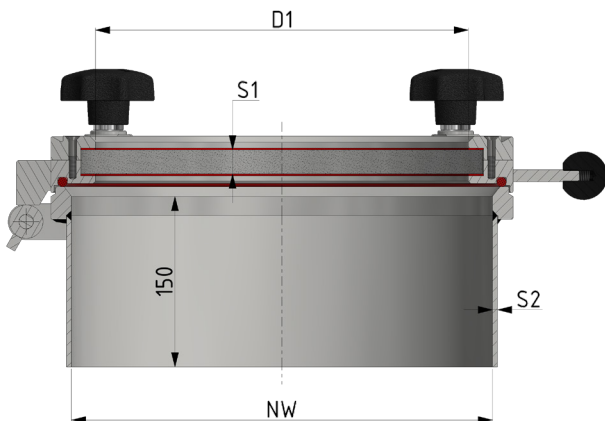
2.1 Glass-Cover up to 12/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Size of glass-pane (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
221 012	100	12	280	4	Ø 125 x 20	5	14
221 500	150	4	280	4	Ø 175 x 20	5	15
221 510	150	10	280	4	Ø 175 x 25	5	17
222 000	200	4	280	4	Ø 225 x 20	4	18
222 010	200	8	280	4	Ø 225 x 25	4	19
222 500	250	4	280	4	Ø 275 x 25	4	25
222 508	250	8	280	4	Ø 275 x 30	4	26
223 000	300	4	280	4	Ø 325 x 25	4	29
223 006	300	6	280	6	Ø 325 x 30	4	30
223 500	350	4	280	4	Ø 375 x 30	4	34
224 000	400	3	280	4	Ø 425 x 30	4	39
224 500	450	2.5	280	6	Ø 475 x 30	4	43
225 000	500	2	280	6	Ø 525 x 30	4	48
226 000	600	1	280	6	Ø 625 x 30	4	61

2.2 Glass-Cover with clamped soda-lime glass-pane up to 10/-1 bar

Standard design

- ⊗ Wetted material: 1.4571
- ⊗ Attachment parts: 1.4301
- ⊗ Soda-lime glass-pane DIN8902
- ⊗ Plastic handles with stainless steel insert
- ⊗ Silicone-gasket (O-ring)
Silicone / Klingsil C-4430 seal
(flat seal in contact with medium / atmospheric)
- ⊗ Hinge and plastic knob
- ⊗ Neck length 150 mm
- ⊗ Surface unpolished, glass-beaded blasted;
from NW600 unpolished, pickled
- ⊗ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊗ Design Code: AD 2000-Merkblatt



Options



- ⊗ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊗ Borosilicate glass-pane DIN7080
- ⊗ Intermediate sizes
- ⊗ Various gasket qualities
- ⊗ O-Ring gasket sealing at glass-pane (inside)
- ⊗ Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊗ Neck length up to 2000 mm, neck thickness up to 20 mm
- ⊗ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊗ Neck shaped to match tank-diameter
- ⊗ Side swiveling
- ⊗ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊗ Wedge for side installation
- ⊗ Locking pin in open position
- ⊗ Springassists (torsion- or toolspring)
- ⊗ Installation of nozzles (TC-ferrules (DIN32676), HZ-Connect, etc.) in the shell section
- ⊗ Various limit- / proximity-switches
- ⊗ Safety-grill / safety-cross
- ⊗ Attachment parts in other materials
- ⊗ Wiper and / or luminaires
- ⊗ Logo (glass bead blasted on the glass-pane) according to customer template (glass-pane thickness and operating pressure need to be adjusted, need to be checked for specific application)
- ⊗ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊗ Optional (partial) with ASME-approval
Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

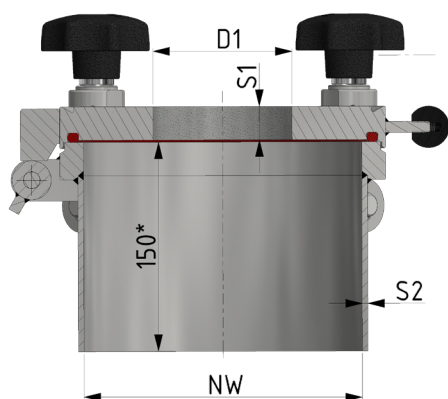
2.2 Glass-Cover with clamped soda-lime glass-pane up to 10/-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Size of glass-pane (S1) [mm]	Neck thickness (S2) [mm]	Viewing (D1) [mm]	Weight [kg]
3520011504	200	1	150	4	Ø183x10	4	Ø160	17.5
3520041504	200	4	150	4	Ø183x15	4	Ø160	18
3520061504	200	6	150	4	Ø183x20	4	Ø160	18
3520101504	200	10	150	4	Ø183x25	4	Ø160	18.5
3525011504	250	1	150	4	Ø233x10	4	Ø210	19.5
3525021504	250	2	150	4	Ø233x15	4	Ø210	20
3525041504	250	4	150	4	Ø233x20	4	Ø210	20.5
3525061504	250	6	150	4	Ø233x25	4	Ø210	21
3530011504	300	1	150	4	Ø283x15	4	Ø260	23.5
3530031504	300	3	150	4	Ø283x20	4	Ø260	24
3530051504	300	5	150	4	Ø283x25	4	Ø260	25
3535011504	350	1	150	4	Ø333x15	4	Ø310	26
3535021504	350	2	150	4	Ø333x20	4	Ø310	27
3535351504	350	3.5	150	4	Ø333x25	4	Ø310	28
3540011504	400	1	150	4	Ø383x15	4	Ø360	30
3540251504	400	2.5	150	4	Ø383x25	4	Ø360	33
3545011504	450	1	150	6	Ø433x20	4	Ø410	34
3545021504	450	2	150	6	Ø433x25	4	Ø410	36
3550011506	500	1	150	6	Ø483x20	4	Ø460	39
3560011506	600	0.8	150	6	Ø583x25	4	Ø560	50

2.3 Glass-Cover with Metaglass-pane up to 12/-1 bar

Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Metaglas®-pane: 1.4462 / Borosilicate glass DIN7080
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and plastic knob
- ⊙ Neck length 150 mm
(*up to NW150 – 100 mm)
- ⊙ Surface unpolished, glass-bead blasted
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Metaglas®-pane from 2.4602
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities of the shell section (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, neck thickness up to 20 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (TC-ferrules (DIN32676), HZ-Connect, etc.) in the shell section
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Wiper and / or luminaires
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



2.3 Glass-Cover with Metaglass-pane up to 12/-1 bar

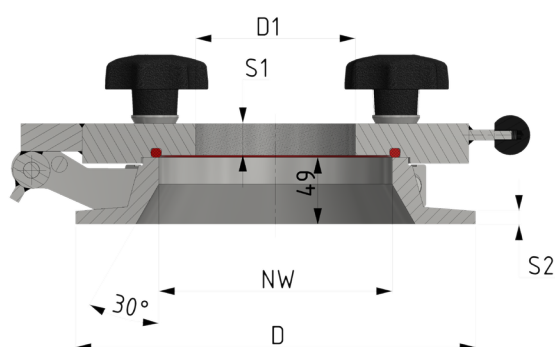
Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Thickness of glass- pane (S1) [mm]	Neck thickness (S2) [mm]	Viewing (D1) [mm]	Weight [kg]
221 000 META	100	4	280	4	24	5	Ø60	14
221 012 META	100	12	280	4	24	6	Ø60	15
221 500 META	150	4	280	4	24	5	Ø75	15
221 504 META	150	10	280	4	24	6	Ø75	16
222 000 META	200	4	280	4	24	4	Ø100	19
222 010 META	200	10	280	4	24	6	Ø100	21
222 500 META	250	4	280	4	24	4	Ø125	26
222 508 META	250	8	280	4	24	6	Ø125	28
223 000 META	300	4	280	4	24	4	Ø150	30
223 006 META	300	6	280	6	24	6	Ø150	32

2.4. Meta-Flange-Sightglass up to 10/-1 bar



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Metaglas®: 1.4462 / Borosilicate glass DIN7080
- ⊙ Plastic handles with stainless steel insert and brass knurl-washer
- ⊙ Silicone-gasket
- ⊙ Hinge and plastic knob
- ⊙ Flange height 49 mm
- ⊙ Surface unpolished
- ⊙ With EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Metaglas® from 2.4602
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities of the flange (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Locking pin in open position
- ⊙ Springassists (torsionspring)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Wiper and / or luminaires
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



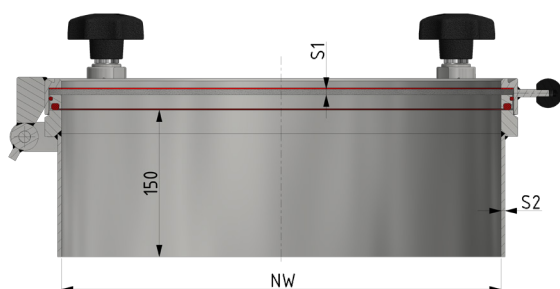
2.4 Meta-Flange-Sightglass up to 10/-1 bar

Article No.	NW	MAWP [bar]	Max. tem- perature [°C]	Number of screws [M16]	Thick- ness of glass- pane (S1) [mm]	Thickness of weldend (S2) [mm]	Outside dia- meter (D) [mm]	Viewing (D1) [mm]	Weight [kg]
221 000 FLANSCH	100	10	280	4	24	8	Ø225	Ø80	15
221 250 FLANSCH	125	10	280	4	24	8	Ø250	Ø100	16
221 500 FLANSCH	150	10	280	4	24	8	Ø275	Ø110	17
221 750 FLANSCH	175	10	280	4	24	8	Ø300	Ø120	19
222 000 FLANSCH	200	10	280	6	24	8	Ø325	Ø130	21
222 250 FLANSCH	225	10	280	8	24	8	Ø350	Ø140	24



Standard design

- ⊙ Wetted materials: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Soda-lime glass-pane DIN8902
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket
- ⊙ Hinge and plastic knob
- ⊙ Neck length 150 mm
- ⊙ Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Borosilicate glass-pane DIN7080
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, neck thickness up to 20 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (TC-ferrules (DIN32676), HZ-Connect, etc.) in the shell section
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Wiper and / or luminaires
- ⊙ Logo (glass bead blasted on the glass-pane) according to customer template (need to be checked for specific application)



2.5 Pressureless Glass-Cover

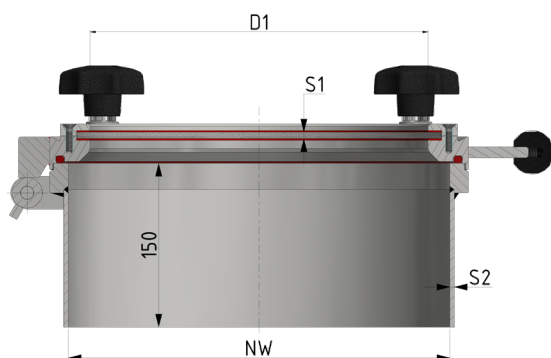
Article No.	NW	Number of screws [M16]	Thickness of glass-pane (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
332 004	200	4	6	4	13
332 504	250	4	6	4	15
333 004	300	4	6	4	17
333 504	350	4	6	4	19
334 004	400	4	6	4	21
334 504	450	4	6	4	23
335 004	500	4	6	4	27
336 004	600	4	6	4	31

2.6 Pressureless Glass-Cover with clamped soda-lime glass-pane



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Soda-lime glass-pane DIN8902
- ⊙ Plastic handles with stainless steel insert
- ⊙ Silicone-gasket (O-ring)
Silicone / Klingersil C-4430 seal
(flat seal in contact with medium /
atmospheric)
- ⊙ Hinge and plastic knob
- ⊙ Neck length 150mm
- ⊙ Surface unpolished, glass-beaded blasted;
from NW600 unpolished, pickled



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539,
1.4529, 1.4462, 1.4429, HC-22, HC-276,
HC-2000, etc.
- ⊙ Borosilicate glass-pane DIN7080
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ O-ring gasket sealing at glass-pane (inside)
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished
up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm,
neck thickness up to 20 mm
- ⊙ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Side swiveling
- ⊙ Various handles (stainless steel handles,
toggles, nuts, etc.)
- ⊙ Wedge for side installation
- ⊙ Locking pin in open position
- ⊙ Springassists (torsion- or toolspring)
- ⊙ Installation of nozzles (TC-ferrules
(DIN32676), HZ-Connect, etc.) in the shell
section
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Wiper and / or luminaires
- ⊙ Logo (glass bead blasted on the glass-pane)
according to customer template (need to be
checked for specific application)

