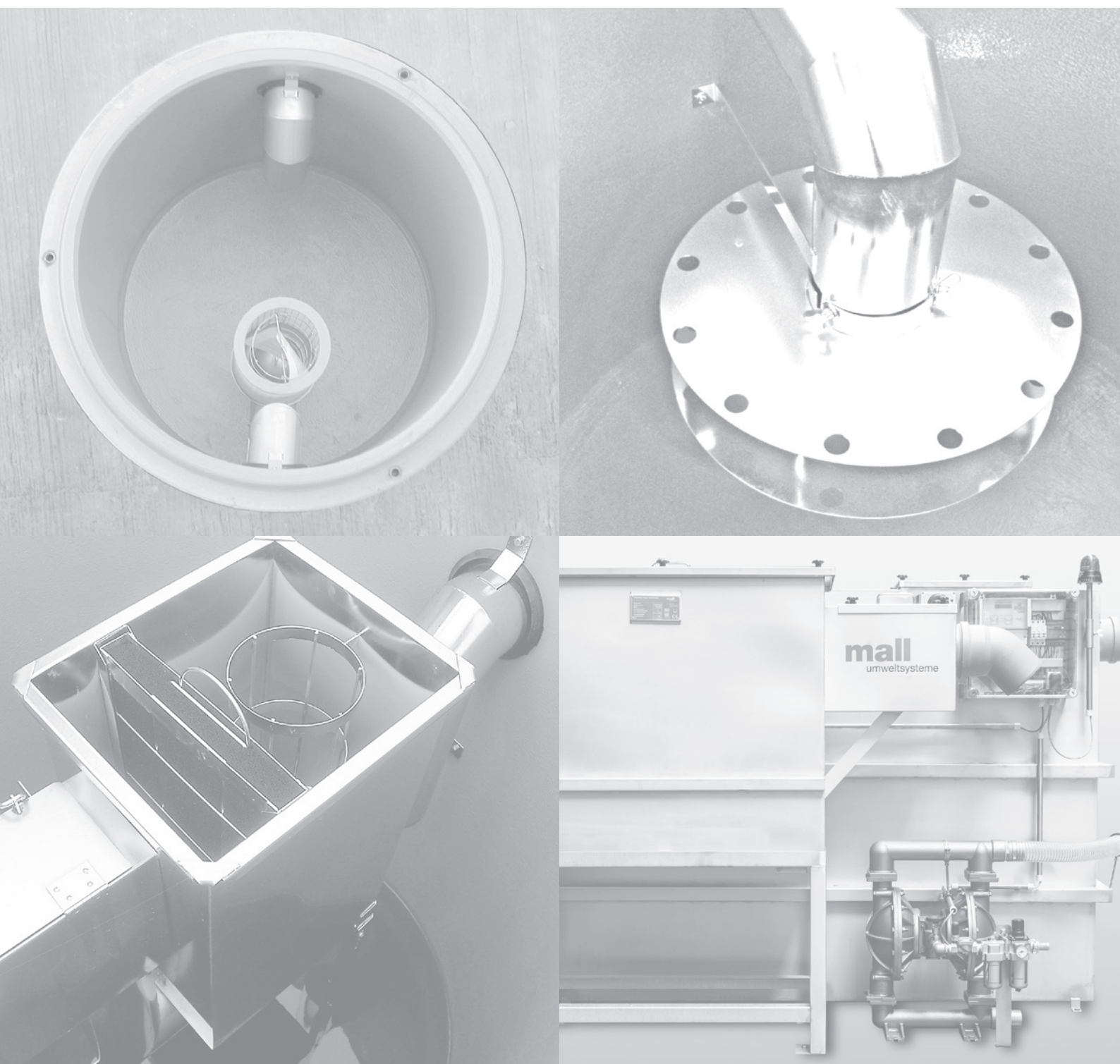


Separating plants for light mineral liquids class II and class I as per DIN EN 858



Mall NeutraCon pre-sludge trap as settling basin for washing facilities

S Rectangular structure – model with grating cover

Order number	Contents	Length	Width	Total depth	Outlet depth	Height	Nominal size	Total weight
	l	l mm	w mm	TD mm	D mm	h mm	DN	kg
Grate cover								
Con 200 ¹⁾	200	2195	500	500	375	125	150	690
Con 825	825	1790	990	1200*	875	325	150	2,980
Con 1200	1200	2850	990	1200*	875	325	150	4,390
Con 2200	2200	4890	990	1200*	875	325	150	7,090

¹⁾ No internal coating, loading profile passenger cars

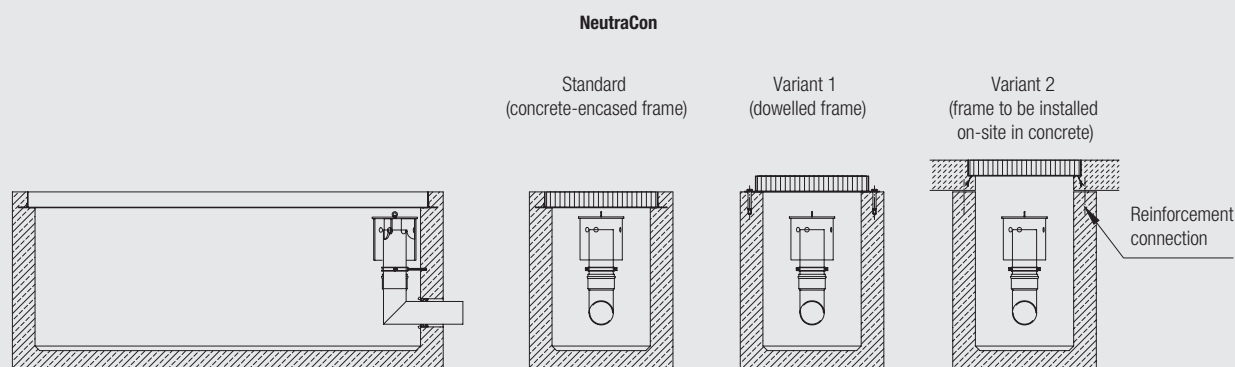
* Only with frame, without frame: 1100 mm

- Internal coating resistant to light liquids, multi-layered, applied to pre-treated subsurface, tear resistance of at least 2.0 N/mm², grating cover for loading profile HGV
- Quality-controlled prefabricated structure, made of waterproof, jointless C35/45 reinforced concrete as per DIN 4281
- Perforated mechanism at the tank outlet to retain floating solid substances
- Galvanised grating cover, mesh width 30x30 mm with M16 bolt connection
- Outlet line PE pre-sludge trap

Variants of frame attachment possible on request – see “dowelled” and “in-situ concrete” drawings (does not apply to Con 200).

Prices for both variants on request

Webcode **M5512** 



Mall NeutraSed sludge trap

as component of downstream separating plant class II or I
with internal coating resistant to light liquids,
as per DIN EN 858

