Application

MultiStream-pumps are suitable for handling effluent or sewage in municipal and industrial pumping stations as well as in surface water drainage applications. The smaller types are also used very successfully as portable units to deal with emergency situations.

- **The sewage pumps UAK** are suitable for handling sewage water without faeces.
- In hazardous locations or in case the pumps are connected to the public sewerage we recommend our **explosion-proof sewage pumps UFK.**

The adjustable axial gap of the MultiStream-pump makes it possible to re-optimize the efficiency in case of abrasion by adjusting only one single screw. This can be done very cost-effective when the maintenance is carried out and the pump keeps its optimum performance on a long-term basis.

MultiStream-pumps are recommended for:
- effluent which contains fibrous matter
- effluent which contains solids
- mixed water
- raw effluent
- raw sludge
- rainwater



Technical data

Pump
Vertical, single-stage, submersible, pump case with horizontal discharge, single channel impeller and short shaft extension. This provides a longer service life for the ball bearings and the mechanical seal
Bearings
Common shaft for pump and motor, deep groove and inclined ball bearings, grease-packed
Seal
Silicon carbide mechanical seal independent of sense of rotation, oil chamber and artificial carbon mechanical seal or rather SiC mechanical seal (or duplex rotary shaft seal up to size 35) as secondary seal, safe to run dry
Motor
Submersible, enclosure IP68, activation through special purpose plug or control unit, protected by winding thermostats, UFK types tested by PTB (German tech. inspection authority), type of protection Ⓔx II 2 G EEx d IIB T4
Materials
Pump, motor case and impeller in GG grey cast iron (single channel impeller with n = 2800 min^{-1} from size 55/2 in spheroidal graphite iron GGG), corrosion protected shaft (no contact with pumped liquid), flexible rubber sheated cable
Installation
Install pump vertically with guide rail system or pump base. Flange coupling according to DIN, coupling size B or hose tail bend up to 3'' possible.
Scope of Supply
Pump acc. to EN 12050 with 10 m cable without plug, without pump base:
a) as sewage pump UAK
b) as explosion-proof sewage pump UFK

Adjustable single-channel impeller

Connection alternatively for PN 6 or PN 10

Safe to run dry

Controllable oil chamber

Plug type cable connection
(UAK/UFK 10...-100...)

SiC mechanical seal independent of sense of rotation

Moisture sealed cable inlet

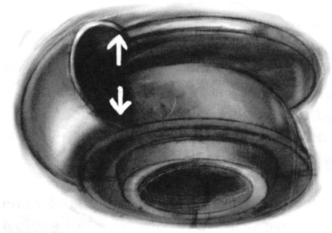
Built-in motor protection

Z-53.2-339 **(UFK)**

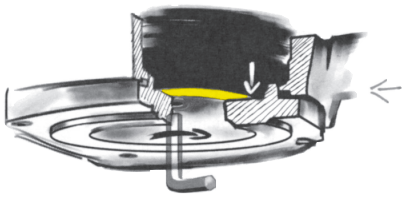
Adjustable axial gap

By an optimum flow guide twining is reduced and a constant performance is reached.

A free passage of 100 mm takes additionally care of a reliable operation.



At the maintenance you have the opportunity to adjust the gap between impeller and wear plate or rather spiral housing with a central screw to optimize the effectiveness of our MultiStream-pumps for a long period of time.



This leads to an enormous reduction of proneness to tangle. Should there still deposit any solids in the gap the grooves on the wear plate take care of the transportation and minimize the risk of twining moreover.



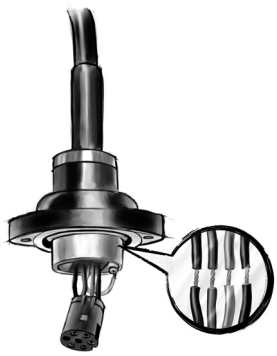
Flushing tube

Especially in connection with sumps adjusted by customers, where the formation of the collecting tank is not always ideal, a flushing tube offers the facility to reduce deposits at the sump wall and the formation of surface scums. The flushing tube is mounted instead of the ventilation screw. The special arrangement prevents the flushing tube from blocking and increases the operational reliability.

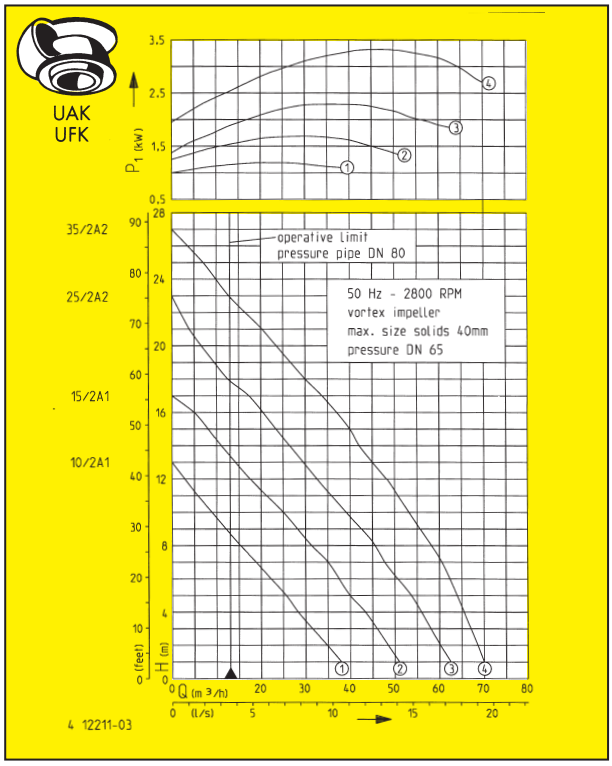


Moisture sealed cable inlet

To protect the motorcasing from water intake through the power cable the separate cores are bared and spilled with a special casting resin. Only this expensive method guarantees a lasting moisture consistency.



DN 65 n = 2800 min^{-1}



The minimum flow rate in the pressure pipe of v = 0,7 m/s is marked in the Q-H-diagram (operative limit).

We reserve the right to change specifications without notice.
Pump performance is subject to ISO 9906 tolerances.

