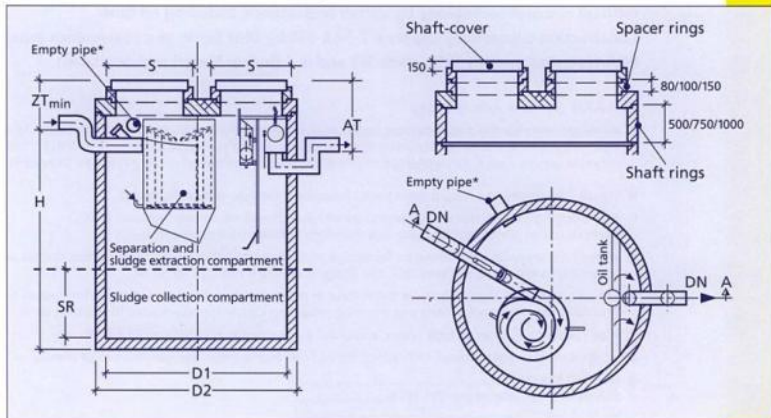


Vortex Separator AWAS GALAXIE 2002



separating

General Construction-Supervisory Approval
Number: Z-54.8-290 issued by the DIBt, Berlin



* We recommend that, for possible later installation of an alarm system, the plans should include an empty pipe.

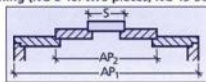
AWAS GALAXIE 2002 Vortex Separator as per DIN 1999/EN 858

Nominal size (NG) l/s	3-6	3-6	3-6	3-6	8-10	8-10	15-20	15-20	30	30	30
Sludge trap as per DIN, l approx.	2800	4600	5000	6000	5000	7400	7400	11500	7000	10500	14000
Sludge collection comp. (V _{SR}), l approx.	1410	2300	2470	3000	2430	3690	3700	5670	3530	5280	7050
Oil tank (V _{OT}), l approx.	270	270	270	270	450	450	460	460	450	450	450
In-/outflow HDPE, nominal width (DN)	150	150	150	150	150	150	200	200	250	250	250
Dimensions, mm approx.											
Internal diameter (D ₁)	1500	1500	1500	1500	2000	2000	2500	2500	3000	3000	3000
External diameter (D ₂)	1740	1740	1740	1740	2240	2240	2740	2740	3300	3300	3300
Height of min. inflow-depth (ZT _{min}) ^{*1}	800	800	800	800	550	550	680	680	710	710	710
Height of outflow depth (AT)	950	950	950	950	650	650	830	830	810	810	810
Height (H)	1920	2420	2520	2820	2400	2800	2270	2670	2390	2640	2890
Height of sludge collection comp. (SR)	800	1300	1400	1700	775	1175	755	1155	500	750	1000
Shaft-cover Ø (S) ^{*2}	800	800	800	800	2x800	2x800	2x800	2x800	2x800	2x800	2x800
Height of monolithic container	2100	2600	2700	3000	2600	3000	2600	3000	2750	3000	3250
Weight, kg approx.											
Heaviest single weight	4000	4700	4900	5400	7000	8000	7500	9300	12000	12700	14900
Components											
Monolithic container (optionally with HDPE inliner)	Material Reinforced concrete as per DIN 4281 and 1045, Internal coating resistant to light liquids										

^{*1} The inflow depth (ZT) can be varied by means of various shaft rings and spacer rings (see the above drawing).

^{*2} Nominal sizes 8-30 are provided with one cover-plate per shaft opening (NG 8-10: two pieces; NG 15-30: three pieces). In the case of nominal sizes 3-6, two coverplates plus one shaft-cover are necessary (see the drawing on the right):

- 1st cover-plate Ø (AP₁) 1200/1500 mm
2nd cover-plate Ø (AP₂) 800/1200 mm



Technical Data · GALAXIE 2002



Vortex Separator AWAS GALAXIE 2002

Coalescence separator for light liquids, made of monolithic reinforced concrete and intended for simultaneous separation of solids and light liquids with simultaneous coalescence effect while still in the inflow before the sludge trap by vortex spiral flow with oil removal technology by vortex coalescence, including oil tank

Construction-supervisory approval Z-54.8-290 by DIBt Berlin as a coalescence separator LGA-tested as per DIN 1999, Parts 1-3 and 4-6 (below 5 mg/l hydrocarbons)

GALAXIE-System Advantages

- All components (sludge trap, separator, coalescence stage, sampler and oil tank) in a single structure in the form of a seamless, round reinforced concrete container poured in a single piece as per DIN 4281, DIN 1045, concrete quality class B 45; reinforced to prevent cracks, with internal coating resistant to light liquids
- Vortex device made of coated sheet metal (oleophobic outside, oleophilic inside)
- Non-clogging coalescence energy-processes with backflow-free passage without filters, fillers or screen plates; self-cleaning and therefore almost maintenance-free
- Tested high separation performance for sludge particles while still in the vortex separator system so that, according to the approval certificate, the sludge trap size is reduced by 50 %
- The oil is automatically sucked from the surface of the vortex device and passed to the integrated oil tank, thus reducing the disposal costs and ensuring maximum cleaning performance in the long term
- High reliability in cases of high water, and proof against sewer backflow up to 1.20 m
- Integrated, two-sided closure technology for oil tank and outflow, independent of oil density
- Nominal size (NS): _____ l/s
Sludge trap-capacity as per DIN 1999: _____ l
Oil tank capacity _____ l
- NS 3-6 l/s HDPE-inflow/outflow connections DN 150
NS 8-10 l/s HDPE-inflow/outflow connections DN 150
NS 15-20 l/s HDPE-inflow/outflow connections DN 200
NS 30 l/s HDPE-inflow/outflow connections DN 250
- Minimum inflow-depth (ZT_{min}) from terrain surface to inflow-floor: _____ mm
Desired inflow-depth (ZT): _____ mm
Total height overall: _____ mm
External diameter of shaft: _____ mm
Heaviest single weight: _____ kg
- Shaft rings made of reinforced concrete as per DIN 4034-1, reinforced for heavy truck 30/60, with _____ openings
1 poured concrete shaft-cover Class _____ kN, Ø 800
2 poured concrete shaft-covers Class _____ kN, Ø 800/Ø 800
3 poured concrete shaft-covers Class _____ kN, Ø 800/Ø 800/Ø 600
- Ex AWAS factory · 57234 Wilnsdorf, Germany
Telephone: +49 2737 98 50 0 · Fax +49 2737 / 98 50 50 EUR _____

Options

- Complete installation, incl. transfer of system from truck to pit by the AWAS company, including providing a crane for telescopic movement from centre of live ring to centre of pit _____ m and heaviest single weight of _____ t EUR _____
- Maintenance agreement EUR _____
- Putting into operation/introductory training EUR _____

Equipment Options

- HDPE inliner with 10-year durability warranty for internal wall EUR _____
- GRP container or HDPE container as per EN 858 EUR _____
- Inflow closure device, depending on water level EUR _____
- Alarm system for AWAS-Öltank-Pneum EUR _____
- Sewer cover lifting device EUR _____
- Maintenance kit contained in a case EUR _____