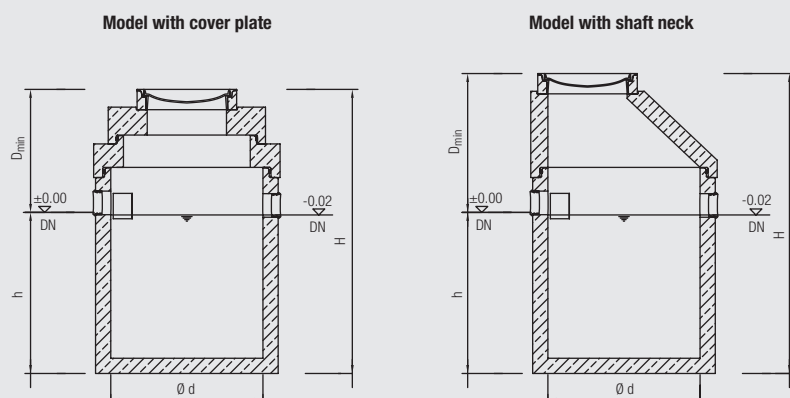


Order number class D 400	Contents I	Fits up to NS	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Heaviest single weight kg	Total weight kg
[S] Model with cover plate									
Sed 650-150	650	3	1000	1730	730	1000	150	1,700	2,420
Sed 2500-150	2500	3, 6, 10	1500	2280	730	1550	150	4,280	5,750
Sed 3000-200	3000	15, 20	2000	2175	1035	1140	200	4,230	6,700
Sed 5000-150	5000	3, 6, 10	2000	2725	985	1740	150	5,330	7,800
Sed 5000-200	5000	15, 20	2000	2725	1035	1690	200	5,330	8,000
Sed 6000-250	6000	30	2000	3175	1085	2090	250	6,160	8,630
Sed 8000-300	8000	40, 50, 65	2500	2925	1125	1800	300	7,450	10,970
Sed 10000-150	10000	3, 6, 10	2500	3175	985	2190	150	8,320	11,840
Sed 10000-200	10000	15, 20	2500	3175	1035	2140	200	8,320	11,840
Sed 10000-250	10000	30	2500	3175	1085	2090	250	8,320	11,840
Sed 10000-300	10000	40, 50, 65	2500	3275	1125	2150	300	8,320	11,840
Sed 12000-300	12000	40, 50, 65	3000	2955	1190	1765	300	11,060	16,740
Sed 13000-300	13000	40, 50, 65	3000	3205	1190	2015	300	11,980	17,660
Sed 15000-200	15000	15, 20	3000	3405	1105	2300	200	12,270	18,400
Sed 15000-300	15000	40, 50, 65	3000	3455	1190	2265	300	12,910	18,590
Sed 16000-400	16000	80, 100	3000	3705	1280	2425	400	13,840	19,520
Sed 19300-150	19300	3, 6, 10	3000	3955	1190	2765	150	14,770	20,450

[S] Model with shaft neck

Sed 650-150 K	650	3	1000	2130	1130	1000	150	1,700	2,510
Sed 2500-150 K	2500	3, 6, 10	1500	2680	1130	1550	150	4,280	5,780
Sed 3000-200 K	3000	15, 20	2000	2295	1155	1140	200	4,230	5,810
Sed 5000-150 K	5000	3, 6, 10	2000	2845	1105	1740	150	5,330	6,910
Sed 5000-200 K	5000	15, 20	2000	2945	1155	1690	200	5,330	7,110
Sed 6000-250 K	6000	30	2000	3295	1205	2090	250	6,160	7,730
Sed 8000-300 K	8000	40	2500	3045	1245	1800	300	7,450	9,440
Sed 10000-150 K	10000	3, 6, 10	2500	3395	1105	2290	150	8,320	10,310
Sed 10000-200 K	10000	15, 20	2500	3395	1155	2240	200	8,320	10,310
Sed 10000-250 K	10000	30	2500	3395	1205	2190	250	8,320	10,310
Sed 10000-300 K	10000	40	2500	3395	1245	2150	300	8,320	10,310

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection
- Model with PE inliner available on request
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Webcode **M5509**


NeutraSub petrol separator class II and sludge trap

as per DIN EN 858
 with self-closing mechanism
 with CE marking



Order number class D 400	Nominal size	Sludge trap volume	Inner Ø	Total depth TD	Inlet depth D _{min}	Height	Nominal size	Oil storage capacity l	Heaviest single weight kg	Total weight kg
	NS	I	d mm	mm	mm	h mm	DN			

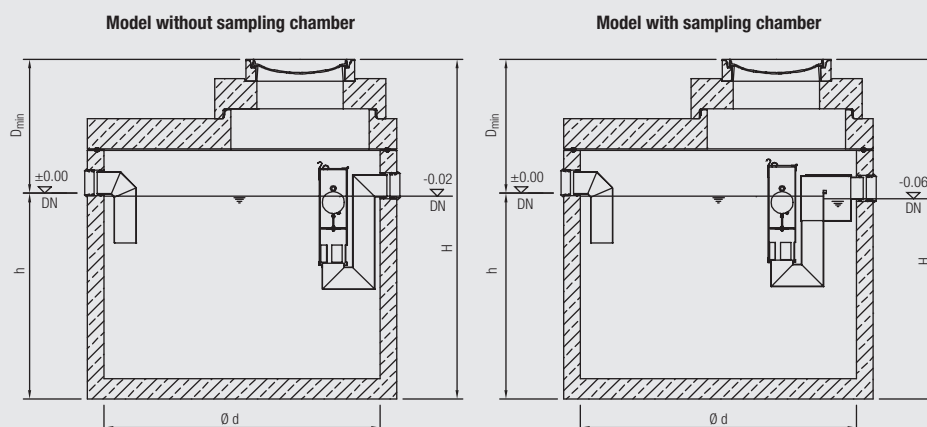
S II Model without sampling chamber

Sub 3-650	3	650	1200	2030	730	1300	150	512	2,450	3,450
Sub 4-800	4	800	1200	2180	730	1450	150	512	2,620	3,605
Sub 4-1200	4	1200	1200	2530	730	1800	150	512	3,430	4,415
Sub 6-1200	6	1200	1200	2530	730	1800	150	512	3,430	4,430
Sub 6-2500	6	2500	1500	2780	730	2050	150	690	5,250	6,750
Sub 6-5000	6	5000	2000	3275	985	2290	150	1020	6,430	8,900
Sub 8-1600	8	1600	1500	2280	730	1550	150	690	4,260	5,736
Sub 8-2500	8	2500	1500	2780	730	2050	150	690	5,230	6,706
Sub 10-2500	10	2500	1500	2750	730	2050	150	690	5,250	6,750
Sub 10-5000	10	5000	2000	3275	985	2290	150	1020	6,430	8,900
Sub 15-3000	15	3000	2000	2975	1035	1940	200	1012	5,830	8,300
Sub 15-5000	15	5000	2500	3075	1035	2040	200	1594	7,820	11,340
Sub 20-5000	20	5000	2500	3075	1035	2040	200	1594	7,820	11,340
Sub 30-6000	30	6000	2500	3275	1085	2190	250	1580	8,320	11,840

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection
- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated
- Suitable for biodiesel proportions up to 100%
- Model with PE inliner available on request
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available

Model with integrated sampling chamber on request.

Webcode **M5542**



Mall NeutraStar separating plant class I

as per DIN EN 858-1 with CE marking and coalescence device



Order number class D 400	Nominal size NS	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Storage capacity for light liquids l	Heaviest single weight kg	Total weight kg
Star 3	3	800	1580	770	810	150	184	1,230	1,750
Star 4	4	800	1580	770	810	150	184	1,230	1,750
Star 6	6	800	1580	770	810	150	184	1,230	1,750
Star 8	8	800	1580	770	810	150	184	1,230	1,750
Star 10	10	800	1580	770	810	150	185	1,230	1,750
Star 15	15	1000	1930	820	1110	200	339	1,910	2,630
Star 20	20	1200	2190	1080	1110	200	501	2,320	3,540
Star 30	30	1500	2290	1130	1160	250	737	4,300	5,990
Star 40	40	2000	3275	1165	2110	300	1326	7,690	10,160
Star 50	50	2000	2260	985	1275	300	1349	5,430	8,270
Star 65	65	2000	2260	985	1275	300	1349	5,430	8,290
Star 80	80	2000	3060	1375	1685	400	1469	8,570	11,340
Star 100	100	2500	3060	1375	1685	400	2389	10,970	15,480

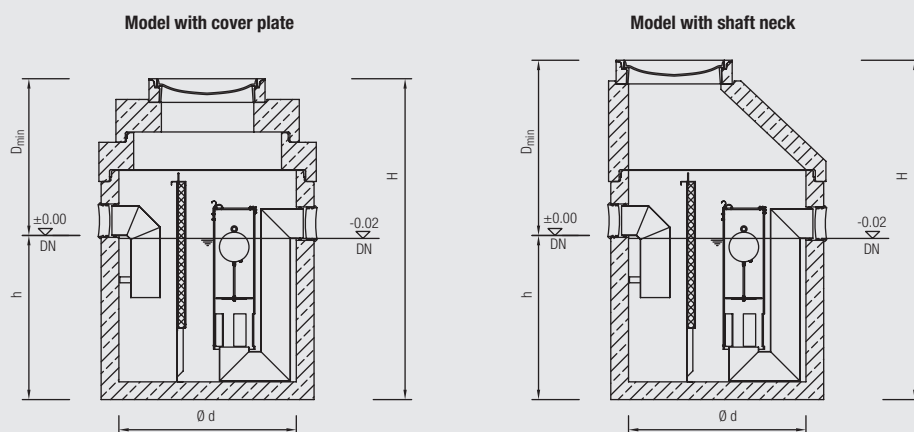
A Model with cover plate

A Model with shaft neck

Star 3 K	3	800	1960	1170	810	150	184	1,220	1,930
Star 4 K	4	800	1960	1170	810	150	184	1,220	1,930
Star 6 K	6	800	1960	1170	810	150	184	1,220	1,930
Star 8 K	8	800	1960	1170	810	150	184	1,220	1,930
Star 10 K	10	800	1960	1170	810	150	185	1,220	1,930
Star 15 K	15	1000	2330	1220	1110	200	339	1,890	2,700
Star 20 K	20	1200	2330	1220	1110	200	501	2,300	3,380
Star 30 K	30	1500	2430	1270	1160	250	737	4,300	5,800
Star 40 K	40	2000	3395	1285	2110	300	1326	7,690	9,270