2.6 Pressureless Glass-Cover with clamped soda-lime glass-pane

Article No.	NW	Max. temperature [°C]	Number of screws [M16]	Size of glass-pane (S1) [mm]	Neck thickness (S2) [mm]	Viewing (D1) [mm]	Weight [kg]
342004	200	150	4	Ø 183x6	4	Ø 160	17
342504	250	150	4	Ø 233x6	4	Ø 210	19
343004	300	150	4	Ø 283x6	4	Ø 260	22
343504	350	150	4	Ø 333x6	4	Ø 310	24
344004	400	150	4	Ø 383x6	4	Ø 360	27
344504	450	150	4	Ø 433x6	4	Ø 410	30
345006	500	150	6	Ø 483x6	4	Ø 460	33
346006	600	150	6	Ø 583x6	4	Ø 560	38



3. Oval Covers (opens to the inside)

3.1 inspection Opening 340x440



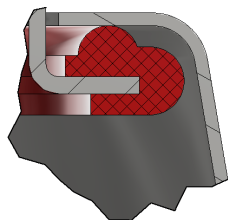
Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel toggle with brass insert (M22)
- ⊙ Natural rubber-gasket (dark red)
- ⊙ Surface unpolished, pickled
- ⊙ EU-type examination: see chart
- ⊙ Design Code: AD 2000-Merkblatt (with EU-type examination)

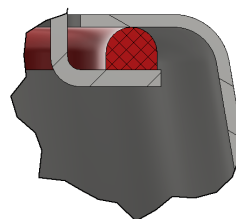
Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4462
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,4 \mu m$)
- ⊙ Neck length up to 150 mm, neck thickness up to 6 mm
- ⊙ Neck shaped to match tank-diameter
- ⊙ Swivel feature
- ⊙ Various limit- / proximity-switches
- ⊙ Various Design Codes: ASME VIII-1
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

loose seal



vulcanized seal



3.1 Inspection Opening 340x440

With EU-type examination

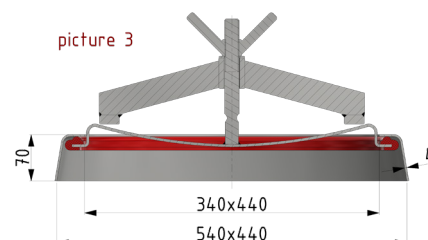
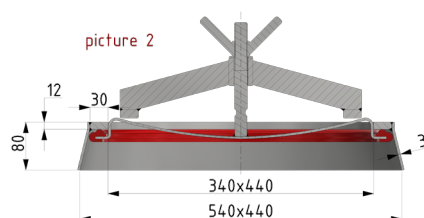
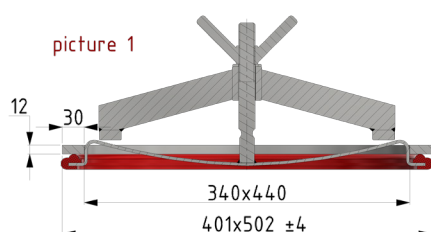
Inspection Opening (4mm thick): 3 bar / 250°C, 4 bar / 150°C, 5 bar / 50°C, PT = 7,5 bar at 20°C

Inspection Opening (6mm thick): 6 bar / 150°C, 8 bar / 50°C, PT = 11,4 bar at 20°C

Article No.	Description	Weight [kg]
101406	Inspection opening (4 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1) (for max. 5 bar / 50°C)	12.1
101606	Inspection opening (6 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1) (for max. 8 bar / 50°C)	14.9
101406K	Inspection opening (4 mm thick), with neck (3x80 mm), without swivel feature (picture 2) (for max. 5 bar / 50°C)	15.4
101606K	Inspection opening (6 mm thick), with neck (5x80 mm), without swivel feature (picture 2) (for max. 8 bar / 50°C)	19.5
101409	Inspection opening (4 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4) (for max. 5 bar / 50°C)	13.4
101609	Inspection opening (6 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4) (for max. 8 bar / 50°C)	15.6
101409K	Inspection opening (4 mm thick), with neck (3x80 mm), with swivel feature (picture 2+4) (for max. 5 bar / 50°C)	16.6
101609K	Inspection opening (6 mm thick), with neck (5x80 mm), with swivel feature (picture 2+4) (for max. 8 bar / 50°C)	20.2

Without EU-type examination

Article No.	Description	Weight [kg]
100306	Inspection opening (3 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1)	11
100306K	Inspection opening (3 mm thick), with neck (3x80 mm), without swivel feature (picture 2)	14.2
100306P	Inspection opening (3 mm thick), with pressed neck (4x70 mm), without swivel feature (picture 3)	12
100309	Inspection opening (3 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4)	12.3
100309K	Inspection opening (3 mm thick), with neck (3x80 mm), with swivel feature (picture 2+4)	15.4
100309P	Inspection opening (3 mm thick), with pressed neck (4x70 mm), with swivel feature (picture 3+4)	12.7



3.1 Inspection Opening 340x440

Components

Article No.	Description	Weight [kg]
101300	Inspection opening 340x440 mm with bolt, 3 mm thick	4.5
101400	Inspection opening 340x440 mm with bolt, 4 mm thick	5.5
101600	Inspection opening 340x440 mm with bolt, 6 mm thick	7.5
103022	Toggle with brass insert (M22)	0.7
104340	Shackle 340x440 mm	1.5
106012	Welding ring 30x12 mm	3.6
112312	Welding neck (ring 30x12 mm) 80 mm long, 3 mm thick	3.8
112412	Welding neck (ring 30x12 mm) 80 mm long, 4 mm thick	4.7
112512	Welding neck (ring 30x12 mm) 80 mm long, 5 mm thick	5.7
113407	Pressed neck 70 mm long, 4 mm thick	3.2
107	Swivel feature	1.2
226490	threaded bolt M22x170 mm with groove	0.5

Gaskets

Article No.	Type of gasket	Certificate	Temperature [°C]
102000	Natural rubber-gasket, food quality (dark red)	1, 2	70/-50
1020si	Silicone-gasket, food quality (light red)	1, 2	210/-60
1020ep	EPDM-gasket, food quality (purple)	1, 2	125/-50
1020pe	Perbunan (NBR)-gasket, food quality (red)	1, 2	100/-30
1020vi	Viton-gasket, food quality (brown)	1	240/-17

Gasket certificates:

1: FDA (21CFR 177.2600)

2: EG 1935 / 2004

3.2 Inspection Opening 410x510

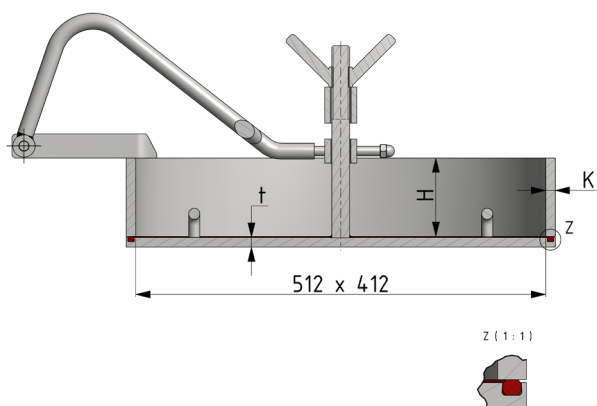


Standard design

- ⊙ Wetted Material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel toggle with brass insert (M22)
- ⊙ Silicone-gasket
- ⊙ Two handles
- ⊙ Neck length: see chart, neck thickness: $K=12\text{ mm}$
- ⊙ Surface unpolished, glass-bead blasted
- ⊙ EU-type examination: see chart
- ⊙ Design Code: AD 2000-Merkblatt (with EU-type examination)

Options

- ⊙ Wetted Materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,4\text{ }\mu\text{m}$)
- ⊙ Neck length up to 250 mm, neck thickness up to 20 mm
- ⊙ Swivel feature
- ⊙ Various limit- / proximity-switches
- ⊙ Attachment parts in other materials



3.2 Inspection Opening 410x510

With EU-type examination

Article No.	MAWP [bar] at 150°C	Neck length (H) [mm]	Description	Weight [kg]
1022069	2	60	Inspection opening (t=12 mm thick), with welding neck, without swivel feature	27.5
1022109	2	100	Inspection opening (t=12 mm thick), with welding neck, without swivel feature	33.3
1024069	4	60	Inspection opening (t=15 mm thick), with welding neck, without swivel feature	30.9
1024109	4	100	Inspection opening (t=15 mm thick), with welding neck, without swivel feature	36.7
1026069	6	60	Inspection opening (t=20 mm thick), with welding neck, without swivel feature	36.6
1026109	6	100	Inspection opening (t=20 mm thick), with welding neck, without swivel feature	42.4

Without EU-type examination

Article No.	Neck length (H) [mm]	Description	Weight [kg]
1020069	60	Inspection opening (t=10 mm thick), with welding neck, without swivel feature	25.1
1020109	100	Inspection opening (t=10 mm thick), with welding neck, without swivel feature	31

Swivel feature

Article No.	Description	Weight [kg]
108	Swivel feature right side	1.8
109	Swivel feature left side	1.8

3.3 Handhole-Cover 190x240

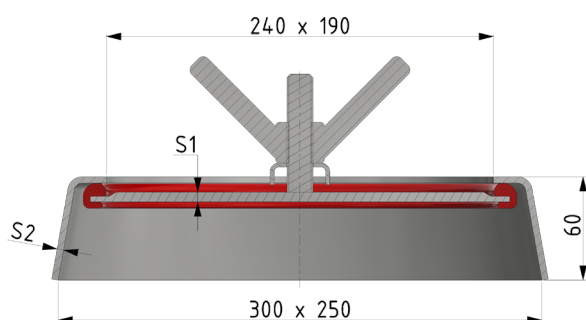


Standard design

- Wetted material: 1.4571
- Attachment parts: 1.4301
- Stainless steel toggle (M16)
- Silicone-gasket
- Neck length 60 mm
- Surface ungrinded, electropolished
- EU-type examination: see chart
- Design Code: AD 2000-Merkblatt
(with EU-type examination)

Options

- Wetted material: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- Various gasket qualities
- Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,4 \mu m$)



3.3 Handhole-Cover 190x240

With EU-type examination (3 bar / 100°C)

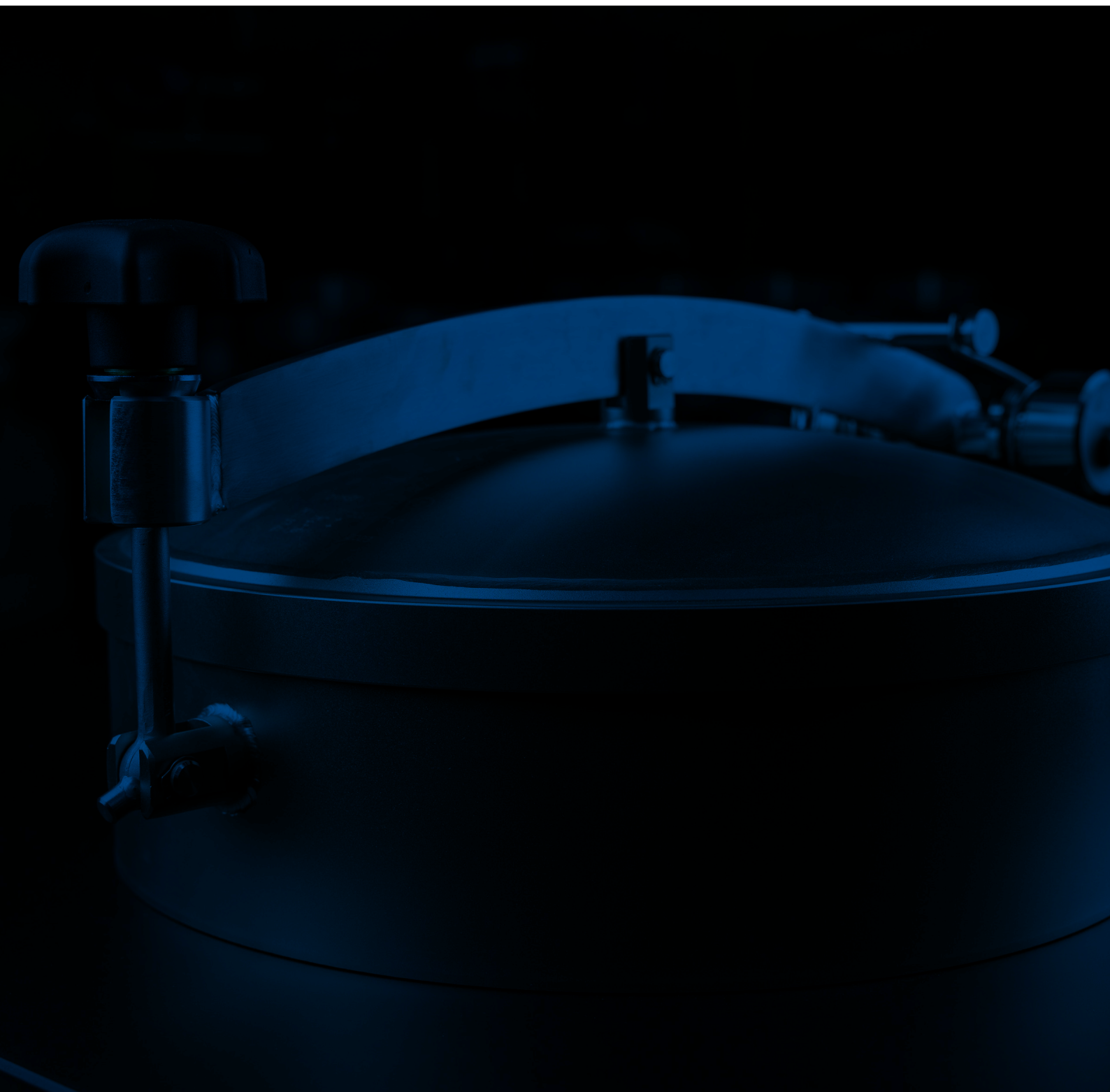
Article No.	Description	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
110 306T	Handhole-Cover	6	4	5