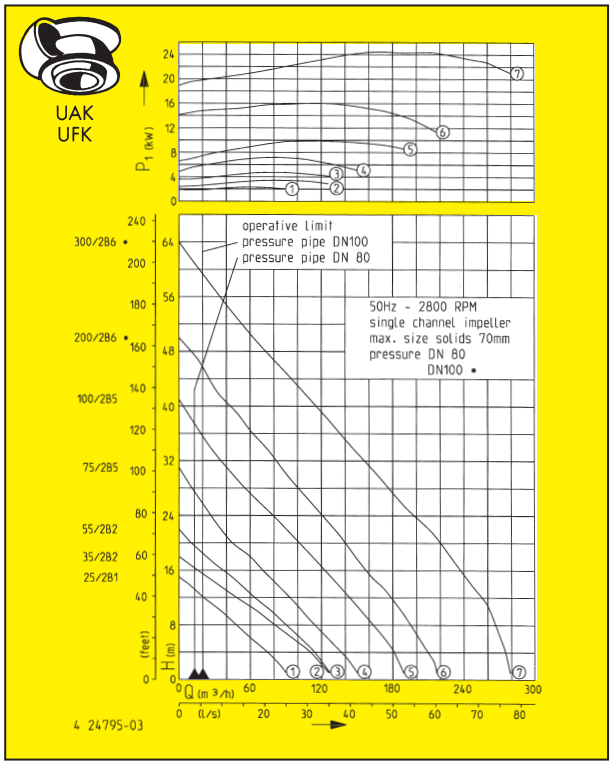
Types UAK/UFK	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	Delivery head H [m]
10/2 A1	38	35	32	29	26	22	19	15	12	9								Flow rate Q [m³/h]
15/2 A1	50	48	46	43	40	37	35	32	28	25	18	11	5					
25/2 A2	62	60	58	56	54	51	48	46	42	39	33	27	20	13	7			
35/2 A2	70	69	67	66	64	63	61	58	56	53	48	43	37	30	24	16	10	

Technical data

Types	Current	Voltage (50 Hz) Volt	Max. Motor Rating (kW) P_1	P_2	S3 (%) Operation Emerged Motor	Max. Current Ampere	RPM min^{-1}	Cable (10 m) H07RN-F-	Fuse-min.	Discharge branch PN 6/10	Max. Solid Size (mm)	Weight ca. kg
10/2 A1	3-phase	3x230/400	1,30	1,10	60	4,6/2,7	2943	° 6 G 1,5	10 A	DN 65	40	41
15/2 A1	3-phase	3x230/400	1,80	1,50	50	5,7/3,3	2910	° 6 G 1,5	10 A	DN 65	40	42
25/2 A2	3-phase	3x230/400	2,60	2,10	40	7,6/4,4	2860	° 6 G 1,5	10 A	DN 65	40	48
35/2 A2	3-phase	3x230/400	3,70	3,04	40	11,5/6,6	2895	° 6 G 1,5	10 A	DN 65	40	52

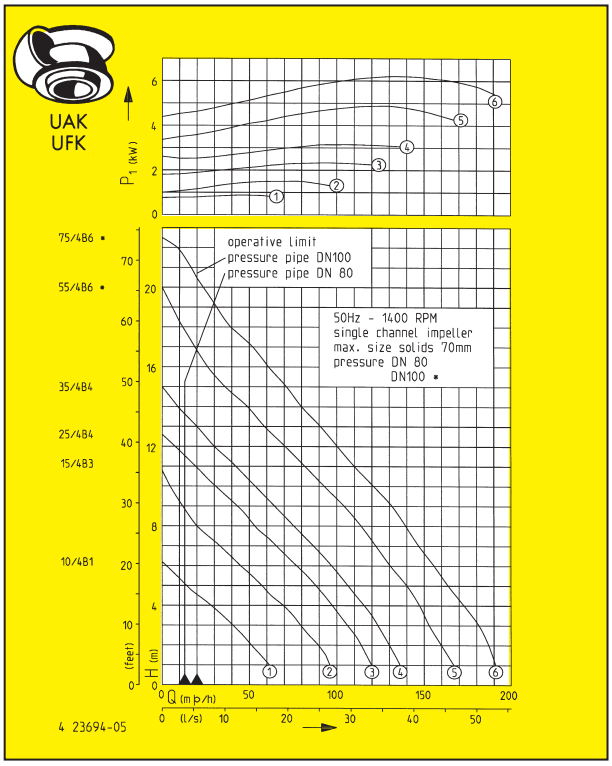
° plug-in

DN 80/DN 100 n = 2800 min^{-1}



The minimum flow rate in the pressure pipe of v = 0,7 m/s is marked in the Q-H-diagram (operative limit).

DN 80/DN 100 n = 1400 min^{-1}



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 tolerances.

Types UAK/UFK	1	3	6	9	12	15	18	21	24	27	30	33	36	40	43	46	50	53	56	60	Delivery head H [m]
25/2 B1	91	80	62	43	21																Flow rate Q [m³/h]
35/2 B2	126	117	97	73	49	23															
55/2 B2	127	118	103	85	65	44	24	6													
75/2 B5	150	142	126	110	93	77	59	42	27	15											
100/2 B5	190	184	173	159	144	129	113	97	78	63	46	32	18								
200/2 B6	217	215	204	191	177	162	149	136	120	104	91	77	62	43	28	19					
300/2 B6	280	277	270	263	254	242	229	216	199	183	167	152	136	113	100	84	63	49	34	17	

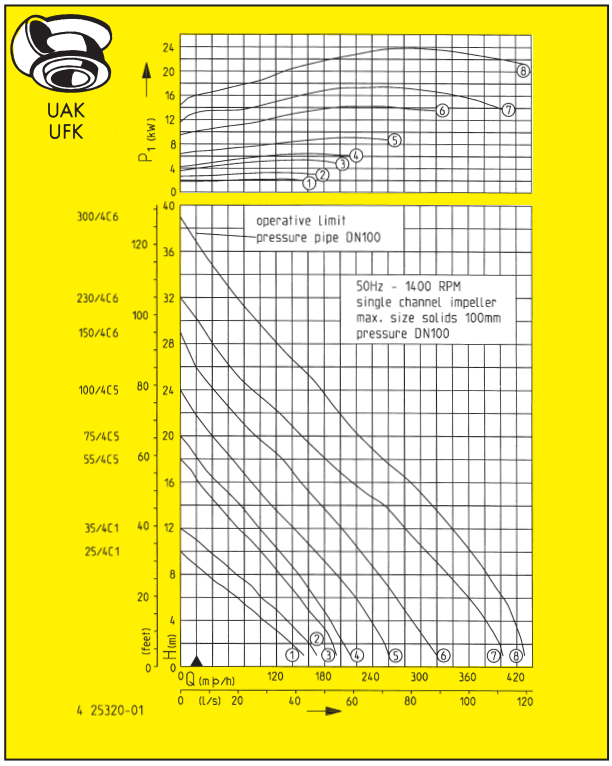
Types UAK/UFK	1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18	20	Delivery head H [m]
10/4 B1	60	51	40	28	14	3													Flow rate Q [m³/h]
15/4 B3	98	89	79	69	57	45	33	20	12	5									
25/4 B4	120	114	106	97	87	77	65	53	43	31	19								
35/4 B4	132	125	119	112	104	95	85	74	64	53	43	30	10						
55/4 B6	167	160	154	147	140	132	123	114	104	93	82	72	49	39	28	19	12		
75/4 B6	191	188	181	173	163	157	149	141	131	122	113	104	82	73	62	52	41	24	