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated.
- The complete system also comprises a sludge trap and a sampling shaft.
- Model with PE inliner available on request
- **The non-wearing coalescence mechanism can be removed and re-inserted for maintenance without emptying.**
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg/240 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Webcode **M5550**



Mall-ABKW separator for free-standing installation System A NeutraSteel
Z-83.8-51

with general technical approval / general type approval and coalescing device

Order number	Contents	suitable before NS	Length l mm	Width b mm	Total depth H mm	Height h mm	Nominal size DN	Total weight kg
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[S] NeutraSteel sedimentation device

Steel 650	650 ¹⁾	3,00	1100	1000	1200	1015	100	70
Steel 2500	2500	6,00	2150	1123	1563	1372	150	227

¹⁾ Round container

[A] NeutraSteel separator with automatic closing device

Order number	Type	Nominal size NS	Length l mm	Width b mm	Total depth H mm	Height h mm	LF storage quantity l	Nominal size DN	Total weight kg
611304	NeutraSteel 3	3	780	423	733	507	51	100	50
611320	NeutraSteel 6	6	950	523	858	632	81	150	55
611337	NeutraSteel 10	10	1150	523	1008	782	103	150	75

■ Standard: Incl. cable gland, sight glasses left and right, sampling device

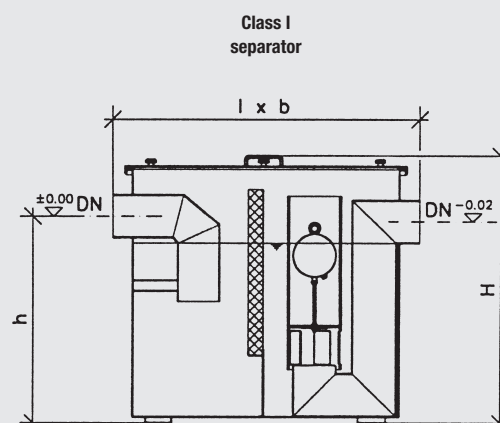
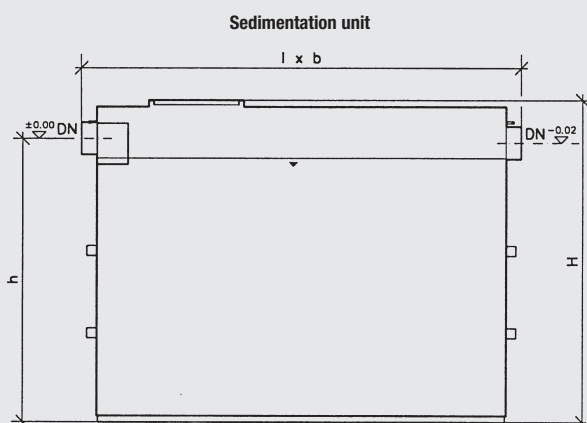
[A] NeutraSteel separator with automatic locking device – Premium*

611308	NeutraSteel 3 Premium*	3	780	423	733	507	51	100	50
611324	NeutraSteel 6 Premium*	6	950	523	858	632	81	150	55
611341	NeutraSteel 10 Premium*	10	1150	523	1008	782	103	150	75

* Premium: incl. cable feed-through, sight glasses left and right, sampling device, LF extraction device

- The connection pieces are suitable for plastic pipes.
- Coalescence separator with automatic closing device
- Unless otherwise required, the automatic sealing device is tared for a density of 0.90 g/cm³ of the light liquid to be separated.
- Stainless steel system for outdoor installation in frost-protected rooms
- The coalescing unit can be removed for maintenance without emptying and can be used again.

Order number	Base frames suitable for sludge trap and separator
610772	NeutraSteel 3-650 base frame
610773	NeutraSteel 6-2500 base frame
610774	NeutraSteel 10-2500 base frame

 Webcode **M5559**


Mall separating plant class I with integrated NeutraCom sludge trap as per DIN EN 858-1 with CE marking



Order number class D 400	Nominal size NS	Sedimentation unit contents I	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Storage capacity for light liquids I	Heaviest single weight kg	Total weight kg
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S A Model with cover plate

Com 3-650	3	650	1200	1930	730	1200	150	512	2,320	5,220
Com 4-800	4	800	1200	2080	730	1350	150	512	2,990	3,489
Com 4-1200	4	1200	1200	2430	730	1700	150	512	3,290	4,275
Com 6-1200	6	1200	1500	2030	730	1300	150	690	3,790	5,700
Com 6-2500	6	2500	1500	2780	730	2050	150	690	5,250	6,685
Com 6-5000	6	5000	2000	3275	985	2290	150	1239	6,430	8,900
Com 8-1600	8	1600	1500	2280	730	1550	150	690	4,260	5,705
Com 8-2500	8	2500	1500	2780	730	2050	150	690	5,230	6,685
Com 8-5000	8	5000	2000	3275	985	2290	150	1239	6,430	8,900
Com 10-2000	10	2000	1500	2480	730	1750	150	690	4,650	6,100
Com 10-3000	10	3000	2000	2575	985	1590	150	1239	5,030	7,500
Com 10-2500	10	2500	1500	2780	730	2050	150	690	5,250	6,685
Com 10-5000	10	5000	2000	3275	985	2290	150	1239	6,430	8,900
Com 15-3000	15	3000	2000	2675	1035	1640	200	1447	5,230	7,420
Com 15-5000	15	5000	2000	3275	1035	2240	200	1447	6,430	8,620
Com 20-4000	20	4000	2000	3275	1035	1940	200	1447	5,810	8,020
Com 20-6000	20	6000	2500	2925	1035	1890	200	2278	7,430	10,950

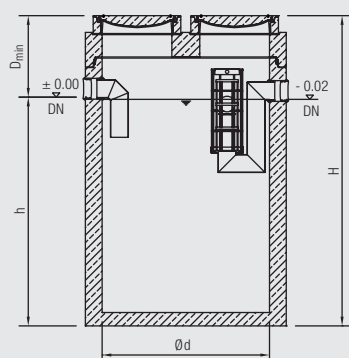
S A Model with shaft neck

Com 3-650 K	3	650	1200	2330	1130	1200	150	512	2,310	3,390
Com 4-800 K	4	800	1200	2480	1130	1350	150	512	2,500	3,580
Com 4-1200 K	4	1200	1200	2830	1130	1700	150	512	3,290	4,370
Com 6-1200 K	6	1200	1500	2430	1130	1300	150	690	3,770	5,075
Com 6-2500 K	6	2500	1500	3180	1130	2050	150	690	5,230	6,535
Com 8-1600 K	8	1600	1500	2680	1130	1550	150	690	4,260	5,555
Com 8-2500 K	8	2500	1500	3180	1130	2050	150	690	5,230	6,535
Com 10-2000 K	10	2000	1500	2880	1130	1750	150	690	4,650	5,945
Com 10-2500 K	10	2500	1500	3180	1130	2050	150	690	5,230	6,535

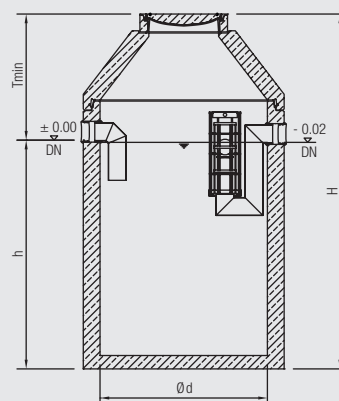
- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated.
- Model with PE inliner available on request
- **The non-wearing coalescence mechanism can be removed and re-inserted for maintenance without emptying.**
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Webcode **M5560**