Without EU-type examination

Article No.	Description	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
110 306	Handhole-Cover	3	4	4

Spare parts

Article No.	Description	Weight [kg]
110 306B	Handhole shackle	0.4
110 306D	Cover for handhole-cover 3 mm with welded thread bolt	1
110 306TD	Cover for handhole-cover 6 mm with welded thread bolt	2
110 306TK	Handhole neck 4x60 mm	2



4. Pressureless Covers

4.1 Pressureless Dome-Cover with crossarm and Profile-Gasket

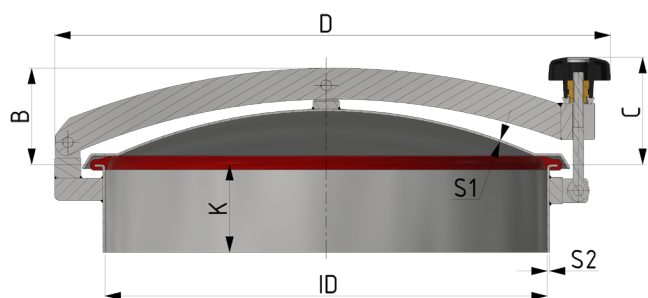


Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handle with brass insert and brass knurl-washer (M12)
- ⊙ Silicone-gasket
- ⊙ Foldable
- ⊙ Cover surface brushed sheet metal, neck electropolished; up from NW 600 or neck length > 200 mm neck unpolished, pickled

Options

- ⊙ Wetted materials: 1.4404, 1.4462, 1.4539, 1.4435, etc.
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,8 \mu m$)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Swing- and foldable
- ⊙ Various handles (stainless steel handle, toggle, nut, etc.)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross



4.1 Pressureless Dome-Cover with crossarm and Profile-Gasket

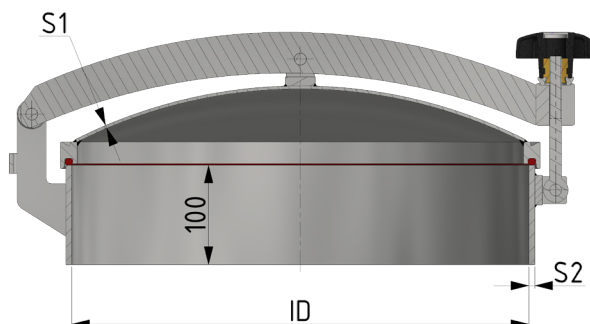
Article No.	NW	Neck height (K) [mm]	ID [mm]	B [mm]	C [mm]	D [mm]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
310 600	100	60	100	60	110	230	2	2	2.4
311 000	100	100	100	60	110	230	2	2	2.6
315 600	150	60	150	65	110	280	2	2	2.6
315 000	150	100	150	65	110	280	2	2	2.8
320 600	200	60	200	70	110	335	2	2	3.3
321 000	200	100	200	70	110	335	2	2	3.5
325 600	250	60	250	75	110	385	2	2	4.3
325 000	250	100	250	75	110	385	2	2	4.5
330 600	300	60	298	85	120	440	2	2.5	5.5
331 000	300	100	298	85	120	440	2	2.5	6
341 000	400	100	415	100	120	550	2	2.5	10
341 500	400	150	415	100	120	550	2	2.5	11
342 000	400	200	415	100	120	550	2	2.5	12.5
346 000	460	100	460	115	120	595	2	2.5	11
346 500	460	150	460	115	120	595	2	2.5	12.5
346 200	460	200	460	115	120	595	2	2.5	14
351 000	500	100	505	125	120	650	2	2.5	11.7
351 500	500	150	505	125	120	650	2	2.5	13.7
352 000	500	200	505	125	120	650	2	2.5	15.6
361 000	600	100	600	140	120	740	2	2.5	16
361 500	600	150	600	140	120	740	2	2.5	18.5
362 000	600	200	600	140	120	740	2	2.5	21
381 000	800	100	810	140	135	950	2.5	3	31
381 500	800	150	810	140	135	950	2.5	3	34
382 000	800	200	810	140	135	950	2.5	3	38

4.2 Pressureless Dome-Cover with crossarm and O-Ring-Gasket



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Plastic handle with brass insert and brass knurl-washer (M12)
- ⊙ Silicone-gasket
- ⊙ Foldable
- ⊙ Surface unpolished, glass-bead blasted



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, HC-22, HC-276, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Various handles (stainless steel handle, toggle, nut, etc.)
- ⊙ Swing- and foldable
- ⊙ Locking pin in open position
- ⊙ Springassist (torsionspring)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials



4.2 Pressureless Dome-Cover with crossarm and O-Ring-Gasket

Article No.	NW	ID [mm]	Lid thickness (S1) [mm]	Neck thickness (S2) [mm]	Weight [kg]
311 104-ZB	100	111	4	6	7
315 104-ZB	150	161	4	6	8.5
321 104-ZB	200	211	4	6	10
325 104-ZB	250	261	4	6	11
331 104-ZB	300	311	4	6	13
335 104-ZB	350	361	4	6	15.5
341 104-ZB	400	411	4	6	18
345 104-ZB	450	461	4	6	19.5
351 104-ZB	500	511	4	6	21
361 104-ZB	600	611	4	6	28



5. Aseptic-Line Covers

5.1 Aseptic-Line Cover up to 6 /-1 bar

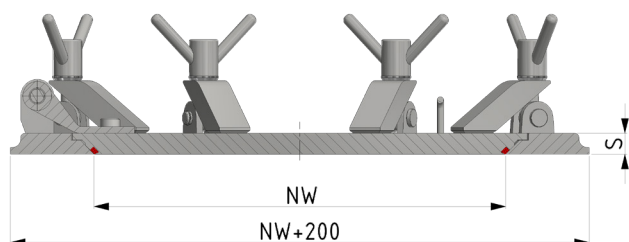


Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel toggles with knurl-washer
- ⊙ Silicone-gasket
- ⊙ Hinge (zero backlash) and handle
- ⊙ Surface machined (unpolished), pickled
- ⊙ Welding collar acc. customer requirements (standard h = 6 mm)
- ⊙ With / without EU-approval (Modul G) acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt (with EU-approval)

Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, HC-22, HC-276, etc.
- ⊙ Intermediate sizes
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (polished up to $Ra < 0,2 \mu m$)
- ⊙ Flange and lid adapted to tank radius
- ⊙ Various handles (stainless steel handles, toggles, nuts, etc.)
- ⊙ Locking pin in open position
- ⊙ Springassist (gasspring)
- ⊙ Installation of various aseptic nozzles
- ⊙ Various limit- / proximity-switches
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes: ASME VIII-1, EN13445, etc.
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

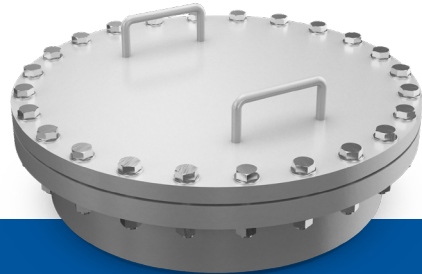


5.1 Aseptic-Line Cover up to 6 /-1 bar

Article No.	NW	MAWP [bar]	Max. temperature [°C]	Number of screws [M16]	Lid thickness (S) [mm]	Weight [kg]
22062004-ASL	200	6 /-1	200	4	25	28
22562006-ASL	250	6 /-1	200	6	25	37
23062006-ASL	300	6 /-1	200	6	25	46
23542004-ASL	350	4 /-1	200	4	25	48
23562006-ASL	350	6 /-1	200	6	25	50
24042004-ASL	400	4 /-1	200	4	25	64
24062006-ASL	400	6 /-1	200	6	25	68
24542006-ASL	450	4 /-1	200	6	25	78
24562008-ASL	450	6 /-1	200	8	25	82
25022006-ASL	500	2 /-1	200	6	25	73
25042008-ASL	500	4 /-1	200	8	25	92
25062010-ASL	500	6 /-1	200	10	28	96
26002008-ASL	600	0,49 /-1	200	6	25	92
26022008-ASL	600	2 /-1	200	8	28	96
26042010-ASL	600	4 /-1	200	10	28	120
26062012-ASL	600	6 /-1	200	12	30	144

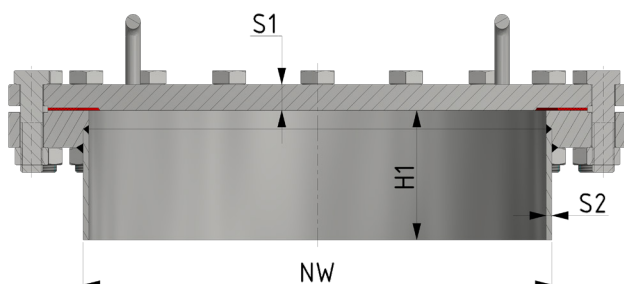


6. DIN Covers



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel hex bolts
- ⊙ Klingersil C-4430-gasket
- ⊙ Flat gasket surface (shape MH)
- ⊙ Without hinge, with two handles on the lid
- ⊙ Neck length H1 = 200 mm
- ⊙ Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Intermediate sizes
- ⊙ Various shapes of gasket surface
- ⊙ Various gasket qualities
- ⊙ Various surface qualities
(glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, thickness up to 20 mm
- ⊙ Conical design of the neck
(up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Swivel feature acc. DIN28124-4
(horizontal or vertical)
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials
- ⊙ Various Design Codes:
ASME VIII-1, EN13445, etc.
- ⊙ Optional with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)



6.1 DIN Cover acc. DIN28124 Part 2

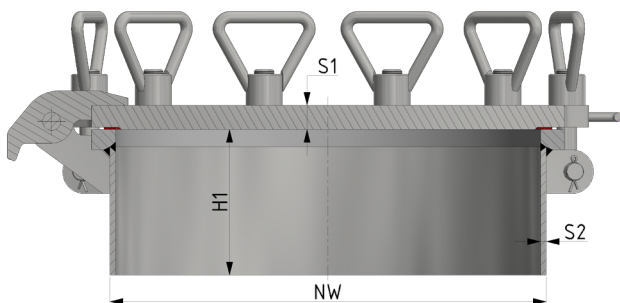
Article No.	NW	Inside dia- meter [mm]	MAWP [bar] at					Num- ber of bolts	Lid thick- ness (S1) [mm]	Neck thick- ness (S2) [mm]	Weight [kg]
			50 / -10 °C	120 / -10 °C	200 / -10 °C	250 / -10 °C	300 / -10 °C				
221012412	200	Ø188	10	9	8	7	6	12x M16	15	6	27
221612412	200	Ø184	16	14	13	11	10	12x M16	20	8	33
222512412	200	Ø184	25	22	20	17	15	12x M16	25	8	35
231012416	300	Ø288	10	9	8	7	6	16x M20	15	6	47
231612416	300	Ø284	16	14	13	11	10	16x M20	20	8	56
232512416	300	Ø284	25	22	20	17	15	16x M20	25	8	61
241012420	400	Ø388	10	9	8	7	6	20x M20	25	6	87
241612420	400	Ø384	16	14	13	11	10	20x M24	30	8	104
242512420	400	Ø380	25	22	20	17	15	20x M27	35	10	154
251012420	500	Ø488	10	9	8	7	6	20x M20	25	6	149
251612420	500	Ø484	16	14	13	11	10	20x M24	30	8	146
252512420	500	Ø480	25	22	20	17	15	20x M27	35	10	187
261012424	600	Ø588	10	9	8	7	6	24x M20	30	6	158
261612424	600	Ø584	16	14	13	11	10	24x M24	35	8	209
262512424	600	Ø580	25	22	20	17	15	24x M30	40	10	293
281012432	800	Ø784	10	9	8	7	6	36x M24	40	8	356
281612436	800	Ø784	16	14	13	11	10	36x M30	50	8	459
282512436	800	Ø780	25	22	20	17	15	36x M36	60	10	564