Technical data

Types	Current	Voltage (50 Hz) Volt	Max. Motor Rating (kW) P_1	P_2	S3 (%) Operation Emerged Motor	Max. Current Ampere	RPM min^{-1}	Cable (10 m) H07RN-F-	Fuse- min.	Discharge branch PN 6/10	Max. Solid Size (mm)	Weight ca. kg
25/2 B1	3-phase	3x230/400	2,60	2,10	40	7,6/ 4,4	2860	° 6 G 1,5	10 A	DN 80	70	45
35/2 B2	3-phase	3x230/400	3,70	3,04	40	11,5/ 6,6	2895	° 6 G 1,5	10 A	DN 80	70	55
55/2 B2	3-phase	3x400/690	5,20	4,45	40	8,7/ 5,0	2910	°10 G 2,5	*16 A	DN 80	70	88
75/2 B5	3-phase	3x400/690	7,70	6,60	30	13,2/ 7,7	2925	°10 G 2,5	*20 A	DN 80	70	98
100/2 B5	3-phase	3x400/690	10,50	9,20	30	17,6/10,2	2920	°10 G 2,5	*25 A	DN 80	70	121
200/2 B6	3-phase	3x400/690	17,30	15,40	45	28,8/16,7	2940	°10 G 2,5	*35 A	DN 100	70	212
300/2 B6	3-phase	3x400/690	27,00	24,45	35	43,0/24,7	2950	7G6+3x1	*50 A	DN 100	70	257
10/4 B1	3-phase	3x230/400	0,95	0,73	50	4,2/ 2,4	1466	° 6 G 1,5	10 A	DN 80	70	45
15/4 B3	3-phase	3x230/400	1,80	1,40	40	5,9/ 3,4	1426	° 6 G 1,5	10 A	DN 80	70	50
25/4 B4	3-phase	3x230/400	2,70	2,04	25	7,9/ 4,6	1376	° 6 G 1,5	10 A	DN 80	70	59
35/4 B4	3-phase	3x230/400	3,50	2,65	25	12,0/ 6,9	1424	° 6 G 1,5	10 A	DN 80	70	62
55/4 B6	3-phase	3x400/690	5,80	4,65	20	10,2/ 5,9	1430	°10 G 2,5	*16 A	DN 100	70	111
75/4 B6	3-phase	3x400/690	7,20	5,90	25	12,8/ 7,4	1432	°10 G 2,5	*20 A	DN 100	70	116

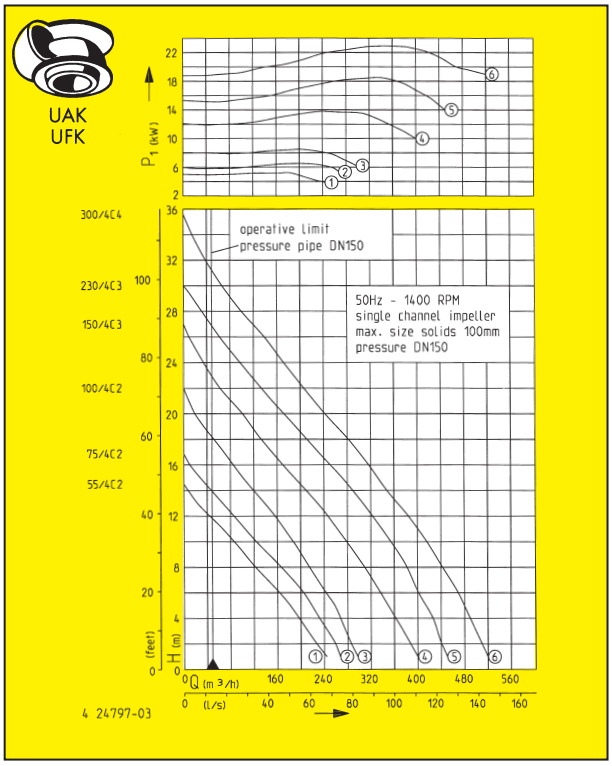
° plug-in * Value for Y/△-starting

DN 100 n = 1400 min^{-1}



The minimum flow rate in the pressure pipe of v = 0,7 m/s is marked in the Q-H-diagram (operative limit).

DN 150 n = 1400 min^{-1}



We reserve the right to change specifications without notice.
Pump performance is subject to ISO 9906 tolerances.

Types UAK/UFK	1	3	5	7	9	12	14	16	18	20	23	24	26	27	28	29	30	31	34	37	38	Delivery head H [m]
25/4 C1	154	122	87	51	16																	Flow rate Q [m³/h]
35/4 C1	170	146	119	89	54																	
55/4 C5	198	181	160	136	112	74	45	22														
75/4 C5	212	195	179	160	138	99	74	46	22													
100/4 C5	260	247	228	207	182	142	114	89	65	40	9											
150/4 C6	320	302	280	260	236	202	177	152	126	96	54	43	20	14	8							
230/4 C6	405	390	372	344	320	283	255	218	182	155	110	91	62	51	40	32	22	8				
300/4 C6	430	421	411	393	374	341	315	289	254	225	188	176	151	135	117	107	95	83	47	19	10	