Model with cover plate



Model with shaft neck



**Mall separating plant class I
 with integrated NeutraSpin sludge trap patented**

 Animation at:
www.mall.info/tv


as per DIN EN 858-1 with CE marking
 with free spherical passage (at least 150 mm);
 wear-free, non-clogging hydrodynamic
 coalescence device at the inlet

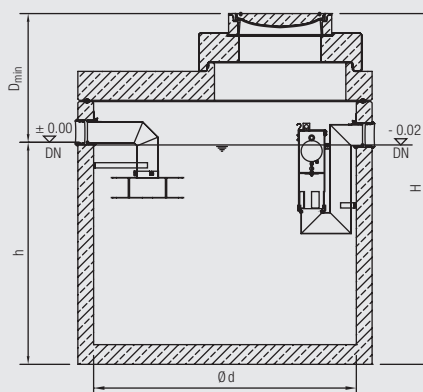
Order number class D 400	Nominal size NS	Sedimentation unit contents I	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Storage capacity for light liquids l	Heaviest single weight kg	Total weight kg
[S A] Model with cover plate										
Spin 3-650	3	650	1500	1930	730	1200	150	508	3,590	5,010
Spin 6-1200	6	1200	2000	2225	985	1240	150	910	4,330	6,760
Spin 6-2500	6	2500	2000	2625	985	1640	150	910	5,120	7,550
Spin 6-5000	6	5000	2500	2875	985	1890	150	1430	7,320	10,830
Spin 8-1600	8	1600	2000	2375	985	1390	150	910	4,620	7,050
Spin 8-2500	8	2500	2000	2625	985	1640	150	910	5,120	7,550
Spin 8-5000	8	5000	2500	2875	985	1890	150	1430	7,320	10,830
Spin 10-2000	10	2000	2000	2475	985	1490	150	910	4,830	7,300
Spin 10-2500	10	2500	2000	2625	985	1640	150	910	5,120	7,550
Spin 10-3000	10	3000	2000	2775	985	1790	150	910	5,430	7,850
Spin 10-5000	10	5000	2500	2875	985	1890	150	1430	7,330	10,830
Spin 15-3000	15	3000	2000	2975	1035	1940	200	903	5,820	8,250
Spin 15-5000	15	5000	2500	3075	1035	2040	200	1423	7,820	11,340
Spin 20-4000	20	4000	2500	2975	1035	1940	200	1423	7,570	11,080
Spin 20-5000	20	5000	2500	3175	1035	2140	200	1423	8,060	11,570
Spin 20-6000	20	6000	3000	3155	1155	2000	200	2058	11,610	17,540
Spin 25-5000	25	5000	3000	3105	1205	1900	250	2046	11,390	18,040
Spin 25-7500	25	7500	3000	3505	1205	2300	250	2046	12,870	19,530
Spin 30-6000	30	6000	3000	3605	1205	2400	250	2046	13,280	19,900
Spin 30-9000	30	9000	3000	4005	1205	2800	250	2046	14,760	21,380

■ Maintenance-free, self-cleaning coalescence device

- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated.
- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- Flow-optimised inlet construction
- Encourages settling of settleable solids
- Model with PE inliner available on request
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total height (TH) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

 Webcode **M5563**


Model with cover plate



Mall separating plant class II and class I with integrated NeutraPro sludge trap

as per DIN EN 858-1 with CE marking



Animation at:
www.mall.info/tv



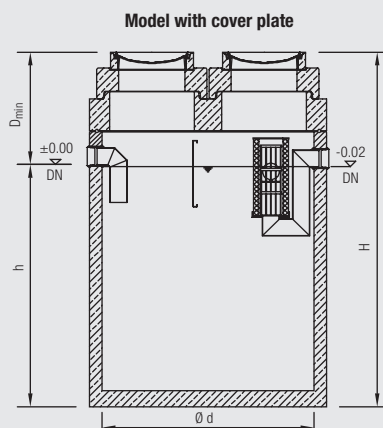
Order number class D 400	Nominal size	Sedimentation unit contents	Inner Ø	Total depth	Inlet depth D _{min}	Height	Nominal size	Storage capacity for light liquids	Heaviest single weight	Total weight
	NS	I	d mm	TD mm	D _{min} mm	h mm	DN	I	kg	kg

S B A Model with cover plate

Pro 3-650	3	650	1200	2230	730	1500	150	510	2,690	3,640
Pro 4-800	4	800	1200	2380	730	1650	150	510	2,880	3,830
Pro 6-1200	6	1200	1500	2030	730	1300	150	810	3,790	5,220
Pro 6-2500	6	2500	1500	2780	730	2050	150	810	5,250	6,750
Pro 6-5000	6	5000	2000	3355	1065	2290	150	1238	6,420	9,600
Pro 10-2000	10	2000	1500	2680	730	1950	150	688	5,060	6,490
Pro 10-2500	10	2500	1500	2980	730	2250	150	688	5,640	7,140
Pro 10-5000	10	5000	2000	3355	1065	2290	150	1238	6,420	9,600
Pro 15-3000	15	3000	2000	2905	1115	1790	200	1444	5,520	8,700
Pro 15-5000	15	5000	2500	2925	1035	1890	200	2276	7,450	11,210
Pro 20-5000	20	5000	2500	2925	1035	1890	200	2276	7,450	11,210
Pro 30-6000	30	6000	2500	3275	1085	2190	250	2256	8,320	12,160

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated.
- Model with PE inliner available on request
- **The non-wearing coalescence mechanism can be removed and re-inserted for maintenance without emptying.**
- **Both class II + I components are individually tested with respect to outlet values based on the approval criteria for separating plants.**
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Webcode **M5564**



Mall NeutraSam removal tank

Webcode **M5520** 

designed to meet the respective requirements of various washing system manufacturers and circulation water treatment systems, e.g. Christ, Kärcher and Wasserscheidt

Order number class D 400	Contents l	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Heaviest single weight kg	Total weight kg
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Model with cover plate

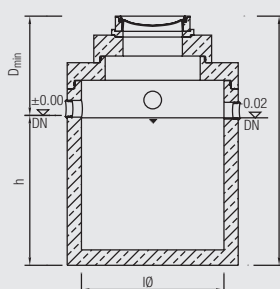
Sam-E 2500	2500	1500	2280	730	1550	150	4,280	5,750
Sam-E 5000	5000	2000	2725	985	1740	150	5,330	6,890
Sam-E 10000	10000	2500	3275	985	2290	150	8,320	10,290

Model with shaft neck

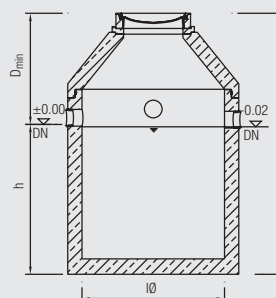
Sam-E 2500 K	2500	1500	2680	1130	1550	150	4,250	5,550
Sam-E 5000 K	5000	2000	2845	1105	1740	150	5,310	6,890
Sam-E 10000 K	10000	2500	3395	1105	2290	150	8,300	10,290

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- Additional empty conduit connections (object-specific)
- Model with PE inliner possible
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

NeutraSam removal tank
Model with cover plate



NeutraSam removal tank
Model with shaft neck



Mall light liquid separator

with NeutraPass integrated bypass

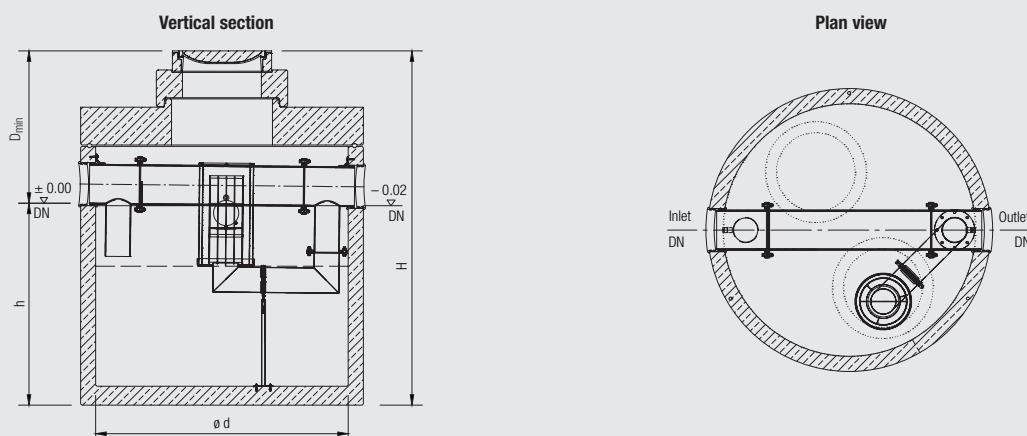
with dimensioned overflow threshold, sludge trap and class I separator