Article No.	Description
100 28124-4H	Davit arm DIN28124-4 horizontal (up to NW600)
100 28124-4V	Davit arm DIN28124-4 vertical (up to NW600)
200 28124-4H	Davit arm DIN28124-4 horizontal (from NW600)
200 28124-4V	Davit arm DIN28124-4 vertical (from NW600)



Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel triangle nuts
- ⊙ Klingersil C-4430-gasket
- ⊙ Flat gasket surface (shape VEC)
- ⊙ Hinge and handle
- ⊙ Neck length H1 = 200 mm
- ⊙ Surface unpolished, glass-bead blasted;
from NW600 unpolished, pickled
- ⊙ With EU-approval (Modul G)
acc. PED 2014/68/EU
- ⊙ Design Code: AD 2000-Merkblatt



Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ With dished cover (shape VGC or VGN) instead of flat lid
- ⊙ Various gasket surfaces (shape VEC, VEN, VGC, VGN)
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to $Ra < 0,2 \mu m$)
- ⊙ Neck length up to 2000 mm, thickness up to 20 mm
- ⊙ Conical design of the neck (up to max. 8 mm neck thickness)
- ⊙ Neck shaped to match tank-diameter
- ⊙ Springassist related to DIN28125
- ⊙ Installation of nozzles (sightglasses, TC-ferrules (DIN32676), HZ-Connect, etc.)
- ⊙ Various limit- / proximity-switches
- ⊙ Safety-grill / safety-cross
- ⊙ Attachment parts in other materials



6.2 DIN Cover acc. DIN28125 Part 1

Article No.	NW	Inside dia- meter [mm]	MAWP [bar] at					Number of screws	Lid thick- ness (S1) [mm]	Neck thick- ness (S2) [mm]	Weight [kg]
			50 / -10 °C	120 / -10 °C	200 / -10 °C	250 / -10 °C	300 / -10 °C				
2151254VEC	150	Ø 140	8	7	6	5	4	4x M20	20	5	26
2151254VEN	150	Ø 140	10	9	8	7	6	4x M20	20	5	26
2201254VEC	200	Ø 190	8	7	6	5	4	4x M24	20	5	35
2201254VEN	200	Ø 190	10	9	8	7	6	4x M24	20	5	35
2251254VEC	250	Ø 238	8	7	6	5	4	4x M24	25	6	48
2251254VEN	250	Ø 238	10	9	8	7	6	4x M24	25	6	48
2301256VEC	300	Ø 284	8	7	6	5	4	6x M24	25	8	65
2301256VEN	300	Ø 284	10	9	8	7	6	6x M24	25	8	65
2401256VEC	400	Ø 384	8	7	6	5	4	6x M27	25	8	100
2401256VEN	400	Ø 384	10	9	8	7	6	6x M27	25	8	100
25012510VEC	500	Ø 484	8	7	6	5	4	10x M27	30	8	152
25012510VEN	500	Ø 484	10	9	8	7	6	10x M27	30	8	152
26012512VEC	600	Ø 584	8	7	6	5	4	12x M27	30	8	178
26012512VEN	600	Ø 584	10	9	8	7	6	12x M27	30	8	178



7. Sightglasses, Fittings, Flanges

7.1 Bolted type sightglass acc. DIN28120

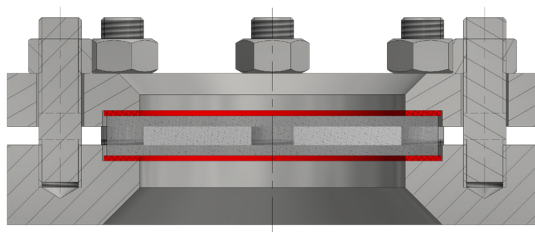


Standard design

- ⊙ Materials: 1.4571 (welding flange), 1.4541 (cover flange)
- ⊙ Stud bolts (A4-70) and nuts (A4)
- ⊙ Klingersil C-4430-gasket
- ⊙ Borosilicate glass-pane DIN7080

Options

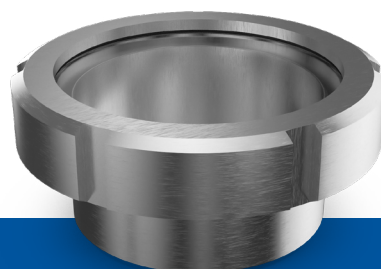
- ⊙ Materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Various glass materials
- ⊙ Various gasket qualities
- ⊙ Various shapes of gasket surface



7.1 Bolted type sightglass acc. DIN28120

Article No.	NW	MAWP [bar]	Weight [kg]	Glass-pane [mm]
20050	50	16	5.5	Ø 100 x 15
20080	80	10	6	Ø 125 x 15
20100	100	10	11	Ø 150 x 20
20125	125	10	14	Ø 175 x 20
20150	150	10	21	Ø 200 x 20
20200	200	6	32	Ø 250 x 25
20210	200	10	33	Ø 250 x 30

Description	NW50 Article No.	NW80 Article No.	NW100 Article No.	NW125 Article No.	NW150 Article No.	NW200 Article No.
Welding flange (loose)	200503	200803	201003	201253	227512	202003
Welding flange (centri- cally welded)	200503	200803	201003	201253	227512	202003
Cover flange	222115	200805	201005	201255	201505	202005
Borosilicate glass-pane DIN7080	150000	150001	150002	150003	220432	150005/150006
Klingersil C-4430-gasket	200502kli	200802kli	201002kli	201252kli	201502kli	202002kli
PTFE-gasket	200502tef	200802tef	201002tef	201252tef	201502tef	202002tef

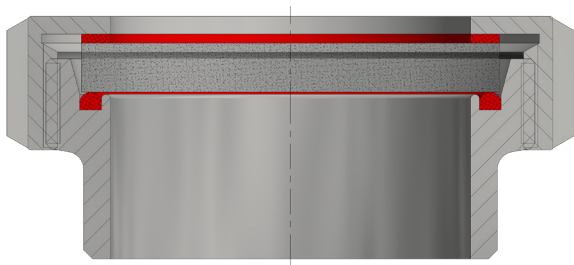


Standard design

- ⊙ Material: 1.4571 (threaded nozzle), 1.4301 (cap nut)
- ⊙ Perbunan- / PTFE-gasket (wetted / atmospheric)
- ⊙ Borosilicate glass-pane DIN7080
- ⊙ Pressure rating 6bar

Options

- ⊙ Materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Various glass materials
- ⊙ Various gasket qualities
- ⊙ Conical design

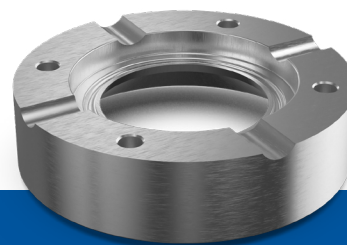


Article No.	NW	Weight [kg]	Glass-pane [mm]
21025	25	0.4	Ø 38 x 9
21040	40	0.6	Ø 50 x 10
21050	50	0.8	Ø 63 x 10
21065	65	1.3	Ø 80 x 12
21080	80	1.8	Ø 94 x 12
21100	100	2.5	Ø 113 x 15
21125	125	3.2	Ø 142 x 15
21150	150	3.8	Ø 166 x 15

Description	NW25 Article No.	NW40 Article No.	NW50 Article No.	NW65 Article No.
Threaded nozzle (loose)	2025	2040	2050	2065
Threaded nozzle (centrically welded)	2025	2040	2050	2065
Cap nut	222340	222341	221929	221930
Borosilcate glass-pane DIN7080	150007	150008	150009	150010
PTFE-gasket (atmospheric)	210252te	210402te	210502te	210652te
Perbunan-gasket (wetted)	210253pe	210403pe	210503pe	210653pe
PTFE-gasket (wetted)	210253te	210403te	210503te	210653te

Description	NW80 Article No.	NW100 Article No.	NW125 Article No.	NW150 Article No.
Threaded nozzle (loose)	2080	2100	2125	2150
Threaded nozzle (centrically welded)	2080	2100	2125	2150
Cap nut	221931	221932	222342	222343
Borosilcate glass-pane DIN7080	150011	150012	150013	150014
PTFE-gasket (atmospheric)	210802te	211002te	211252te	211502te
Perbunan-gasket (wetted)	210803pe	211003pe	211523pe	11503pe
PTFE-gasket (wetted)	210803te	211003te	211253te	211503te

7.3 HZ-Connect nozzle (DIN, ASTM, ISO)

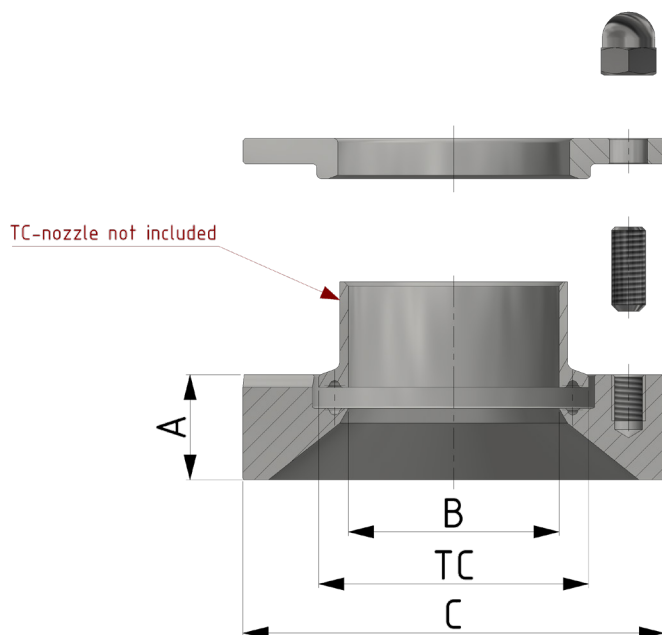


Standard design

- ⊙ Materials: 1.4404 (welding flange), 1.4301 (half moon clamps)
- ⊙ Studs (A2-50) and nuts (A2)
- ⊙ Without gasket, without TC-nozzle
- ⊙ surface machined $R_a < 1,2 \mu\text{m}$

Options

- ⊙ Materials: 1.4404, 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Studs (A4-70) and / or nuts (A4)



7.3 HZ-Connect nozzle (DIN, ASTM, ISO)

HZ-Connect nozzle DIN11850 Form A

Article No.	NW	Height (A) [mm]	Diameter (B) [mm]	TC [mm]	Diameter (C) [mm]	Studs and nuts	Weight [kg]
2201025	10	25	Ø 10	34	Ø 70	4 pieces M8 x 25	0.8
2201525	15	25	Ø 16	34	Ø 70	4 pieces M8 x 25	0.8
2202025	20	25	Ø 20	34	Ø 70	4 pieces M8 x 25	0.8
2202525	25	25	Ø 26	50.5	Ø 85	4 pieces M8 x 25	1.1
2203225	32	25	Ø 32	50.5	Ø 85	4 pieces M8 x 25	1.1
2204025	40	25	Ø 38	50.5	Ø 85	4 pieces M8 x 25	1.1
2205025	50	25	Ø 50	64	Ø 100	4 pieces M8 x 25	1.5
2206525	65	25	Ø 66	91	Ø 131	4 pieces M8 x 25	2.7
2208025	80	25	Ø 81	106	Ø 146	6 pieces M8 x 30	3.3
22010025	100	25	Ø 100	119	Ø 170	6 pieces M8 x 30	4.5

Spare parts / Single parts

Description	DN10	DN15	DN20	DN25	DN32	DN40	DN 50	DN65	DN80	DN100
half moon clamps (pair), studs and nuts										