Types UAK/UFK	1	3	5	7	9	11	13	15	17	19	20	21	24	25	27	29	30	31	33	34	Delivery head H [m]
55/4 C2	245	214	184	144	105	62	22														Flow rate Q [m³/h]
75/4 C2	270	245	216	185	146	105	64	26													
100/4 C2	300	278	258	229	202	167	130	96	65	33	18										
150/4 C3	400	373	349	325	295	263	227	192	150	116	100	81	34	21							
230/4 C3	455	434	415	394	369	338	308	272	231	191	172	153	98	80	45	17					
300/4 C4	520	500	478	455	426	399	364	334	298	263	242	223	172	157	118	83	66	51	26	15	

Technical data

Types	Current	Voltage (50 Hz) Volt	Max. Motor Rating (kW) P_1	P_2	S3 (%) Operation Emerged Motor	Max. Current Ampere	RPM min^{-1}	Cable (10 m) H07RN-F-	Fuse-min.	Discharge branch PN 6/10	Max. Solid Size (mm)	Weight ca. kg
25/4 C1	3-phase	3x230/400	2,40	1,90	30	7,3/ 4,2	1395	° 6 G 1,5	10 A	DN 100	100	63
35/4 C1	3-phase	3x230/400	3,50	2,65	25	12,0/ 6,9	1424	° 6 G 1,5	10 A	DN 100	100	67
55/4 C5	3-phase	3x400/690	5,80	4,65	20	10,2/ 5,9	1430	10 G 2,5	*16 A	DN 100	100	119
75/4 C5	3-phase	3x400/690	7,20	5,90	25	12,8/ 7,4	1432	10 G 2,5	*20 A	DN 100	100	124
100/4 C5	3-phase	3x400/690	9,50	7,94	25	17,2/10,0	1444	10 G 2,5	*25 A	DN 100	100	138
150/4 C6	3-phase	3x400/690	15,00	13,20	40	26,7/15,5	1466	10 G 2,5	*35 A	DN 100	100	247
230/4 C6	3-phase	3x400/690	19,30	17,00	35	34,1/19,8	1460	10 G 2,5	*35 A	DN 100	100	275
300/4 C6	3-phase	3x400/690	25,50	22,65	25	45,5/26,4	1460	7G6+3x1	*50 A	DN 100	100	296
55/4 C2	3-phase	3x400/690	5,80	4,65	20	10,2/ 5,9	1430	10 G 2,5	*16 A	DN 150	100	125
75/4 C2	3-phase	3x400/690	7,20	5,90	25	12,8/ 7,4	1432	10 G 2,5	*20 A	DN 150	100	131
100/4 C2	3-phase	3x400/690	9,50	7,94	25	17,2/10,0	1444	10 G 2,5	*25 A	DN 150	100	149
150/4 C3	3-phase	3x400/690	15,00	13,20	40	26,7/15,5	1466	10 G 2,5	*35 A	DN 150	100	268
230/4 C3	3-phase	3x400/690	19,30	17,00	35	34,1/19,8	1460	10 G 2,5	*35 A	DN 150	100	288
300/4 C4	3-phase	3x400/690	25,50	22,65	25	45,5/26,4	1460	7G6+3x1	*50 A	DN 150	100	308

° plug-in * Value for Y/△-starting

Application

MultiFree-pumps are suitable for handling effluent or sewage in municipal and industrial pumping stations as well as in surface water drainage applications. The smaller types are also used very successfully as portable units to deal with emergency situations.

- **The sewage pumps UAK** are suitable for handling sewage water without faeces.
- In hazardous locations or in case the pumps are connected to the public sewerage we recommend our **explosion-proof sewage pumps UFK.**

MultiFree-sewage pumps are recommended for:
- effluent which contains fibrous matter prone to matting
- effluent which contains solids
- abrasive effluent
- effluent which contains trapped air or gas
- mixed water
- raw effluent
- raw sludge
- surface water
- rainwater



Connection alternatively vor PN 6 or PN 10

Safe to run dry

Controllable oil chamber

Plug type cable connection
(UAK/UFK 10...-75...)

SiC mechanical seal independent of sense of rotation

Moisture sealed cable inlet

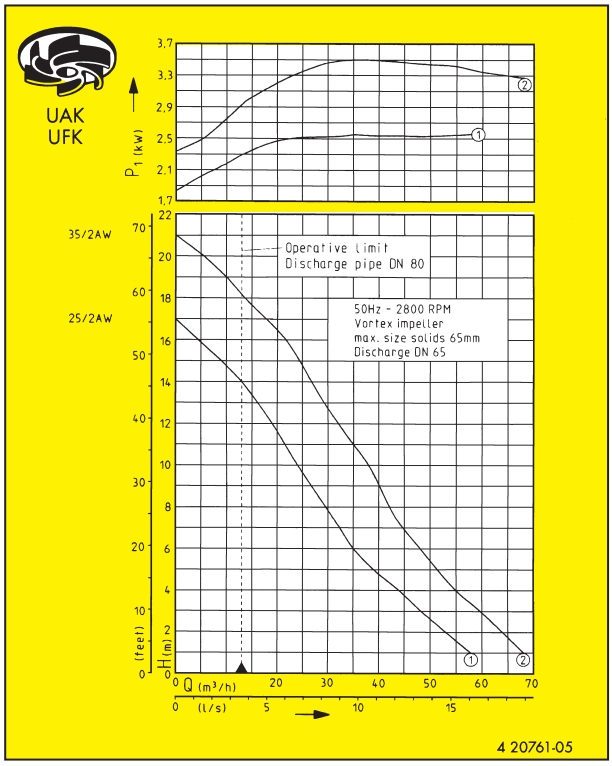
Built-in motor protection

Z-53.2-339 (UFK)