Order number class D 400	Volume flow	Sludge trap contents	Inner Ø	Total height	Inlet depth	Height	Inlet/outlet difference	Nominal size	LL storage capacity	Heaviest single weight	Total weight
	Q / Q _{max} l/s	V _s l	d mm	TD mm	D _{min} mm	h mm	Δh mm	DN	V _{LF} l	kg	kg
Pass006/018-1200	6 / 18	1200	1500	2130	830	1300	20	250	681	3,980	5,416
Pass006/030-1200	6 / 30	1200	1500	2130	830	1300	20	250	681	3,980	5,416
Pass006/060-1200	6 / 60	1200	1500	2180	870	1310	20	300	677	4,100	5,536
Pass008/024-1600	8 / 24	1600	1500	2330	780	1550	20	200	682	4,370	5,806
Pass008/040-1600	8 / 40	1600	1500	2430	870	1560	20	300	677	4,590	6,026
Pass008/080-1600	8 / 80	1600	1500	2530	970	1560	20	400	678	4,790	6,226
Pass010/030-2000	10 / 30	2000	1500	2580	830	1750	20	250	681	4,860	6,296
Pass010/050-2000	10 / 50	2000	1500	2630	870	1760	20	300	677	4,970	6,406
Pass010/100-2000	10 / 100	2000	1500	2730	970	1760	20	400	678	5,180	6,616
Pass015/045-3000	15 / 45	3000	2000	2805	1205	1600	20	300	1,426	5,340	8,528
Pass015/075-3000	15 / 75	3000	2000	2805	1205	1600	20	300	1,426	5,340	8,528
Pass015/150-3000	15 / 150	3000	2000	3005	1405	1600	20	500	1,423	5,770	8,958
Pass020/060-4000	20 / 60	4000	2000	3155	1205	1950	20	300	1,426	6,040	9,228
Pass020/100-4000	20 / 100	4000	2000	3255	1305	1950	20	400	1,426	6,250	9,438
Pass020/200-4000	20 / 200	4000	2000	3355	1405	1950	20	500	1,423	6,470	9,658
Pass030/300-3000	30 / 300	3000	2000	3255	1305	1950	20	500	1,100		
Pass040/400-4000	40 / 400	4000	2500	3355	1405	1950	20	600	1,718		

- The self-closing mechanism is – unless otherwise requested – tared for a density of 0.90 g/cm³ on the part of the light liquid to be separated.
- Model with PE inliner available on request
- **The non-wearing coalescence insert can be removed for maintenance and re-inserted without emptying the separator.**
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 160 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Webcode **M5548**





Mall NeutraCheck sampling shaft

as a component for a separating plant, 160 mm slope drop

A sampling shaft is to be installed immediately downstream of a separator unit as per abZ/aBG.

It is possible to take a water sample from the flowing wastewater with a standard bottle (1000 ml) without suction, pumping or siphoning processes.

Order number class D 400	Nominal size DN	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Heaviest single weight kg	Total weight kg
Check 150	150	1000	1060	750	310	1,220	1,910
Check 200	200	1000	1110	800	310	1,280	1,970
Check 250	250	1000	1160	850	310	1,350	2,040
Check 300	300	1000	1210	900	310	1,420	2,110
Check 400	400	1000	1260	950	310	1,490	2,180

P Model with cover plate

Check 150 K	150	1000	1460	1150	310	1,220	2,000
Check 200 K	200	1000	1510	1200	310	1,280	2,060
Check 250 K	250	1000	1560	1250	310	1,350	2,130
Check 300 K	300	1000	1610	1300	310	1,420	2,200
Check 400 K	400	1000	1660	1350	310	1,490	2,270

P Model with hollow form and cover plate: Inlet and outlet gradient 40 mm

Check recess 150	150	1000	1060	750	310	1,220	1,750
Check recess 200	200	1000	1110	800	310	1,280	1,810
Check recess 250	250	1000	1160	850	310	1,350	1,890
Check recess 300	300	1000	1210	900	310	1,420	1,950
Check recess 400	400	1000	1260	950	310	1,490	2,180

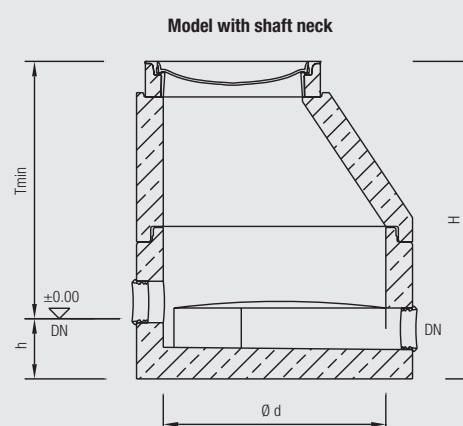
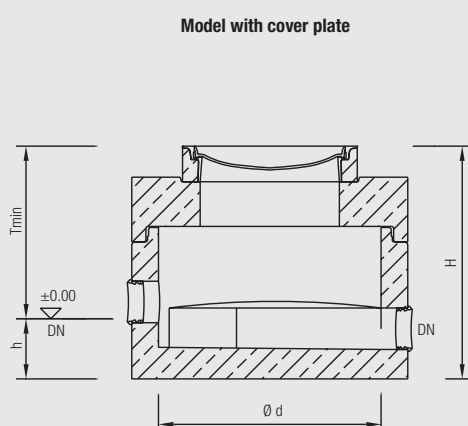
P Model with hollow form and shaft neck: Inlet and outlet gradient 40 mm

Check recess 150 K	150	1000	1460	1150	310	1,220	2,000
Check recess 200 K	200	1000	1510	1200	310	1,280	2,060
Check recess 250 K	250	1000	1560	1250	310	1,350	2,130
Check recess 300 K	300	1000	1610	1300	310	1,420	2,200
Check recess 400 K	400	1000	1660	1350	310	1,490	2,220

- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm, weight according to the respective covers.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.
- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.

Options

- Manually operated slider
- Bends
- Backwater protection
- 2nd inlet

 Webcode **M5566**


Mall warning device NeutraStop OAC

for separator systems according to DIN EN 858 / DIN 1999-100
and ABKW separators



Animation at:
www.mall.info/tv

Order number

NeutraStop type OAC with visual and audible signal indicator (dimensions: width = 20 cm, height = 16 cm)

780001

- Automatic warning device with acoustic and visual signal for separator systems according to DIN EN 858 / DIN 1999-100 and ABKW separators
- IP65 version, 230 V 50 Hz
- Monitoring electronics for the evaluation of two sensor pairs
- Light liquid sensor for signalling before a defined light liquid layer thickness is reached
- Level monitor for monitoring the liquid level in the separator system
- Display unit with message memory for up to 400 messages with date and time
- With EC type-examination certificates and declarations of conformity
- Mounting material incl. cable sleeve
- With four potential-free relay outputs for connection to an external signalling device
- Reminder function for self-inspection / maintenance work and general inspections
- USB interface for passive USB devices (USB stick) for data transfer
- Incl. 30 m sensor connection cable braided shield with blue outer sheath resistant to petrol and mineral oil 2 x 0.5 mm² and 30 m potential equalisation cable H07V K 1 x 6 mm²

NeutraStop wall feed-through system (cable feed-through)

Order number

Mineral oil-resistant and gas-tight feed-through system through the wall of the reinforced concrete basin, with seal for DN 100 plastic empty pipe, incl. press seals for sensor connection and potential equalisation cable, factory-fitted