7.3 HZ-Connect nozzle (DIN, ASTM, ISO)

HZ-Connect nozzle ASTM A270

Article No.	NW	Height (A) [mm]	Diameter (B) [mm]	TC [mm]	Diameter (C) [mm]	Studs and nuts	Weight [kg]
2403825	3/8"	25	Ø 7.75	25	Ø 55	4 pieces M6 x 20	0.6
2401225	1/2"	25	Ø 9.4	25	Ø 55	4 pieces M6 x 20	0.6
2403425	3/4"	25	Ø 15.75	25	Ø 55	4 pieces M6 x 20	0.6
240125	1"	25	Ø 22.1	50.5	Ø 85	4 pieces M8 x 25	1.1
24011225	1 1/2"	25	Ø 34.8	50.5	Ø 85	4 pieces M8 x 25	1.1
240225	2"	25	Ø 47.5	64	Ø 100	4 pieces M8 x 25	1.5
24021225	2 1/2"	25	Ø 60.2	77.5	Ø 112	4 pieces M8 x 30	2
240325	3"	25	Ø 72.9	91	Ø 131	6 pieces M8 x 30	2.7
240425	4"	25	Ø 97.4	119	Ø 170	6 pieces M8 x 35	4.5

Spare parts / Single parts

Description	DN3/8"	DN1/2"	DN3/4"	DN1"	DN1 1/2"	DN2"	DN2 1/2"	DN3"	DN4"
Half moon clamps (pair), studs and nuts									

7.3 HZ-Connect nozzle (DIN, ASTM, ISO)

HZ-Connect nozzle ISO1127 Serie 1

Article No.	NW	Height (A) [mm]	Diameter (B) [mm]	TC [mm]	Diameter (C) [mm]	Studs and nuts	Weight [kg]
23013525	13.5	25	Ø 10.3	25	Ø 55	4 pieces M6 x 20	0.6
23017225	17.2	25	Ø 14.0	25	Ø 70	4 pieces M8 x 25	0.8
23021325	21.3	25	Ø 18.1	50.5	Ø 70	4 pieces M8 x 25	0.8
23026925	26.9	25	Ø 23.7	50.5	Ø 85	4 pieces M8 x 25	1.1
23033725	33.7	25	Ø 29.7	50.5	Ø 85	4 pieces M8 x 25	1.1
23042425	42.4	25	Ø 38.4	64	Ø 100	4 pieces M8 x 25	1.5
23048325	48.3	25	Ø 44.3	64	Ø 100	4 pieces M8 x 30	1.5
23060325	60.3	25	Ø 56.3	77.5	Ø 112	4 pieces M8 x 30	2
23076125	76.1	25	Ø 72.1	91	Ø 131	6 pieces M8 x 30	2.7
23088925	88.9	25	Ø 84.3	106	Ø 146	6 pieces M8 x 30	3.3
230114325	114.3	25	Ø 109.7	130	Ø 170	8 pieces M8 x 30	4.5

Spare parts / Single parts

Description	DN13.5	DN17.2	DN21.3	DN26.9	DN33.7	DN42.4	DN48.3	DN60.3	DN76.1	DN88.9	DN114.3
half moon clamps (pair), studs and nuts											



8. Equipment

8.1 Tank feet

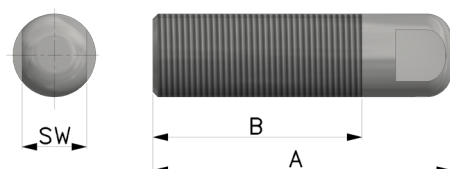
Standard design

Material: 1.4301



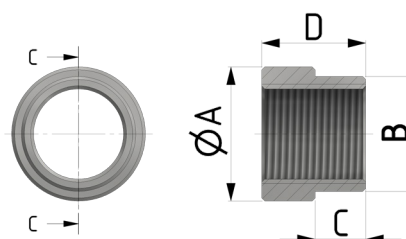
Threaded spindle

Article No.	Size	Total length (A) [mm]	Thread length (B) [mm]	Width across flats [sw]	Loading capacity [t]	Weight [kg]
210000	1/2"	100	70	19	2.3	0.2
210003	3/4"	100	70	22	3.9	0.4
210006	1"	120	84	26	6.5	0.7
210011	1 1/4"	150	112	36	10.5	1.5
210016	1 1/2"	150	112	40	14	1.9



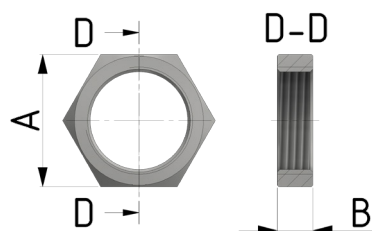
Collar socket

Article No.	Size	Diameter (A) [mm]	Diameter (B) [mm]	Height (C) [mm]	Height (D) [mm]	Weight [kg]
210020	1/2"	Ø35	Ø29	13	27	0.1
210021	3/4"	Ø40	Ø32	14	30	0.2
210022	1"	Ø45	Ø38.5	17	35	0.2
210023	1 1/4"	Ø56	Ø48.5	19	40	0.3
210024	1 1/2"	Ø63	Ø53.5	24	50	0.4



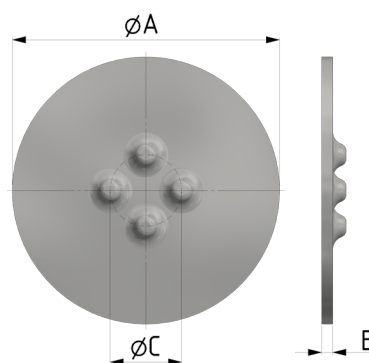
Lock nut

Article No.	Size	Width across flats (A) [mm]	Height (B) [mm]	Weight [kg]
210025	1/2"	32	8	0.1
210026	3/4"	36	9	0.1
210027	1"	41	11	0.2
210028	1 1/4"	55	12	0.2
210029	1 1/2"	60	15	0.2



Base plate with dimples

Article No.	Size	Diameter (A) [mm]	Thickness (B) [mm]	Distance between dimples (C) [mm]	Weight [kg]
210030	1"	Ø 120	3	32	0.3
210031	1"	Ø 120	5	32	0.4
210032	1 1/2"	Ø 160	8	50	1.2





Standard design

- ⊙ Material: 1.4404
- ⊙ Welded supports (30 x 12 x 8 mm)
- ⊙ Surface unpolished, pickled



Options

- ⊙ Material: 1.4435, 1.4539, 1.4529, 1.4462, 1.4429, HC-22, HC-276, HC-2000, etc.
- ⊙ Mesh sizes (laser-cut from plate)
- ⊙ Bolted version
- ⊙ Secured with a chain
- ⊙ Partially foldable
- ⊙ Various limit- / proximity-switches

Safety-grill for Pressureless Dome-Cover with crossarm and Profile-Gasket

Article No.	NW	Mesh size [mm]	Neck thickness [mm]	Inside diameter neck [mm]	Quantity welded supports	Weight [kg]
230405	150	20 x 20	2	Ø 150	none, bead	1.5
230575	200	20 x 20	2	Ø 200	none, bead	2
230576	250	20 x 20	2	Ø 250	none, bead	2.5
230577	300	20 x 20	2.5	Ø 298	none, bead	2.8
230578	400	20 x 20	2.5	Ø 415	none, bead	3
230579	430	20 x 20	2.5	Ø 430	none, bead	3.5
230580	460	20 x 20	2.5	Ø 460	none, bead	4.5
230581	500	20 x 20	2.5	Ø 505	none, bead	5
230582	600	20 x 20	2.5	Ø 600	none, bead	6
230583	700	20 x 20	2.5	Ø 700	none, bead	8
230584	800	20 x 20	3	Ø 810	none, bead	10

Safety-grill for 1-bar Cover

Article No.	NW	Mesh size [mm]	Neck thickness [mm]	Inside diameter neck [mm]	Quantity welded supports 230409	Weight [kg]
231179	150	20x20	6	Ø161	4	1.5
231180	150	20x20	8	Ø157	4	1.5
230559	200	20x20	6	Ø211	4	2
230560	200	20x20	8	Ø207	4	2
230561	250	20x20	6	Ø261	4	2.5
230562	250	20x20	8	Ø257	4	2.5
230563	300	20x20	6	Ø311	4	2.8
230564	300	20x20	8	Ø307	4	2.8
231181	350	20x20	6	Ø361	4	3
231182	350	20x20	8	Ø357	4	3
228267	400	20x20	6	Ø411	4	3.5
230565	400	20x20	8	Ø407	4	3.5
230566	450	20x20	6	Ø461	6	4.5
230567	450	20x20	8	Ø457	6	4.5
230568	500	20x20	6	Ø511	6	5
230412	500	20x20	8	Ø507	6	5
230569	600	20x20	6	Ø611	6	6
230570	600	20x20	8	Ø607	6	6
230571	700	20x20	8	Ø707	8	8
230572	800	20x20	8	Ø807	8	10
230573	800	20x20	10	Ø803	8	10
231183	900	20x20	8	Ø907	8	11
231184	900	20x20	10	Ø903	8	11
231185	1000	20x20	10	Ø1003	10	12

Safety-grill for Round Pressure Cover

Article No.	NW	Mesh size [mm]	Neck thickness [mm]	Inside diameter neck [mm]	Quantity welded supports 230409	Weight [kg]
230551	150	20x20	4	Ø 150	4	1.5
230552	200	20x20	4	Ø 200	4	2
230553	250	20x20	4	Ø 250	4	2.5
230554	300	20x20	4	Ø 300	4	2.8
230526	400	20x20	4	Ø 400	4	3.5
230555	450	20x20	4	Ø 450	6	4.5
230556	500	20x20	4	Ø 500	6	5
230527	600	20x20	4	Ø 600	6	6
230557	700	20x20	4	Ø 700	8	8
230558	800	20x20	4	Ø 800	8	10
231187	900	20x20	4	Ø 900	8	11
231186	1000	20x20	4	Ø 1000	10	12



Standard design

- ⊙ Material: 1.4404
- ⊙ Four brackets as support
- ⊙ Surface unpolished, pickled

Options

- ⊙ Material: 1.4435, 1.4539, 1.4529, 1.4462, HC-22, HC-276, etc.
- ⊙ Bolted version
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished)

Safety-cross for Pressureless Dome-Cover with crossarm and Profile-Gasket

Article No.	NW	Neck thickness [mm]	Inside diameter neck [mm]	Diameter cross bar [mm]	Weight [kg]
227242	200	2	Ø 200	Ø 16	0.8
233351	250	2	Ø 250	Ø 16	0.95
227257	300	2.5	Ø 298	Ø 16	1.1
227254	400	2.5	Ø 415	Ø 16	1.5
227251	460	2.5	Ø 460	Ø 16	1.65
227230	500	2.5	Ø 505	Ø 16	1.8
227206	600	2.5	Ø 600	Ø 16	2.1
227261	800	3	Ø 810	Ø 16	2.75

Safety-cross for 1-bar Cover

Article No.	NW	Neck thickness [mm]	Inside diameter neck [mm]	Diameter cross bar [mm]	Weight [kg]
227273	200	6	Ø 211	Ø 16	0.8
227288	200	8	Ø 207	Ø 16	0.8
227270	300	6	Ø 311	Ø 16	1.1
227285	300	8	Ø 307	Ø 16	1.1
227267	400	6	Ø 411	Ø 16	1.5
227222	400	8	Ø 407	Ø 16	1.5
227264	450	6	Ø 461	Ø 16	1.6
227279	450	8	Ø 457	Ø 16	1.6
227219	500	6	Ø 511	Ø 16	1.8
227224	500	8	Ø 507	Ø 16	1.8
227211	600	6	Ø 611	Ø 16	2.1
227218	600	8	Ø 607	Ø 16	2.1
227276	700	6	Ø 711	Ø 16	2.5
2272911	700	8	Ø 707	Ø 16	2.5
233353	800	6	Ø 811	Ø 16	2.8
227295	800	8	Ø 807	Ø 16	2.8

Safety-cross for Round Pressure Cover

Article No.	NW	Neck thickness [mm]	Inside diameter neck [mm]	Diameter cross bar [mm]	Weight [kg]
227242	200	4	Ø 200	Ø 16	0.8
233351	250	4	Ø 250	Ø 16	0.95
227239	300	4	Ø 300	Ø 16	1.1
227234	400	4	Ø 400	Ø 16	1.5
227233	450	4	Ø 450	Ø 16	1.6
227227	500	4	Ø 500	Ø 16	1.8
227206	600	4	Ø 600	Ø 16	2.1
227245	700	4	Ø 700	Ø 16	2.4
227248	800	4	Ø 800	Ø 16	2.75