Technical data

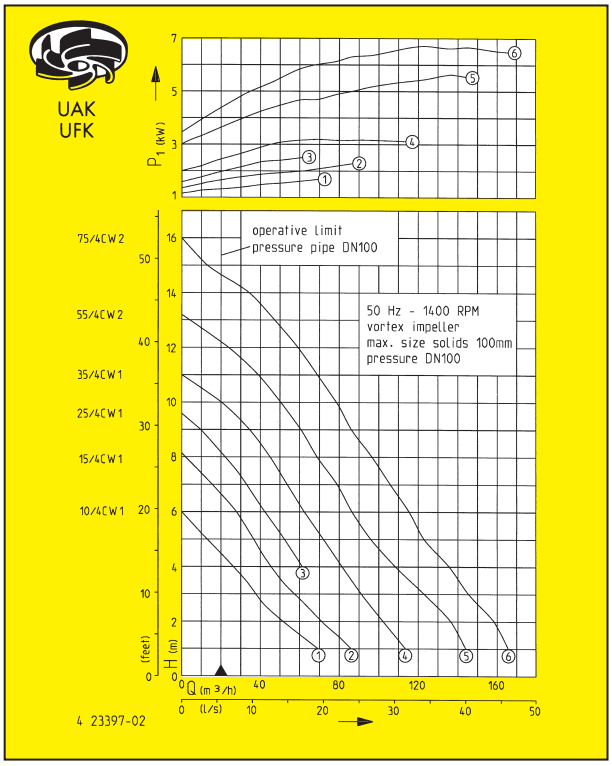
Pump
Vertical, single-stage, submersible, pump case with horizontal discharge, vortex impeller and short shaft extension. This provides a longer service life for the ball bearings and the mechanical seals
Bearings
Common shaft for pump and motor, deep groove and inclined ball bearings, grease-packed
Seal
Silicon carbide mechanical seal independent of sense of rotation, oil chamber and artificial carbon mechanical seal or rather SiC mechanical seal (or duplex rotary shaft seal up to size 35) as secondary seal, safe to run dry
Motor
Submersible, enclosure IP68, activation through special purpose plug or control unit, protected by winding thermostats, UFK types tested by PTB (German tech. inspection authority), type of protection Ⓔx II 2 G EEx d IIB T4
Materials
Pump, motor case and impeller in GG grey cast iron, corrosion protected shaft (no contact with pumped liquid), flexible rubber sheated cable
Installation
Install pump vertically with guide rail system or pump base. Flange coupling according to DIN, coupling size B or hose tail bend up to 3" possible
Scope of Supply
Pump acc. to EN 12050 with 10 m cable without plug, without pump base:
a) as sewage pump UAK
b) as explosion-proof sewage pump UFK

DN 65 n = 2800 min^{-1}



The minimum flow rate in the pressure pipe of v = 0,7 m/s is marked in the Q-H-diagram (operative limit).

DN 100 n = 1400 min^{-1}



We reserve the right to change specifications without notice.
Pump performance is subject to ISO 9906 tolerances.

Types UAK/UFK	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	Delivery head H [m]
25/2 AW	58	53	48	43	39	35	32	29	27	24	19	13	5			Flow rate Q [m³/h]
35/2 AW	68	63	60	56	51	48	45	42	39	37	32	27	22	14	5	
Types UAK/UFK	1	2	3	4	5	6	7	8	9	10	11	13	15			Delivery head H [m]
10/4 CW1	68	51	37	26	15											Flow rate Q [m³/h]
15/4 CW1	87	71	57	46	37	28	17									
25/4 CW1	–	–	–	61	53	42	32	23								
35/4 CW1	114	103	92	82	71	62	53	45	34	20						
55/4 CW2	150	136	123	109	98	87	78	69	60	51	41					
75/4 CW2	168	158	146	135	124	115	106	97	88	79	69	47	13			

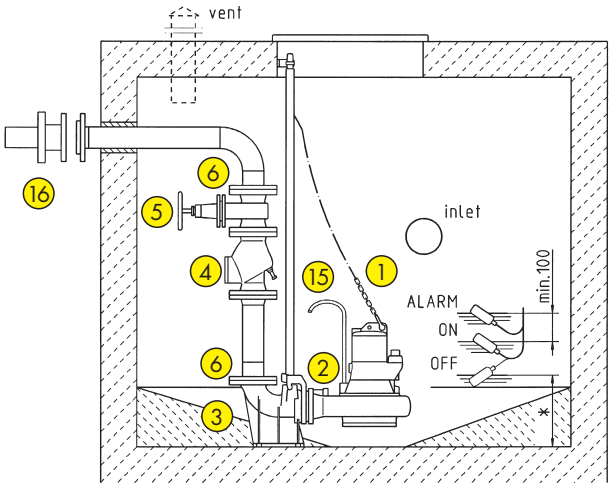
Technical data

Types	Current	Voltage (50 Hz) Volt	Max. Motor Rating (kW) P_1	P_2	S3 (%) Operation Emerged Motor	Max. Current Ampere	RPM min^{-1}	Cable (10 m) H07RN-F-	Fuse-min.	Discharge branch PN 6/10	Max. Solid Size (mm)	Weight ca. kg
25/2 AW	3-phase	3x230/400	2,60	2,10	40	7,6/4,4	2860	° 6 G 1,5	10 A	DN 65	65	40
35/2 AW	3-phase	3x230/400	3,70	3,04	40	11,5/6,6	2895	° 6 G 1,5	10 A	DN 65	65	44
10/4 CW1	3-phase	3x230/400	1,80	1,40	40	5,9/3,4	1426	° 6 G 1,5	10 A	DN 100	100	49
15/4 CW1	3-phase	3x230/400	2,40	1,90	30	7,3/4,2	1395	° 6 G 1,5	10 A	DN 100	100	49
25/4 CW1	3-phase	3x230/400	2,70	2,04	25	7,9/4,6	1376	° 6 G 1,5	10 A	DN 100	100	49
35/4 CW1	3-phase	3x230/400	3,50	2,65	25	12,0/6,9	1424	° 6 G 1,5	10 A	DN 100	100	53
55/4 CW2	3-phase	3x400/690	5,80	4,65	20	10,2/5,9	1430	°10 G 2,5	*16 A	DN 100	100	113
75/4 CW2	3-phase	3x400/690	7,20	5,90	25	12,8/7,4	1432	°10 G 2,5	*20 A	DN 100	100	117