703004

Webcode **M9002**

Display unit



Cable feed-through



Options and additions for NeutraStop

	Order number
■ Sludge sensor for detecting and signalling a defined sludge layer thickness	613583
■ Extension package for monitoring a second separator system	
■ Light liquid sensor for signalling a defined light liquid layer thickness	
■ Level monitor for monitoring the liquid level in the separator system	
■ Including cable sleeve and fastening material	704501
■ Float unit for the light liquid sensor with changing liquid level	600817
■ Outdoor cabinet for installation outside the building or outdoors with integrated NeutraStop OAC warning device – additional acoustic and visual signal display. Wiring of the possible relays and signal display individually on site. H/B/T 1460/310/207	218154
■ NeutraSun mall warning device (solar-powered) with NeutraStop OAC mall warning device	780005

For installation and commissioning, see chapter 10

Mall warning device NeutraStop OAC

Webcode **M5598** 

for grease separator systems according to DIN EN 1825 / DIN 4040-100

- Automatic warning device with visual and acoustic signal display for grease separator systems in accordance with DIN EN 1825 and DIN 4040-100
- Grease on water sensor for signalling before the maximum grease layer thickness is reached
- Incl. 30 m sensor connection cable braided shield with blue outer sheath resistant to petrol and mineral oil 2 x 0.5 mm² and 30 m potential equalisation cable H07V K 1 x 6 mm²

NeutraStop type OAC	780004
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Spare parts service

Mall supplies and installs original spare parts for Zeiss, Zeiss-Neutra and Buderus old systems.
The original documents for these systems are available in our company. This ensures that you receive the appropriate original parts.

Sludge sensor



Level
monitor

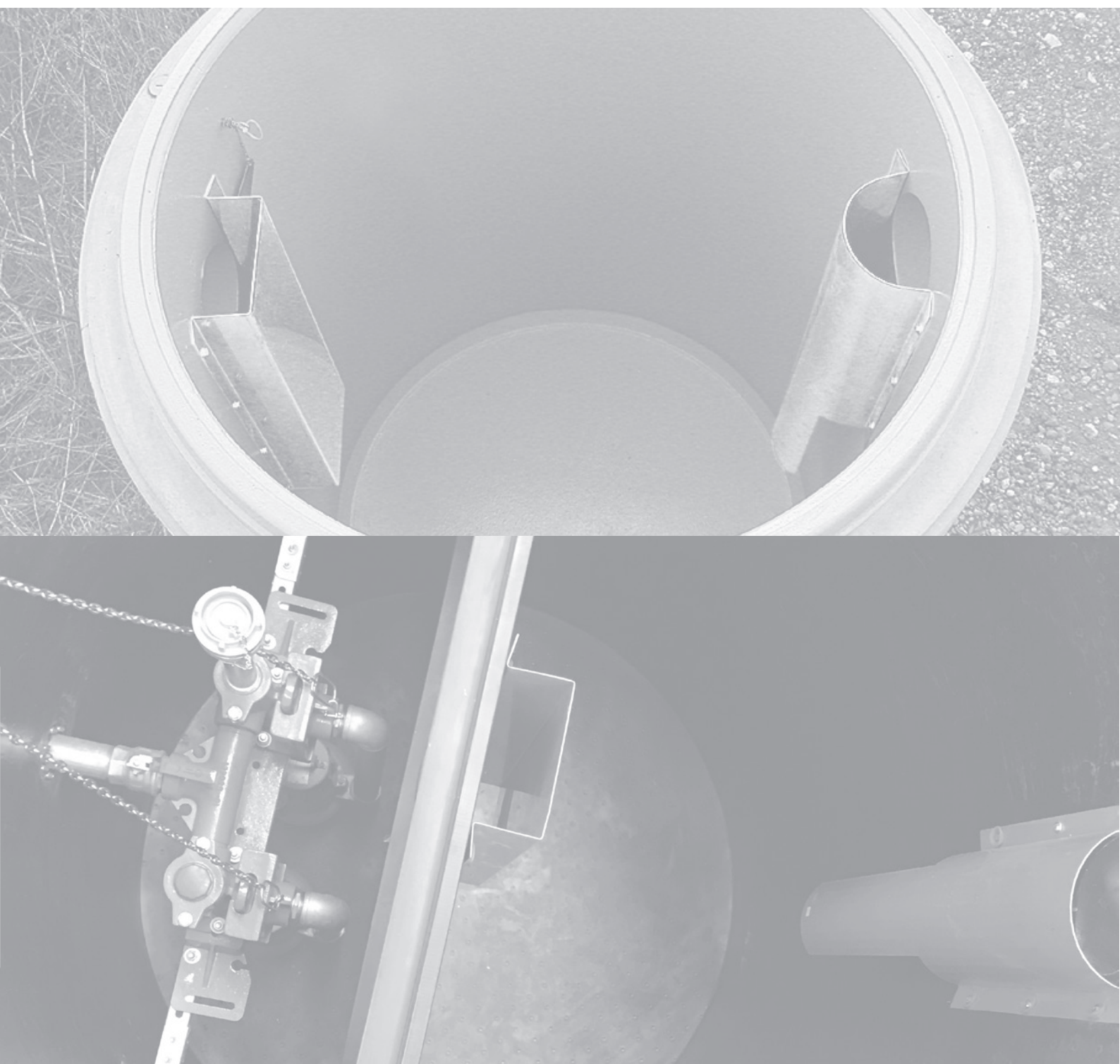


Light liquid
sensor



Grease separating plants
as per DIN EN 1825

Reinforced concrete underground installation
Plastic free-standing installation



Mall grease separator with integrated NeutraTip sludge trap

as per DIN EN 1825,
with standard-compliant internal coating



Order number class D 400	Nominal size	Sludge trap volume	Inner Ø	Total depth	Inlet depth D _{min}	Height	Nominal size	Grease storage capacity	Heaviest single weight	Total weight
	NS	I	d mm	TD mm	D _{min} mm	h mm	DN	l	kg	kg
[S F] Model with cover plate										
Tip 2-200	2	200	1000	1730	700	1030	150	166	1,700	2,420
Tip 2-400	2	400	1000	1930	700	1230	150	166	1,910	2,630
Tip 4-400	4	400	1000	2130	700	1430	150	166	2,120	2,840
Tip 4-800	4	800	1200	2130	700	1430	150	242	2,570	3,570
Tip 7-700	7	700	1200	2380	700	1680	150	283	2,880	3,880
Tip 7-1400	7	1400	1500	2280	700	1580	150	449	4,280	5,750
Tip 10-1000	10	1000	1500	2180	700	1480	150	411	4,080	5,550
Tip 10-2000	10	2000	1500	2780	700	2080	150	411	5,250	6,685
Tip 15-1500	15	1500	2000	2475	1005	1470	200	802	4,830	7,020
Tip 15-3000	15	3000	2000	2975	1005	1970	200	802	5,830	8,020
Tip 20-2000	20	2000	2000	2725	1005	1720	200	802	5,330	7,520
Tip 20-4000	20	4000	2000	3275	1005	2270	200	802	6,430	8,620
Tip 25-2500	25	2500	2000	3275	1005	2270	200	1029	6,430	8,620
Tip 25-5000	25	5000	2500	3275	1005	2070	200	1270	7,820	11,100
Tip 30-3000	30	3000	2500	2925	1055	1870	250	1213	7,450	10,730

[S F] Model with shaft neck

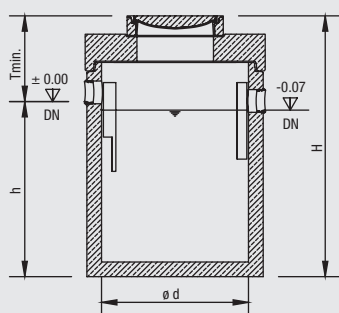
Tip 2-200 K	2	200	1000	2130	1100	1030	150	166	1,700	2,510
Tip 2-400 K	2	400	1000	2330	1100	1230	150	166	1,910	2,720
Tip 4-400 K	4	400	1000	2530	1100	1430	150	166	2,120	2,930
Tip 4-800 K	4	800	1200	2530	1100	1430	150	242	2,570	3,650
Tip 7-700 K	7	700	1200	2780	1100	1680	150	283	2,880	3,960
Tip 7-1400 K	7	1400	1500	2680	1100	1580	150	449	4,280	5,555
Tip 10-1000 K	10	1000	1500	2580	1100	1480	150	411	4,080	5,365
Tip 10-2000 K	10	2000	1500	3180	1100	2080	150	411	5,250	6,535
Tip 15-1500 K	15	1500	2000	2595	1125	1470	200	802	4,830	6,410
Tip 15-3000 K	15	3000	2000	3095	1125	1970	200	802	5,830	7,410
Tip 20-2000 K	20	2000	2000	2845	1125	1720	200	802	5,330	6,910
Tip 20-4000 K	20	4000	2000	3395	1125	2270	200	802	6,430	8,010
Tip 25-2500 K	25	2500	2000	3395	1125	2270	200	1029	6,430	8,010
Tip 25-5000 K	25	5000	2500	3195	1125	2070	200	1270	7,820	9,810
Tip 30-3000 K	30	3000	2500	3045	1175	1870	250	1213	7,450	9,440