Plastic star handles

Article No.	Size	Description
200003	M16	Star handle M16 Thermoplast/1.4301/1.4307
200016	M12	Star handle M12 Thermoplast/1.4301/1.4307 knurl-washer
200011	M16	Star handle M16 Thermoplast/1.4301/1.4307 knurl-washer
200007	M16	Star handle M16 L=108mm Thermoplast/1.4301/1.4307 wrench size SW21
200012	M16	Star handle M16 L=108mm Thermoplast/1.4301/1.4307 knurl-washer
200005	M16	Star handle M16 Thermoplast/1.4301/1.4307 hex-head SK21
200000		Grey cap (Thermoplast)

Stainless steel star handles

Article No.	Size	Description
200025	M12	Star handle M12 1.4301/1.4307 wrench size SW21
200017	M16	Star handle M16 1.4301/1.4307 wrench size SW21
200026	M12	Star handle M12 1.4404 wrench size SW21
200018	M16	Star handle M16 1.4404 wrench size SW21
200027	M12	Star handle M12 2.4360 (Monel)/1.4301/1.4307 wrench size SW21
200019	M16	Star handle M16 2.4360 (Monel)/1.4301/1.4307 wrench size SW21
200028	M12	Star handle M12 2.4360(Monel)/1.4404 wrench size SW21
200020	M16	Star handle M16 2.4360 (Monel)/1.4404 wrench size SW21
200040	M12	Star handle M12 L=105mm 1.4301/1.4307 wrench size SW21
200033	M16	Star handle M16 L=105mm 1.4301/1.4307 wrench size SW21
200041	M12	Star handle M12 L=105mm 1.4404 wrench size SW21
200034	M16	Star handle M16 L=105mm 1.4404 wrench size SW21
200029	M12	Star handle M12 1.4301/1.4307 solid material approx. Ø80 wrench size SW21
200021	M16	Star handle M16 1.4301/1.4307 solid material approx. Ø80 wrench size SW21
200030	M12	Star handle M12 1.4404 solid material approx. Ø80 wrench size SW21
200022	M16	Star handle M16 1.4404 solid material approx. Ø80 wrench size SW21
200031	M12	Star handle M12 1.4301/1.4307 solid material approx. Ø60 wrench size SW21
200023	M16	Star handle M16 1.4301/1.4307 solid material approx. Ø60 wrench size SW21
200032	M12	Star handle M12 1.4404 solid material approx. Ø60 wrench size SW21
200024	M16	Star handle M16 1.4404 solid material approx. Ø60 wrench size SW21
200073	M12	Star handle M12 1.4301/1.4307 SW21 closed
200069	M16	Star handle M16 1.4301/1.4307 SW21 closed

200074	M12	Star handle M12 1.4404 SW21 closed
200070	M16	Star handle M16 1.4404 SW21 closed
200075	M12	Star handle M12 2.4360 (Monel)/1.4301/1.4307 SW21 closed
200071	M16	Star handle M16 2.4360 (Monel)/1.4301/1.4307 SW21 closed
200076	M12	Star handle M12 2.4360 (Monel)/1.4404 SW21 closed
200072	M16	Star handle M16 2.4360 (Monel)/1.4404 SW21 closed
200035	M16	Star handle M16 L=105mm 2.4360 (Monel)/1.4301/1.4307 wrench size SW21
200036	M16	Star handle M16 L=105mm 2.4360 (Monel)/1.4404 wrench size SW21
200077	M16	Star handle M16 1.4301/1.4307 wrench size SW21 3A-SS
200078	M16	Star handle M16 1.4404 wrench size SW21 3A-SS
223612	M16	Star handle M16 1.4301/1.4307 lockable
226287	M16	Star handle M16 1.4301/1.4307 knurl-washer
226407	M12	Star handle M12 1.4301/1.4307 knurl-washer
226409	M16	Star handle M16 1.4404 knurl-washer
229289	M16	Star handle M16 1.4301/1.4307 two-part

Collar nuts

Article No.	Size	Description
200584	M12	Collar nut M12 through thread 1.4301/1.4307
200581	M16	Collar nut M16 through thread 1.4301/1.4307
200585	M12	Collar nut M12 through thread 1.4404
200582	M16	Collar nut M16 through thread 1.4404
200586	M12	Collar nut M12 through thread 2.4360 (Monel)
200583	M16	Collar nut M16 through thread 2.4360 (Monel)
200596	M12	Collar nut M12 blind hole thread 1.4301/1.4307
200593	M16	Collar nut M16 blind hole thread 1.4301/1.4307
200597	M12	Collar nut M12 blind hole thread 1.4404
200594	M16	Collar nut M16 blind hole thread 1.4404
200598	M12	Collar nut M12 blind hole thread 2.4360 (Monel)
200595	M16	Collar nut M16 blind hole thread 2.4360 (Monel)
200602	M12	Collar nut M12 through thread 1.4301/1.4307 knurl-washer
200599	M16	Collar nut M16 through thread 1.4301/1.4307 knurl-washer
200603	M12	Collar nut M12 through thread 1.4404 knurl-washer
200600	M16	Collar nut M16 through thread 1.4404 knurl-washer
200604	M12	Collar nut M12 through thread 2.4360 (Monel) knurl-washer
200601	M16	Collar nut M16 through thread 2.4360 (Monel) knurl-washer
200614	M12	Collar nut M12 blind hole thread 1.4301/1.4307 knurl-washer
200611	M16	Collar nut M16 blind hole thread 1.4301/1.4307 knurl-washer
200615	M12	Collar nut M12 blind hole thread 1.4404 knurl-washer
200612	M16	Collar nut M16 blind hole thread 1.4404 knurl-washer
200616	M12	Collar nut M12 blind hole thread 2.4360 (Monel) knurl-washer
200613	M16	Collar nut M16 blind hole thread 2.4360 (Monel) knurl-washer

Double toggles

Article No.	Size	Description
200629	M12	Double toggle M12 through thread 1.4301/1.4307
200626	M16	Double toggle M16 through thread 1.4301/1.4307
200630	M12	Double toggle M12 through thread 1.4404
200627	M16	Double toggle M16 through thread 1.4404
200631	M12	Double toggle M12 through thread 2.4360 (Monel)
200628	M16	Double toggle M16 through thread 2.4360 (Monel)
200638	M12	Double toggle M12 blind hole thread 1.4301/1.4307
200635	M16	Double toggle M16 blind hole thread 1.4301/1.4307
200639	M12	Double toggle M12 blind hole thread 1.4404
200636	M16	Double toggle M16 blind hole thread 1.4404
200640	M12	Double toggle M12 blind hole thread 2.4360 (Monel)
200637	M16	Double toggle M16 blind hole thread 2.4360 (Monel)
200647	M12	Double toggle M12 through thread 1.4301/1.4307 knurl-washer
200644	M16	Double toggle M16 through thread 1.4301/1.4307 knurl-washer
200648	M12	Double toggle M12 through thread 1.4404 knurl-washer
200645	M16	Double toggle M16 through thread 1.4404 knurl-washer
200649	M12	Double toggle M12 through thread 2.4360 (Monel) knurl-washer
200646	M16	Double toggle M16 through thread 2.4360 (Monel) knurl-washer
200653	M12	Double toggle M12 blind hole thread 1.4301/1.4307 knurl-washer
200650	M16	Double toggle M16 blind hole thread 1.4301/1.4307 knurl-washer
200654	M12	Double toggle M12 blind hole thread 1.4404 knurl-washer
200651	M16	Double toggle M16 blind hole thread 1.4404 knurl-washer
200655	M12	Double toggle M12 blind hole thread 2.4360 (Monel) knurl-washer
200652	M16	Double toggle M16 blind hole thread 2.4360 (Monel) knurl-washer
200659	M12	Double toggle M12 through thread ball handle 1.4301/1.4307
200656	M16	Double toggle M16 through thread ball handle 1.4301/1.4307
200660	M12	Double toggle M12 through thread ball handle 1.4404
200657	M16	Double toggle M16 through thread ball handle 1.4404
200661	M12	Double toggle M12 through thread ball handle 2.4360 (Monel)
200658	M16	Double toggle M16 through thread ball handle 2.4360 (Monel)
200665	M12	Double toggle M12 blind hole thread ball handle 1.4301/1.4307
200662	M16	Double toggle M16 blind hole thread ball handle 1.4301/1.4307
200666	M12	Double toggle M12 blind hole thread ball handle 1.4404
200663	M16	Double toggle M16 blind hole thread ball handle 1.4404
200667	M12	Double toggle M12 blind hole thread ball handle 2.4360 (Monel)
200664	M16	Double toggle M16 blind hole thread ball handle 2.4360 (Monel)

Single arm toggles

Article No.	Size	Description
200711	M12	Single arm toggle M12 through thread 1.4301/1.4307
200708	M16	Single arm toggle M16 through thread 1.4301/1.4307
200712	M12	Single arm toggle M12 through thread 1.4404
200709	M16	Single arm toggle M16 through thread 1.4404
200713	M12	Single arm toggle M12 through thread 2.4360 (Monel)
200710	M16	Single arm toggle M16 through thread 2.4360 (Monel)
200717	M12	Single arm toggle M12 blind hole thread 1.4301/1.4307
200714	M16	Single arm toggle M16 blind hole thread 1.4301/1.4307
200718	M12	Single arm toggle M12 blind hole thread 1.4404
200715	M16	Single arm toggle M16 blind hole thread 1.4404
200719	M12	Single arm toggle M12 blind hole thread 2.4360 (Monel)
200716	M16	Single arm toggle M16 blind hole thread 2.4360 (Monel)

Ring nuts / Triangle nuts

Article No.	Size	Description
200681	M12	Ring nut M12 blind hole thread 1.4301/1.4307
200678	M16	Ring nut M16 blind hole thread 1.4301/1.4307
200682	M12	Ring nut M12 blind hole thread 1.4404
200679	M16	Ring nut M16 blind hole thread 1.4404
200683	M12	Ring nut M12 blind hole thread 2.4360 (Monel)
200680	M16	Ring nut M16 blind hole thread 2.4360 (Monel)
200687	M12	Triangle nut M12 blind hole thread 1.4301/1.4307
200684	M16	Triangle nut M16 blind hole thread 1.4301/1.4307
200688	M12	Triangle nut M12 blind hole thread 1.4404
200685	M16	Triangle nut M16 blind hole thread 1.4404
200689	M12	Triangle nut M12 blind hole thread 2.4360 (Monel)
200686	M16	Triangle nut M16 blind hole thread 2.4360 (Monel)



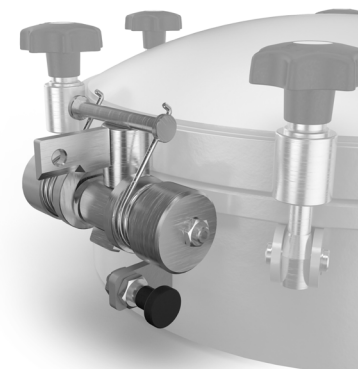
Bolts

The prices for spare parts for an eyebolt assembly (eye bolts, bolts, clamping bushes, etc.) you will receive on request.