° plug-in * Value for Y/△-starting

Accessories MultiStream/MultiFree

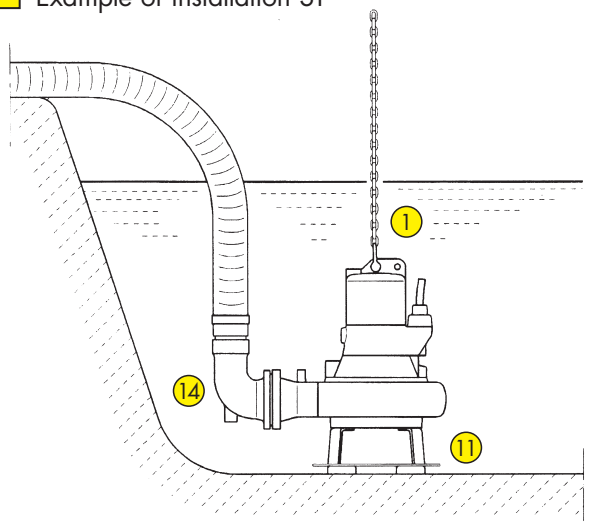
Example of installation GR



* = min. top edge of pump casing

3 11145-05

Example of installation ST



4 11841-00

Accessories

Selection acc. to the size of casing, e.g. UAK 35/4 B4

	Description	Dimensions	Type	Code No.	MultiStream A1	A2	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6	MultiFree AW	CW1	CW2
1	**Chain** DIN 766		carrying capacity																		
		5 x 18,5, 2 rings, 2,5 m	320 kg	**19189**	●	●	●	●	●	●			●						●	●	
		5 x 18,5, 2 rings, 5,0 m	320 kg	**423**	●	●	●	●	●	●			●						●	●	
		7 x 22,0, 2 rings, 5,0 m	630 kg	**416**							●	●		●	●	●	●	●			●
	Stainless steel (1.4401), 4 x 16,0, 5 rings, 1 shackle, 2,5 m		200 kg	**23986**	●	●	●	●	●	●			●						●	●	
	Stainless steel (1.4401), 4 x 16,0, 8 rings, 2 shackles, 5,0 m		200 kg	**24934**	●	●	●	●	●	●			●						●	●	
	Stainless steel (1.4401), 6 x 18,5, 2 rings, 2 shackles, 5,0 m		400 kg	**23989**							●	●		●	●	●	●	●			●
	Hoist (not for 4 mm stainless steel chains)		350 kg	**21394**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	**Seal leak control DKG**		DKG	**252**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			DKG Ex	**249**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	**Guide rail system** PN 10 (incl. accessories)																				
		A B H D DN																			
		170 226 280 80	GR 65	**494**	●	●													●		
		170 229 280 80	GR 80	**495**			●	●	●	●	●										
		200 254 310 100	GR 100	**496**									●							●	
		235 254 345 100	GR 101	**21037**								●					●	●			●
		260 332 435 150	GR 151	**693**											●	●					
		260 332 435 150	GR 151 S	**9731**										●							
4	**Ball check valve** * Flange PN 10, DIN 3202, EN 12050-4 (Dimensions see swing-type check valve)		K 80	**9842**	●	●	●	●	●	●	●								●		
	Swing-type check valve * Flange PN 10, DIN 3202, EN 12050-4																				
		H D DN PN	(except for R 150 G) without level/counter weight																		
		260 80 4	R 80	**706**	●	●	●	●	●	●	●								●		
		300 100 4	R 101	**325**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
		with level/counter weight																			
		260 80 4	R 80 G	**707**	●	●	●	●	●	●	●								●		
		300 100 4	R 100 G	**324**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
		400 150 10	R 150 G	**345**										●	●	●					
5	**Sluice valve** * PN 10 for EN 1171																				
		H L D DN																			
		315 180 80	DN 80	**639**	●	●	●	●	●	●	●								●		
		345 190 100	DN 100	**329**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
		430 210 150	DN 150	**328**										●	●	●					

* c/w screws and gaskets

● Main ○ Alternative proposal

Accessories

Selection acc. to the size of casing, e.g. UAK 35/4 B4

Description	Dimensions	Type	Code No.	MultiStream A1	A2	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6	MultiFree AW	CW1	CW2
6 Spigot flange for steel pipe *	H D C DN Flange PN 10																			
	75 90 80	A 80	**686**	●	●	●	●	●	●	●								●		
	76 114 80	B 80/100	**9821**	○	○	○	○	○	○	○								○		
	100 114 100	C 100	**688**								●	●	○			●	●		●	●
	147 165 150	C 150	**703**								○	○	●	●	●	○	○		○	○
Spigot flange for plastic pipe * F-KS																				
	75 90 80		**686**	●	●	●	●	●	●	●								●		
	85 110 80		**687**	○	○	○	○	○	○	○								○		
	153 110 100		**8673**								●	●	○			●	●		●	●
	173 160 150		**8675**								○	○	●	●	●	○	○		○	○
7 Elastic connection	for Pipe DN H PN D																			
	Steel and Plastic 80 200 4 90	DN 80	**5450**	●	●	●	●	●	●	●								●		
	Steel 100 200 4 114	DN 100	**16348**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
	150 350 4 165	DN 150	**704**										●	●	●					
	Plastic 100 200 4 110	DN 100	**21043**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
	150 350 4 160	DN 150	**21044**										●	●	●					
8 Hose band clamp		3″ (DN 80)	**3574**	●	●	●	●	●	●	●								●		
		4″ (DN 100)	**3575**	○	○	○	○	○	○	○	●	●	○			●	●	○	●	●
		6″ (DN 150)	**705**										●	●	●					
9 Flanged Y-pipe * PN 10	H B C D	DN																		
	355 390 100 80	80/100/ 80	**448**	●	●	●	●	●	●	●								●		
	355 390 100 100	100/100/100	**458**	○	○	○	○	○	○	○		●						○	●	
	355 390 150 100	100/150/100	**449**									○							○	
	355 480 100 80	80/100/ 80	**202**	●	●	●	●	●	●	●								●		
	355 480 100 100	100/100/100	**203**	○	○	○	○	○	○	○	●	●				●		○	●	○
	355 480 150 100	100/150/100	**204**								○	○							○	●
	355 480 150 150	150/150/150	**521**								○	○	●						○	○
10 Reducing adapter * to PN 10	H C DN D DN	Attn.: not used in the guide rail area																		
	100 80 100	DN 80/100	**498**	●	●	●	●	●	●	●								●		
	200 100 150	DN 100/150	**510**								●	●				●	●		●	●
11 Pump pedestal *	H F																			
	76 245	A 170	**681**	●																
	76 295	A 220	**682**		●													●		
	115 280	B 170	**683**			●														
	115 330	B 220	**684**				●	●	●											
	145 345	C 220	**11453**																●	
	145 390	C 275	**685**							●	●	●				●				
	145 565	C 325	**701**										●							●
	145 650	C 410	**702**											●	●		●			
12 Flanged socket *	H B C (PN6) DN D(PN10) DN																			
	130 75 80 65	A 80	**577**	●	●													●		
	150 100 80 80	B 80	**578**			●	●	●	●	●										
	175 120 100 100	C 100	**579**								●	●				●	●		●	●
	250 175 150 150	C 150	**591**										●	●	●					
13 Coupling connection * Size „B" (DIN 14308)	H B C D (DN)																			
	180 75 2½″ 65	A	**503**	●	●													●		
	200 100 2½″ 80	B	**504**			●	●	●	●	●										
14 Hose tail band * 3″ width 76,1 mm	H B C D (DN)																			
	260 75 3″ 65	A	**480**	●	●													●		
	280 100 3″ 80	B	**481**			●	●	●	●	●										
15 Flushing tube	type I – AW+		**28588**															●		
	type I (10/... to 35/...)++		**28221**	●	●	●	□	●	●			●							●	
	type II (55/... to 100/...)+		**28222**				□			●	□		●			●				●
	type III (150/... to 300/...)		**28223**								□			●	●		●			
16 Flange adaptor	DN 80		**30062**	●	●	●	●	●	●	●								●		
	DN 100		**30063**	○	○	○	○	○	○	○	●	●				●	●	○	●	●
	DN 150		**30064**	○	○	○	○	○	○	○	○	○	●	●	●	○	○	○	○	○
Pipe connector	DN 80		**30065**	●	●	●	●	●	●	●								●		
	DN 100		**30066**	○	○	○	○	○	○	○	●	●				●	●	○	●	●
	DN 150		**30067**	○	○	○	○	○	○	○	○	○	●	●	●	○	○	○	○	○