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

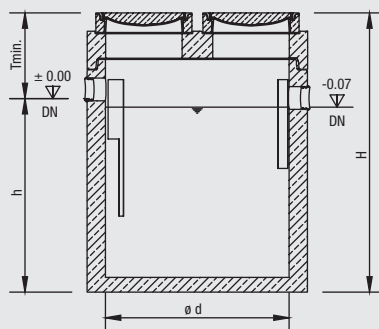
For standard-compliant sampling shafts, see page 40.

Webcode **M5575**

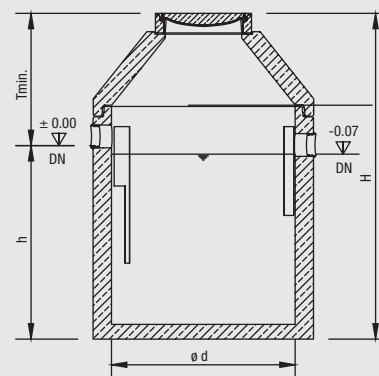
**Model with cover plate
and opening for Ø 1000 – Ø 1200**



**Model with cover plate
and two openings from Ø 1500**



Model with shaft neck



Mall grease separator with integrated NeutraTip sludge trap

as per DIN EN 1825,
model with PE inliner



Order number class D 400	Nominal size NS	Sludge trap volume I	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Nominal size DN	Grease storage capacity I	Heaviest single weight kg	Total weight kg
[S F] Model with cover plate										
Tip 2-200IN	2	200	1000	1730	700	1030	150	166	1,700	2,420
Tip 2-400IN	2	400	1000	1930	700	1230	150	166	1,910	2,630
Tip 4-400IN	4	400	1000	2130	700	1430	150	166	2,120	2,840
Tip 4-800IN	4	800	1200	2130	700	1430	150	242	2,570	3,570
Tip 7-700IN	7	700	1200	2380	700	1680	150	283	2,880	3,880
Tip 7-1400IN	7	1400	1500	2280	700	1580	150	449	4,280	5,750
Tip 10-1000IN	10	1000	1500	2180	700	1480	150	411	4,080	5,550
Tip 10-2000IN	10	2000	1500	2780	700	2080	150	411	5,250	6,720
Tip 15-1500IN	15	1500	2000	2475	1005	1470	200	802	4,830	7,300
Tip 15-3000IN	15	3000	2000	2975	1005	1970	200	802	5,830	8,300
Tip 20-2000IN	20	2000	2000	2725	1005	1720	200	802	5,330	7,800
Tip 20-4000IN	20	4000	2000	3275	1005	2270	200	802	6,430	8,900
Tip 25-2500IN	25	2500	2000	3275	1005	2270	200	1029	6,430	8,900
Tip 25-5000IN	25	5000	2500	3075	1005	2070	200	1270	7,820	11,340
Tip 30-3000IN	30	3000	2500	2925	1055	1870	250	1213	7,450	10,970

[S F] Model with shaft neck

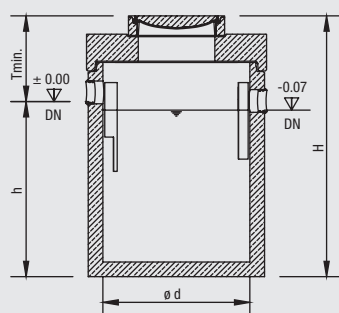
Tip 2-200IN K	2	200	1000	2130	1100	1030	150	166	1,700	2,500
Tip 2-400IN K	2	400	1000	2330	1100	1230	150	166	1,910	2,720
Tip 4-400IN K	4	400	1000	2530	1100	1430	150	166	2,120	2,930
Tip 4-800IN K	4	800	1200	2530	1100	1430	150	242	2,570	3,650
Tip 7-700IN K	7	700	1200	2780	1100	1680	150	283	2,880	3,960
Tip 7-1400IN K	7	1400	1500	2680	1100	1580	150	449	4,280	5,780
Tip 10-1000IN K	10	1000	1500	2580	1100	1480	150	411	4,080	5,580
Tip 10-2000IN K	10	2000	1500	3180	1100	2080	150	411	5,250	6,750
Tip 15-1500IN K	15	1500	2000	2595	1125	1470	200	802	4,830	6,410
Tip 15-3000IN K	15	3000	2000	3095	1125	1970	200	802	5,830	7,410
Tip 20-2000IN K	20	2000	2000	2845	1125	1720	200	802	5,330	6,910
Tip 20-4000IN K	20	4000	2000	3395	1125	2270	200	802	6,430	8,010
Tip 25-2500IN K	25	2500	2000	3395	1125	2270	200	1029	6,430	8,010
Tip 25-5000IN K	25	5000	2500	3195	1125	2070	200	1270	7,820	9,810
Tip 30-3000IN K	30	3000	2500	3045	1175	1870	250	1213	7,450	9,440

- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm and the total weight by 80 kg.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

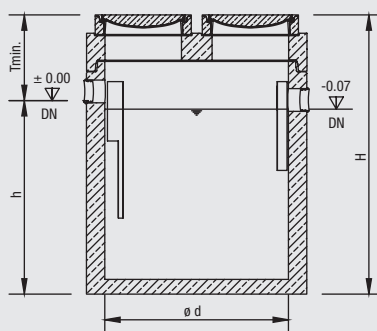
For standard-compliant sampling shafts, see page 40.

Webcode **M5575**

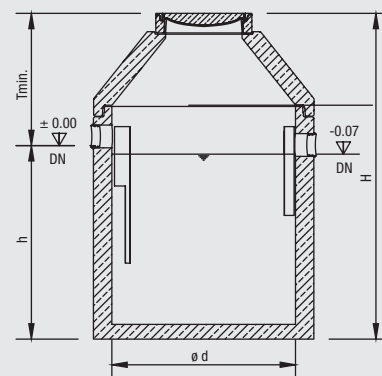
**Model with cover plate
and opening for Ø 1000 – Ø 1200**



**Model with cover plate
and two openings from Ø 1500**



Model with shaft neck



Mall NeutraCheck sampling shaft

For upstream separating plant, 160 mm slope drop

A sampling shaft is to be installed immediately downstream of the separator as per DIN 4040-100.

It is possible to take a water sample from the flowing wastewater with a standard bottle (1000 ml) without suction, pumping or siphoning processes. Thus, the analysis values of the discharged wastewater are meaningful and representative.