Hinges

Description
Hinge complete (standard length) up to NW400
Hinge complete (pivot point offset 45 mm) up to NW400
Hinge complete (pivot point offset 90 mm) up to NW400
Reinforced hinge complete (standard length) up to NW600
Reinforced hinge complete (pivot point offset 45 mm) up to NW600
Reinforced hinge complete (pivot point offset 90 mm) up to NW600
Double hinge complete from NW700
Hinge complete for 1-bar cover
Swivel feature up to NW600
Swing- and foldable hinge for Pressureless Dome-Cover with crossarm and Profile-Gasket
Foldable hinge for Pressureless Dome-Cover with crossarm and Profile-Gasket
Cone swivel feature

8.6 Springassists, Locking Pins



Description

Springassist with torsion spring (up to NW600)

Springassist with torsion spring - double version (> NW600)

Spare springs for springassist with torsion spring, spring thickness: t=4mm, 5mm, 6mm, 6.5mm, 7mm, package includes right and left version (for standard hinge - slot width 30mm)

Spare springs for springassist with torsion spring, spring thickness: t=4mm, 5mm, 6mm, 6.5mm, 7mm, package includes right and left version (for reinforced hinge - slot width 40mm)

Springassist with tool spring (horizontal, single version)

Springassist with tool spring (vertical, single version)

Springassist with tool spring (horizontal, double version)

Springassist with tool spring (vertical, double version)

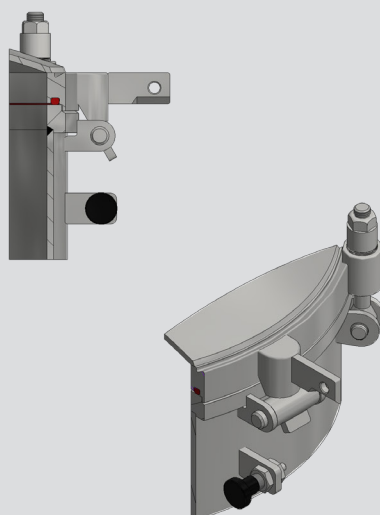
Springassist with gas spring horizontal (for aseptic line covers only, alignment via cover)

Springassist with gas spring horizontal (for aseptic line covers only, alignment via tank)

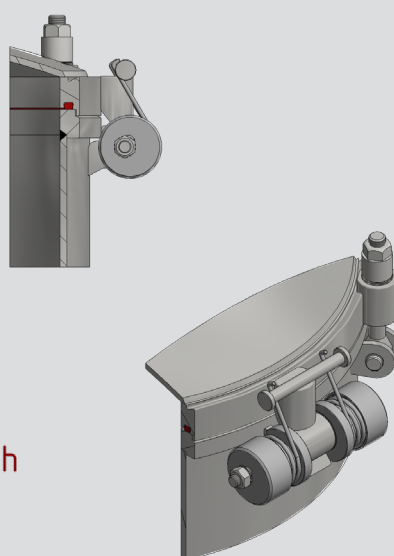
Locking pin with plastic knob

Locking pin with stainless steel knob

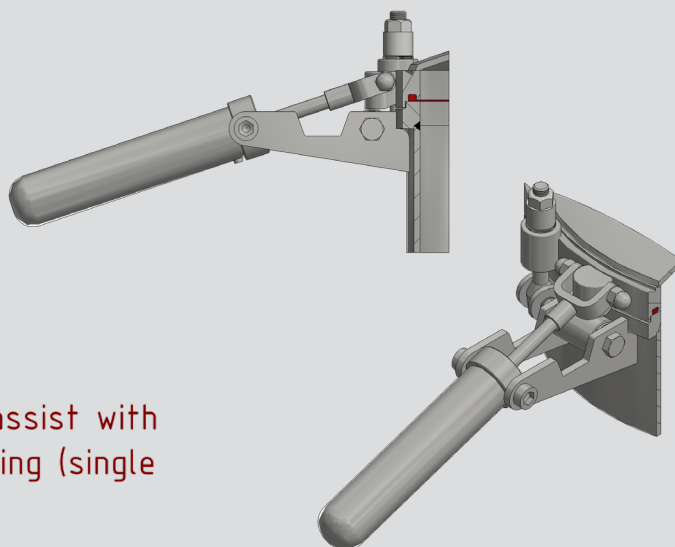
locking pin



spring assist with
torsion springs



8.6 Springassists, Locking Pins



spring assist with
gas-spring (single
version)



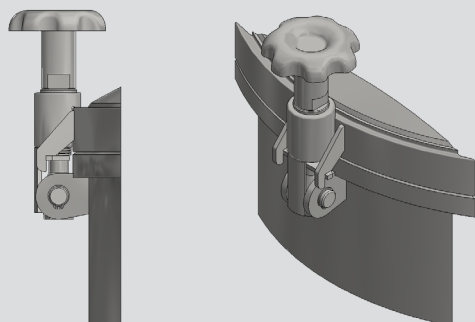
Description

Safety release system

Pressure release system

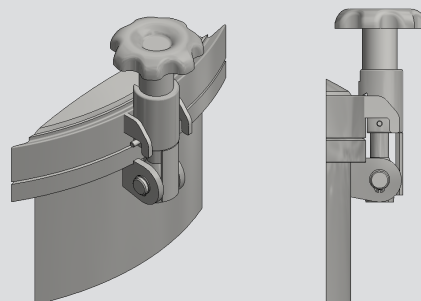
Screw with safety device and limit switch type Bartec 07-2511

wedge for side installation (loose)



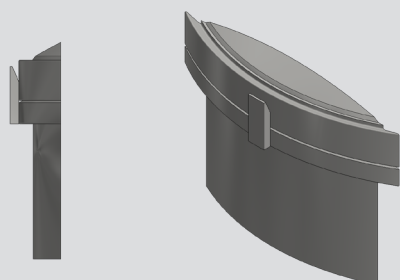
safety release system

(Efforts manual pressure release and lifting of the cover. Only when the cover was lifted 10-15mm, it is possible to swing the screw away)

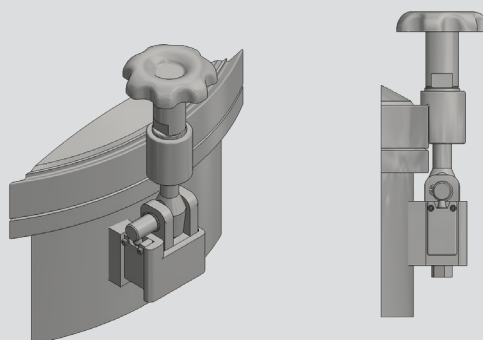


pressure release system

(The pressure release and lifting of the cover happens by opening of the handle. After lifting the cover about 8-10mm, it is possible to swing the screw away)



wedge for side installation



screw with safety device

Borosilicate glass-panes for Glass-Cover up to 12/-1 bar

Article No.	NW	Dimension [mm]
150015	100	Ø 125 x 20
150003	150	Ø 175 x 20
150017	150	Ø 175 x 25
150018	200	Ø 225 x 20
150019	200	Ø 225 x 25
150020	250	Ø 275 x 25
150021	250	Ø 275 x 30
150022	300	Ø 325 x 30
150023	350	Ø 375 x 30
150024	400	Ø 425 x 30
150025	450	Ø 475 x 30
150026	500	Ø 525 x 30
150027	600	Ø 625 x 30

**Soda-lime glass-panes for Glass-Cover
with clamped soda-lime glass-pane up to 10/-1 bar**

Article No.	NW	Dimension [mm]
233368	200	Ø 183 x 10
150078	200	Ø 183 x 15
150086	200	Ø 183 x 20
150094	200	Ø 183 x 25
233370	250	Ø 233 x 10
150079	250	Ø 233 x 15
150087	250	Ø 233 x 20
150095	250	Ø 233 x 25
150080	300	Ø 283 x 15
150088	300	Ø 283 x 20
150096	300	Ø 283 x 25
150081	350	Ø 333 x 15
150089	350	Ø 333 x 20
150097	350	Ø 333 x 25
150082	400	Ø 383 x 15
150098	400	Ø 383 x 25
150091	450	Ø 433 x 20
150099	450	Ø 433 x 25
150092	500	Ø 483 x 20
150101	600	Ø 583 x 25



Soda-lime glass-panes for Pressureless Glass-Cover

Article No.	NW	Dimension [mm]
150050	200	Ø 224x6
150051	250	Ø 274x6
150052	300	Ø 324x6
150053	350	Ø 374x6
150054	400	Ø 424x6
150055	450	Ø 474x6
150056	500	Ø 524x6
150057	600	Ø 624x6

Soda-lime glass-panes for Pressureless Glass-Cover with clamped soda-lime glass-pane

Article No.	NW	Dimension [mm]
233364	200	Ø 183x6
233365	250	Ø 233x6
233366	300	Ø 283x6
232460	350	Ø 333x6
233367	400	Ø 383x6
227994	450	Ø 433x6
225255	500	Ø 483x6
227995	600	Ø 583x6



9. Gaskets

NW	Article No.	Silicone (S)	Article No.	EPDM (E)	Index	Article No.	Viton (V)	Colour
Round Pressure Cover, 1-bar Cover, Pressure Cone-Cover, Automatic Pressure Cover, Glass-Cover								
100	20107si	1, 2, 3, 4	20107ep	1, 3, 4	B	20107vi	1, 3, 4	green
150	20157si	1, 2, 3, 4	20157ep	1, 3, 4	B	20157vi	1, 3, 4	green
200	20207si	1, 2, 3, 4	20207ep	1, 2, 3, 4	A	20207vi	1, 3, 4	green
250	20257si	1, 2, 3, 4	20257ep	1, 3, 4	B	20257vi	1, 3, 4	green
300	20307si	1, 2, 3, 4	20307ep	1, 2, 3, 4	A	20307vi	1, 3, 4	green
350	20357si	1, 2, 3, 4	20357ep	1, 3, 4	B	20357vi	1, 3, 4	green
400	20407si	1, 2, 3, 4	20407ep	1, 2, 3, 4	A	20407vi	1, 3, 4	green
450	20457si	1, 2, 3, 4	20457ep	1, 2, 3, 4	A	20457vi	1, 3, 4	green
500	20507si	1, 2, 3, 4	20507ep	1, 2, 3, 4	A	20507vi	1, 3, 4	green
600	20607si	1, 2, 3, 4	20607ep	1, 2, 3, 4	A	20607vi	1, 3, 4	green
700	20707si	1, 2, 3, 4	20707ep	1, 3, 4	B	20707vi	1, 3, 4	green
800	20807si	1, 2, 3, 4	20807ep	1, 3, 4	B	20807vi	1, 3, 4	green
900	20907si	1, 2, 3, 4	20907ep	1, 3, 4	B	20907vi	1, 3, 4	black
1000	21007si	1, 2, 3, 4	21007ep	1, 3, 4	B	21007vi	1, 3, 4	black

Oval Pressure Cover

200x300	22030si	1, 3, 4	22030ep	1, 3, 4	B	22030vi	1, 3, 4	black
250x350	22535si	1, 3, 4	22535ep	1, 3, 4	B	22535vi	1, 3, 4	black
300x400	23040si	1, 3, 4	23040ep	1, 3, 4	B	23040vi	1, 3, 4	black
350x450	23545si	1, 3, 4	23545ep	1, 3, 4	B	23545vi	1, 3, 4	black
400x500	24050si	1, 3, 4	24050ep	1, 3, 4	B	24050vi	1, 3, 4	black

Meta-Flange-Sightglass

100	20096si	1	20096ep	1, 3, 4	B	20096vi	1	black
125	20121si	1	20121ep	1, 3, 4	B	20121vi	1	black
150	20146si	1	20146ep	1, 3, 4	B	20146vi	1	black
175	20171si	1	20171ep	1, 3, 4	B	20171vi	1	black
200	20196si	1	20196ep	1, 3, 4	B	20196vi	1	black
225	20221si	1	20221ep	1, 3, 4	B	20221vi	1	black

S: Silicone transparent +200°C/ -50°C

E: EPDM-Index A: black +150°C / -45°C | Index B: black vulcanized +140°C/-40°C)

V: Viton green +200°C/-20°C



Manhole-Cover 410x510

410x510	1022si	1, 2, 3, 4	1022ep	1, 2, 3, 4	B	1022vi	1, 3, 4	black
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Aseptic-Line Covers

200	220si-ASL	1	220ep-ASL	1, 3, 4	B	220vi-ASL	1, 3, 4	black
250	225si-ASL	1	225ep-ASL	1, 3, 4	B	225vi-ASL	1, 3, 4	black
300	230si-ASL	1	230ep-ASL	1, 3, 4	B	230vi-ASL	1, 3, 4	black
350	235si-ASL	1	235ep-ASL	1, 3, 4	B	235vi-ASL	1, 3, 4	black
400	240si-ASL	1	240ep-ASL	1, 3, 4	B	240vi-ASL	1, 3, 4	black
450	245si-ASL	1	245ep-ASL	1, 3, 4	B	245vi-ASL	1, 3, 4	black
500	250si-ASL	1	250ep-ASL	1, 3, 4	B	250vi-ASL	1, 3, 4	black
600	260si-ASL	1	260ep-ASL	1, 3, 4	B	260vi-ASL	1, 3, 4	black

NW	Article No.	FEP-Silicone (S)	Article No.	FEP-Viton (V)	Article No.	FEP-EPDM (E)	Article No.	PFA-Silicone (P)
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Round Pressure Cover, 1-bar Cover, Pressure Cone-Cover, Automatic Pressure Cover, Glass-Covers