Inner support sleeve is necessary (on request) for PE-HD pipe.

● Main ○ Alternative proposal □ depented on the motor output

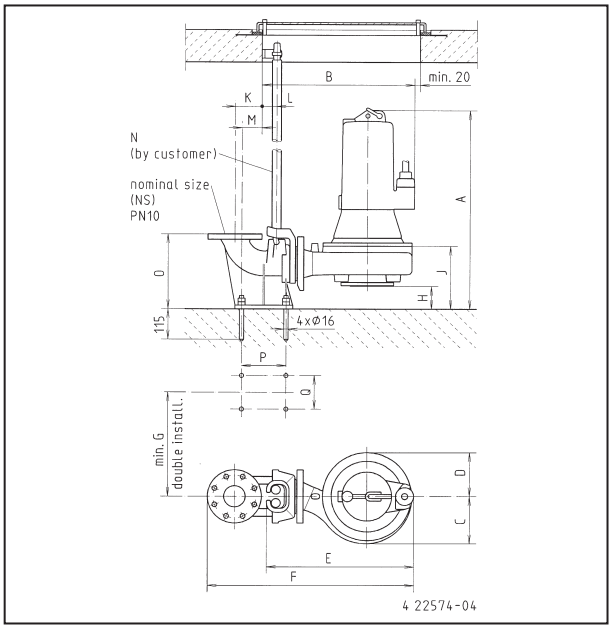
* with screws and gaskets

++ Flushing effect from 4 m delivery head (CW 1)

+ Flushing effect from 6 m delivery head (AW and CW)

Dimensions guide rail system (mm)

For permanent stations, particularly for installations which are subject to routine official safty inspections, this is a neat and low-maintenance solution.