Order number class D 400	Nominal size DN	Inner Ø d mm	Total depth TD mm	Inlet depth D _{min} mm	Height h mm	Heaviest single weight kg	Total weight kg
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P Model with cover plate

Check-F 150	150	1000	1060	750	310	1,220	1,940
Check-F 200	200	1000	1110	800	310	1,280	2,000
Check-F 250	250	1000	1160	850	310	1,350	2,070

P Model with shaft neck

Check-F 150 K	150	1000	1460	1150	310	1,220	2,000
Check-F 200 K	200	1000	1510	1200	310	1,280	2,060
Check-F 250 K	250	1000	1560	1250	310	1,350	2,130

P Model with hollow form and cover plate: Inlet and outlet gradient 40 mm

Check-F recess 150	150	1000	1060	750	310	1,220	1,940
Check-F recess 200	200	1000	1110	800	310	1,280	2,000
Check-F recess 250	250	1000	1160	850	310	1,350	2,070

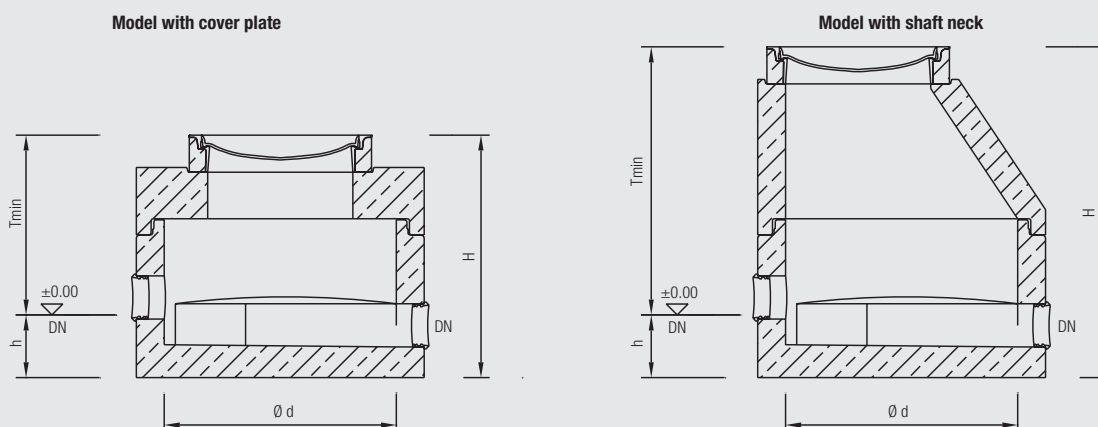
P Model with hollow form and shaft neck: Inlet and outlet gradient 40 mm

Check-F recess 150 K	150	1000	1460	1150	310	1,220	2,000
Check-F recess 200 K	200	1000	1510	1200	310	1,280	2,060
Check-F recess 250 K	250	1000	1560	1250	310	1,350	2,130

- Concrete cover, sand/stench trap
- With trough and berm
- Factory-installed, resilient sealing elements compatible with plastic pipes (e.g. HDPE, PP) for the articulated pipe connection.
- Dimensions apply to class D 400 cover. With cl. B 125 cover, the inlet depth (D_{min}) and total depth (TD) are reduced by 35 mm, weight according to the respective covers.
- In order to increase the inlet depth (D_{min}), attachments as per DIN 4034-1 are available.

Options:

- Manually operated slider
- Screwed cover
- Bends
- Anti-flooding valve

 Webcode **M5530**


Mall grease separator system NeutraLux

Compact system with sludge trap, grease separator, sampling facility and double lifting unit in accordance with DIN EN 1825 / DIN 4040-100



- Four functional areas integrated in one container
- Nominal size determined in accordance with DIN EN 1825-1 (2004)
- Version with PE lining or with standardised internal coating on request
- Design DIN 4034-1, type-tested statics
- Integrated lifting system with explosion-proof submersible motor pumps as a submersible monobloc unit with equipment category 2G
- Delivery rate matched to the wastewater volume
- Stainless steel / cast steel pipework incl. shut-off valve and non-return valve mounted in the tank
- Including flush connection with Storz coupling C
- Pressure pipe ends approx. 200 mm outside the tank with a pipe coupling for pressure pipes PE-HD DN50 da63.
- Mall standard switching and control system for automatic pump operation
- Mains-independent alarm device with visual and audible alarm signal
- Level measurement with Ex-protected hydrostatic level probe with 30 m cable with device category 1G incl. Ex-protection barrier
- Choice of indoor or outdoor control cabinet

A LevaStop mall backflow loop is also required to guide the wastewater above the backflow level.

Order number KL. D 400	Nominal size NS	Sludge trap contents I	Inner Ø d mm	Total depth H mm	Inlet depth T _{min} mm	Height H mm	Nominal size DN	Grease storage capacity I	Heaviest single weight kg	Total weight kg
[S F P H] Version with cover plate										
Lux 2-200	2	200	1500	1830	700	1130	150	230	3.500	5.015
Lux 2-400	2	400	1500	2030	700	1330	150	230	3.890	5.410
Lux 4-400	4	400	2000	1830	660	1170	150	476	4.230	6.510
Lux 4-800	4	800	2000	2030	660	1370	150	476	4.620	6.900
Lux 7-700	7	700	2000	2180	660	1520	150	598	4.920	7.200
Lux 7-1400	7	1400	2000	2580	660	1920	150	598	5.720	8.000
Lux 10-1000	10	1000	2500	1980	660	1320	150	1040	5.960	9.350
Lux 10-2000	10	2000	2500	2280	660	1620	150	1040	6.700	10.090
Lux 15-1500	15	1500	3000	2505	1125	1380	200	1459	9.310	16.260
Lux 15-3000	15	3000	3000	2805	1125	1680	200	1459	10.430	17.380
Lux 20-2000	20	2000	3000	2705	1125	1580	200	1651	10.060	17.010
Lux 20-4000	20	4000	3000	3055	1125	1930	200	1651	11.360	18.320

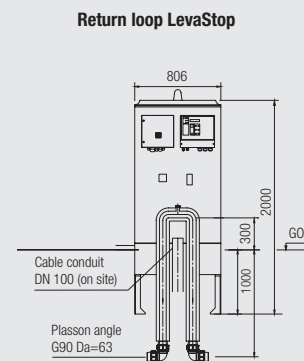
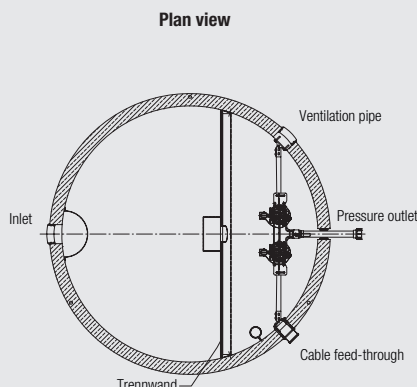
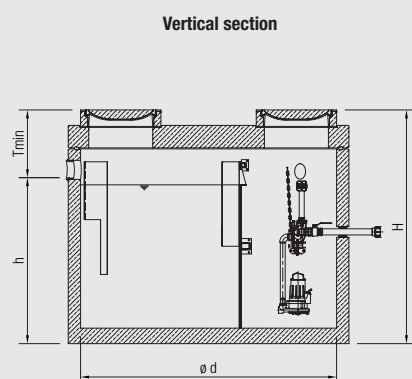
- Resistant sealing elements suitable for plastic pipes (e.g. PP, PE-HD) are installed at the factory for the articulated pipe connection.
- Dimensions valid for cover class D 400. With cover class B 125, the inlet depth (T_{min}) and total depth (H) are reduced by 35 mm, the total weight by 80 kg
- To increase the inlet depth (T_{min}), extension pieces according to DIN 4034-1 are available.

Mall return loop LevaStop

OPA900	Outdoor cabinet with alarm light to accommodate the PS1 / PS2 LCD switchgear and control unit up to 4 kW (switchgear already installed)
705755	Backwash loop LevaStop DN 50 (for PW downstream of grease separators) - version with pipe trace heating and control unit PS2 and OAC
OPA950	Design of the DN 50 backwash loop and the switching and control system in a combined outdoor cabinet
705746	Backflow loop DN 50 incl. pipe trace heating and connection nipple (external thread with blind cap)

Final assembly, commissioning and instruction of the operator by expert Mall service personnel (recommended for warranty reasons) see chapter 10

Maintenance contracts for regular maintenance (maintenance intervals according to DIN EN 12056: commercial systems ¼-yearly)





RAL quality certificate separating plants

All Mall separating plants are distinguished with the RAL quality certificate 693. Products that carry this quality certificate offer clients and specialist planners an excellent and reliable decision-making aid and furthermore represent a superior quality and safety standard. RAL certification is publically recognised and above all represents an independent assurance of quality.

Benefits of RAL quality assurance:

- Definition of additional quality criteria for drainage technology products that extend beyond normative regulations
- Type testing of products by a neutral body
- Stability certificates
- Own monitoring of manufacture and manufacturing checks
- External monitoring of products and production processes
- Continuous and regular monitoring of adherence to RAL quality provisions by a recognised, neutral body
- Supervisory reports that document adherence to these increased requirements
- Ongoing updates to technical and regulative standards
- Additional assurance for planners, installers and operators through consistent quality