100	20107fes	1, 2, 3, 4, 6	20107fev	1, 2, 3, 4, 6	20107fee	1, 2, 3, 4, 6	20107pfa	2, 3, 4, 6
150	20157fes	1, 2, 3, 4, 6	20157fev	1, 2, 3, 4, 6	20157fee	1, 2, 3, 4, 6	20157pfa	2, 3, 4, 6
200	20207fes	1, 2, 3, 4, 6	20207fev	1, 2, 3, 4, 6	20207fee	1, 2, 3, 4, 6	20207pfa	2, 3, 4, 6
250	20257fes	1, 2, 3, 4, 6	20257fev	1, 2, 3, 4, 6	20257fee	1, 2, 3, 4, 6	20257pfa	2, 3, 4, 6
300	20307fes	1, 2, 3, 4, 6	20307fev	1, 2, 3, 4, 6	20307fee	1, 2, 3, 4, 6	20307pfa	2, 3, 4, 6
350	20357fes	1, 2, 3, 4, 6	20357fev	1, 2, 3, 4, 6	20357fee	1, 2, 3, 4, 6	20357pfa	2, 3, 4, 6
400	20407fes	1, 2, 3, 4, 6	20407fev	1, 2, 3, 4, 6	20407fee	1, 2, 3, 4, 6	20407pfa	2, 3, 4, 6
450	20457fes	1, 2, 3, 4, 6	20457fev	1, 2, 3, 4, 6	20457fee	1, 2, 3, 4, 6	20457pfa	2, 3, 4, 6
500	20507fes	1, 2, 3, 4, 6	20507fev	1, 2, 3, 4, 6	20507fee	1, 2, 3, 4, 6	20507pfa	2, 3, 4, 6
600	20607fes	1, 2, 3, 4, 6	20607fev	1, 2, 3, 4, 6	20607fee	1, 2, 3, 4, 6	20607pfa	2, 3, 4, 6
700	20707fes	1, 2, 3, 4, 6	20707fev	1, 2, 3, 4, 6	20707fee	1, 2, 3, 4, 6	20707pfa	2, 3, 4, 6
800	20807fes	1, 2, 3, 4, 6	20807fev	1, 2, 3, 4, 6	20807fee	1, 2, 3, 4, 6	20807pfa	2, 3, 4, 6
900	20907fes	1, 2, 3, 4, 6	20907fev	1, 2, 3, 4, 6	20907fee	1, 2, 3, 4, 6	20907pfa	2, 3, 4, 6
1000	21007fes	1, 2, 3, 4, 6	21007fev	1, 2, 3, 4, 6	21007fee	1, 2, 3, 4, 6	21007pfa	2, 3, 4, 6

S: FEP-Silicone +204°C / -20°C – shell: transparent | core: red

V: FEP-Viton +204°C / -20°C – shell: transparent | core: black

E: FEP-EPDM +140/-40°C – shell: transparent | core: black

P: PFA-Silicone +230/-60°C – shell: transparent | core: red

9.1 O-Ring-Gaskets

Oval Pressure Cover

200 x 300	22030fes 1, 2, 3, 4, 6	22030fev 1, 2, 3, 4, 6	22030fee 1, 2, 3, 4, 6	22030pfa 2, 3, 4, 6
250 x 350	22535fes 1, 2, 3, 4, 6	22535fev 1, 2, 3, 4, 6	22535fee 1, 2, 3, 4, 6	22535pfa 2, 3, 4, 6
300 x 400	23040fes 1, 2, 3, 4, 6	23040fev 1, 2, 3, 4, 6	23040fee 1, 2, 3, 4, 6	23040pfa 2, 3, 4, 6
350 x 450	23545fes 1, 2, 3, 4, 6	23545fev 1, 2, 3, 4, 6	23545fee 1, 2, 3, 4, 6	23545pfa 2, 3, 4, 6
400 x 500	24050fes 1, 2, 3, 4, 6	24050fev 1, 2, 3, 4, 6	24050fee 1, 2, 3, 4, 6	24050pfa 2, 3, 4, 6

Meta-Flange-Sightglass

100	20096fes 1, 2, 3, 4, 6	20096fev 1, 2, 3, 4, 6	20096fee 1, 2, 3, 4, 6	20096pfa 2, 3, 4, 6
125	20121fes 1, 2, 3, 4, 6	20121fev 1, 2, 3, 4, 6	20121fee 1, 2, 3, 4, 6	20121pfa 2, 3, 4, 6
150	20146fes 1, 2, 3, 4, 6	20146fev 1, 2, 3, 4, 6	20146fee 1, 2, 3, 4, 6	20146pfa 2, 3, 4, 6
175	20171fes 1, 2, 3, 4, 6	20171fev 1, 2, 3, 4, 6	20171fee 1, 2, 3, 4, 6	20171pfa 2, 3, 4, 6
200	20196fes 1, 2, 3, 4, 6	20196fev 1, 2, 3, 4, 6	20196fee 1, 2, 3, 4, 6	20196pfa 2, 3, 4, 6
225	20221fes 1, 2, 3, 4, 6	20221fev 1, 2, 3, 4, 6	20221fee 1, 2, 3, 4, 6	20221pfa 2, 3, 4, 6

Manhole-Cover 410x510

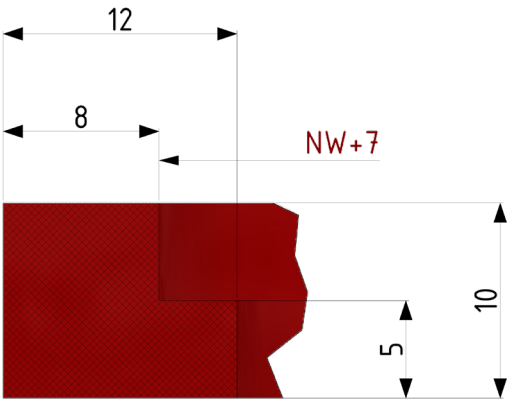
410 x 510	1022fes	1022fev	1022fee	1022pfa
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Aseptic-Line Covers

200	220fes-ASL 1, 2, 3, 4, 6	220fev-ASL 1, 2, 3, 4, 6	220fee-ASL 1, 2, 3, 4, 6	220pfa-ASL 2, 3, 4, 6
250	225fes-ASL 1, 2, 3, 4, 6	225fev-ASL 1, 2, 3, 4, 6	225fee-ASL 1, 2, 3, 4, 6	225pfa-ASL 2, 3, 4, 6
300	230fes-ASL 1, 2, 3, 4, 6	230fev-ASL 1, 2, 3, 4, 6	230fee-ASL 1, 2, 3, 4, 6	230pfa-ASL 2, 3, 4, 6
350	235fes-ASL 1, 2, 3, 4, 6	235fev-ASL 1, 2, 3, 4, 6	235fee-ASL 1, 2, 3, 4, 6	235pfa-ASL 2, 3, 4, 6
400	240fes-ASL 1, 2, 3, 4, 6	240fev-ASL 1, 2, 3, 4, 6	240fee-ASL 1, 2, 3, 4, 6	240pfa-ASL 2, 3, 4, 6
450	245fes-ASL 1, 2, 3, 4, 6	245fev-ASL 1, 2, 3, 4, 6	245fee-ASL 1, 2, 3, 4, 6	245pfa-ASL 2, 3, 4, 6
500	250fes-ASL 1, 2, 3, 4, 6	250fev-ASL 1, 2, 3, 4, 6	250fee-ASL 1, 2, 3, 4, 6	250pfa-ASL 2, 3, 4, 6
600	260fes-ASL 1, 2, 3, 4, 6	260fev-ASL 1, 2, 3, 4, 6	260fee-ASL 1, 2, 3, 4, 6	260pfa-ASL 2, 3, 4, 6

Gasket certificates

Reference number	Certificate
1	FDA (21CFR 177.2600)
2	U.S. Pharmacopeia (USP) Class VI
3	EG 1935/2004
4	ADI-free (free from animal components)
5	3A Sanitary Standard 18-03
6	FDA (21CFR 177.1550)



NW	Article No.	Silicone transparent +200 °C / -60 °C	Article No.	EPDM black +90 °C / -30 °C glued
100	201sip	1	201epp	
150	215sip	1	215epp	
200	220sip	1	220epp	
250	225sip	1	225epp	
300	230sip	1	230epp	
350	235sip	1	235epp	
400	240sip	1	240epp	
450	245sip	1	245epp	
500	250sip	1	250epp	
600	260sip	1	260epp	
700	270sip	1	270epp	
800	280sip	1	280epp	
900	290sip	1	290epp	
1000	210sip	1	210epp	

Gasket certificates

Reference number	Certificate
1	FDA (21CFR 177.2600)

9.3 Gasket-Set for Glass-Covers

Gasket-Set for Glass-Cover up to 12/-1 bar

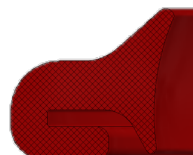
NW	Article No.	Dimension of holding gasket Silicone	Dimension of flat gasket Klingsil C4430
100	226625	Ø 4mm x 402mm	Ø 125 x Ø 100 x 1,5 mm
150	227307	Ø 4mm x 559mm	Ø 175 x Ø 150 x 1,5 mm
200	225348	Ø 4mm x 716mm	Ø 225 x Ø 200 x 1,5 mm
250	227695	Ø 4mm x 873mm	Ø 275 x Ø 250 x 1,5 mm
300	224038	Ø 4mm x 1030mm	Ø 325 x Ø 300 x 1,5 mm
350	225945	Ø 4mm x 1187mm	Ø 375 x Ø 350 x 1,5 mm
400	225298	Ø 4mm x 1345mm	Ø 425 x Ø 385 x 1,5 mm
450	231801	Ø 4mm x 1502mm	Ø 475 x Ø 450 x 1,5 mm
500	225425	Ø 4mm x 1659mm	Ø 525 x Ø 500 x 1,5 mm
600	228262	Ø 4mm x 1973mm	Ø 625 x Ø 600 x 1,5 mm

Gasket-Set for Pressureless Glass-Cover

NW	Article No.	Dimension of holding gasket Silicone	Dimension of flat gasket Klingsil C4430
200	231802	Ø 4mm x 700mm	Ø 225 x 200 x 1,5 mm
250	231803	Ø 4mm x 858mm	Ø 275 x 250 x 1,5 mm
300	231805	Ø 4mm x 1014mm	Ø 325 x 300 x 1,5 mm
350	231523	Ø 4mm x 1172mm	Ø 375 x 350 x 1,5 mm
400	227846	Ø 4mm x 1329mm	Ø 425 x 400 x 1,5 mm
450	226749	Ø 4mm x 1486mm	Ø 475 x 450 x 1,5 mm
500	223975	Ø 4mm x 1643mm	Ø 525 x 500 x 1,5 mm
600	227091	Ø 4mm x 1957mm	Ø 625 x 600 x 1,5 mm



9.4 Profile-Gaskets for pressureless dome cover



"new" form (from NW200)

"old" form (to NW150)

NW	Article No.	Silicone gasket transparent +200 °C / -60 °C	Article No.	EPDM gasket black +90 °C / -30 °C
100	310si	1, 2, 3, 4	310ep	1
150	315si	1, 2, 3, 4	315ep	1
200	320si	1, 2, 3, 4	320ep	1
250	325si	1, 2, 3, 4	325ep	1
300	330si	1, 2, 3, 4	330ep	1
400	340si	1, 2, 3, 4	340ep	1
460	346si	1, 2, 3, 4	346ep	1
500	350si	1, 2, 3, 4	350ep	1
600	360si	1, 2, 3, 4	360ep	1
800	380si	1, 2, 3, 4	380ep	1

NW	Article No.	Perbunan gasket light beige +100 °C / -30 °C	Article No.	Viton gasket black +230 °C / -18 °C
100	310pe	1	310vi	1, 3
150	315pe	1	315vi	1, 3
200	320pe	1	320vi	1, 3
250	325pe	1	325vi	1, 3
300	330pe	1	330vi	1, 3
400	340pe	1	340vi	1, 3
460	346pe	1	346vi	1, 3
500	350pe	1	350vi	1, 3
600	360pe	1	360vi	1, 3
800	380pe	1	380vi	1, 3

9.4 Profile-Gaskets for pressureless dome cover

Gasket certificates

Reference number	Certificate
1	FDA (21CFR 177.2600)
2	U.S. Pharmacopeia (USP) Class VI
3	EG 1935/2004
4	ADI-free (free from animal components)

9.5 Gaskets
for Handhole-Cover 190x240

Article No.	Description	Reference number
321si	Silicone gasket transparent +200°C	1, 2, 3, 4
321ep	EPDM gasket black +90/-30°C	1

Gasket certificates

Reference No.	Certificate
1	FDA (21CFR 177.2600)
2	U.S. Pharmacopeia (USP) Class VI
3	EG 1935/2004
4	ADI-free (free from animal components)



10. Conditions

Our General Terms and Conditions of Delivery and Payment apply exclusively (www.zimmerlin.de/en/terms_conditions/gtc).





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