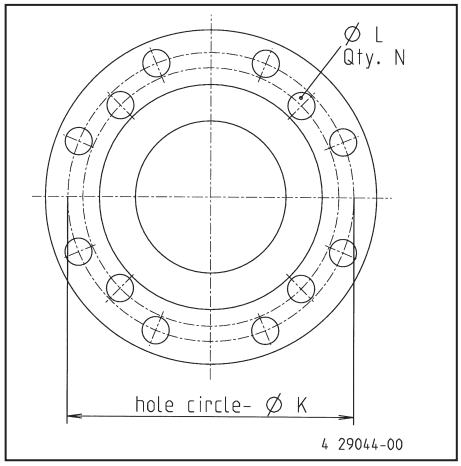


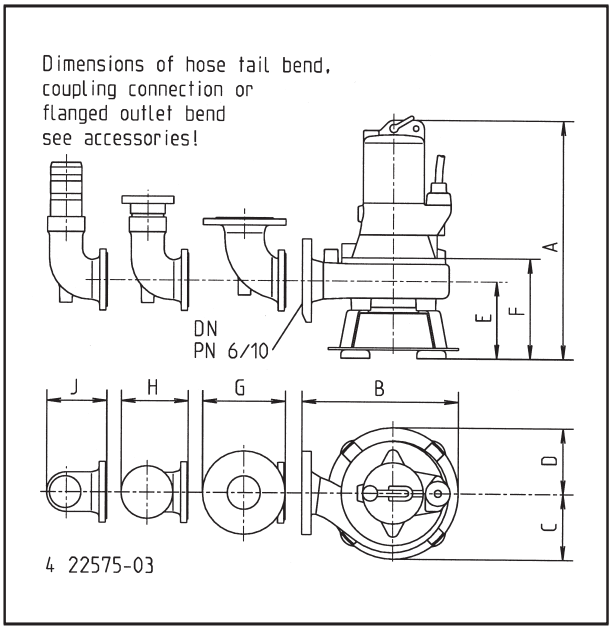
MultiStream Types UAK/UFK	GR	DN	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
10/2 A1	65	80	510	460	110	105	435	660	390	108	213	100	55	74	1″	280	165	125
15/2 A1	65	80	510	460	110	105	435	660	390	108	213	100	55	74	1″	280	165	125
25/2 A2	65	80	510	480	130	125	455	680	390	108	220	100	55	74	1″	280	165	125
35/2 A2	65	80	545	480	130	125	455	680	390	108	220	100	55	74	1″	280	165	125
25/2 B1	80	80	520	475	130	110	455	675	390	95	225	100	55	74	1″	280	165	125
35/2 B2	80	80	555	495	145	125	475	695	390	92	225	100	55	74	1″	280	165	125
55/2 B2	80	80	680	525	145	125	510	725	390	92	225	100	55	74	1″	280	165	125
75/2 B5	80	80	685	565	180	165	550	765	390	85	235	100	55	74	1″	280	165	125
100/2 B5	80	80	745	565	180	165	550	765	390	85	235	100	55	74	1″	280	165	125
200/2 B6	101	100	910	680	235	190	660	900	480	155	315	110	55	82	1″	345	175	385
300/2 B6	101	100	1000	680	235	190	660	900	480	155	315	110	55	82	1″	345	175	385
10/4 B1	80	80	520	475	130	110	455	675	390	95	225	100	55	74	1″	280	165	125
15/4 B3	80	80	520	490	145	125	470	690	390	95	225	100	55	74	1″	280	165	125
25/4 B4	80	80	520	570	190	160	545	770	390	85	225	100	55	74	1″	280	165	125
35/4 B4	80	80	555	570	190	160	545	770	390	85	225	100	55	74	1″	280	165	125
55/4 B6	101	100	765	670	235	190	650	890	480	155	315	110	55	82	1″	345	175	385
75/4 B6	101	100	765	670	235	190	650	890	480	155	315	110	55	82	1″	345	175	385
25/4 C1	100	100	565	570	185	160	550	790	390	95	270	110	55	82	1″	310	175	150
35/4 C1	100	100	600	570	185	160	550	790	390	95	270	110	55	82	1″	310	175	150
55/4 C5	101	100	765	645	230	180	625	865	480	125	315	110	55	82	1″	345	175	385
75/4 C5	101	100	765	645	230	180	625	865	480	125	315	110	55	82	1″	345	175	385
100/4 C5	101	100	825	645	230	180	625	865	480	125	315	110	55	82	1″	345	175	385
150/4 C6	101	100	910	755	290	250	735	975	580	105	315	110	55	82	1″	345	175	385
230/4 C6	101	100	1000	755	290	250	735	975	580	105	315	110	55	82	1″	345	175	385
300/4 C6	101	100	1000	755	290	250	735	975	580	105	315	110	55	82	1″	345	175	385
55/4 C2	151S	150	790	770	260	200	740	1055	480	150	340	145	80	122	1½″	435	260	385
75/4 C2	151S	150	790	770	260	200	740	1055	480	150	340	145	80	122	1½″	435	260	385
100/4 C2	151S	150	850	770	260	200	740	1055	480	150	340	145	80	122	1½″	435	260	385
150/4 C3	151	150	935	885	325	260	855	1175	630	130	340	145	80	122	1½″	435	260	385
230/4 C3	151	150	1025	885	325	260	855	1175	630	130	340	145	80	122	1½″	435	260	385
300/4 C4	151	150	1025	885	325	260	855	1175	630	130	340	145	80	122	1½″	435	260	385
MultiFree Types UAK/UFK	GR	DN	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
25/2 AW	65	80	500	490	130	130	470	690	390	115	220	100	55	74	1″	280	165	125
35/2 AW	65	80	535	490	130	130	470	690	390	115	220	100	55	74	1″	280	165	125
10/4 CW1	100	100	565	540	140	140	520	760	390	120	270	110	55	82	1″	310	175	150
15/4 CW1	100	100	565	540	140	140	520	760	390	120	270	110	55	82	1″	310	175	150
25/4 CW1	100	100	565	540	140	140	520	760	390	120	270	110	55	82	1″	310	175	150
35/4 CW1	100	100	600	540	140	140	520	760	390	120	270	110	55	82	1″	310	175	150
55/4 CW2	101	100	775	635	195	195	620	860	480	135	330	110	55	82	1″	345	175	385
75/4 CW2	101	100	775	635	195	195	620	860	480	135	330	110	55	82	1″	345	175	385

Dimensions pump base (mm)

For transportable application and mobile use on various sites, a pump with base and hose connection is suitable.

Discharge outlet





MultiStream Types UAK/UFK	DN	A	B	C	D	E	F	G	H	J	K	L	N
10/2 A1	65	475	325	110	105	135	175	175	140	120	130-145	14-18	4
15/2 A1	65	475	325	110	105	135	175	175	140	120	130-145	14-18	4
25/2 A2	65	475	345	135	135	135	185	175	140	120	130-145	14-18	4
35/2 A2	65	510	345	135	135	135	185	175	140	120	130-145	14-18	4
25/2 B1	80	530	340	135	135	185	240	200	165	145	150-160	18	4-8
35/2 B2	80	570	380	145	135	185	240	200	165	145	150-160	18	4-8
55/2 B2	80	700	395	145	135	185	240	200	165	145	150-160	18	4-8
75/2 B5	80	725	460	195	195	215	280	200	165	145	150-160	18	4-8
100/2 B5	80	785	460	195	195	215	280	200	165	145	150-160	18	4-8
200/2 B6	100	885	535	235	195	210	290	230	–	–	170-180	18	4-8
300/2 B6	100	975	535	235	195	210	290	230	–	–	170-180	18	4-8
10/4 B1	80	530	340	135	135	185	240	200	165	145	150-160	18	4-8
15/4 B3	80	535	380	160	160	185	240	200	165	145	150-160	18	4-8
25/4 B4	80	535	440	190	160	185	240	200	165	145	150-160	18	4-8
35/4 B4	80	570	440	190	160	185	240	200	165	145	150-160	18	4-8
55/4 B6	100	740	520	235	195	210	290	230	–	–	170-180	18	4-8
75/4 B6	100	740	520	235	195	210	290	230	–	–	170-180	18	4-8
25/4 C1	100	600	450	195	195	235	305	230	–	–	170-180	18	4-8
35/4 C1	100	635	450	195	195	235	305	230	–	–	170-180	18	4-8
55/4 C5	100	775	480	230	195	240	320	230	–	–	170-180	18	4-8
75/4 C5	100	775	480	230	195	240	320	230	–	–	170-180	18	4-8
100/4 C5	100	835	480	230	195	240	320	230	–	–	170-180	18	4-8
150/4 C6	100	925	610	290	250	250	330	230	–	–	170-180	18	4-8
230/4 C6	100	1015	610	290	250	250	330	230	–	–	170-180	18	4-8
300/4 C6	100	1015	610	290	250	250	330	230	–	–	170-180	18	4-8
55/4 C2	150	770	580	260	215	240	320	320	–	–	225-240	18-22	8
75/4 C2	150	770	580	260	215	240	320	320	–	–	225-240	18-22	8
100/4 C2	150	830	580	260	215	240	320	320	–	–	225-240	18-22	8
150/4 C3	150	925	695	325	260	250	330	320	–	–	225-240	18-22	8
230/4 C3	150	1015	695	325	260	250	330	320	–	–	225-240	18-22	8
300/4 C4	150	1015	695	325	260	250	330	320	–	–	225-240	18-22	8
MultiFree Types UAK/UFK	DN	A	B	C	D	E	F	G	H	J	K	L	N
25/2 AW	65	455	360	135	135	130	180	175	140	120	130-145	14-18	4
35/2 AW	65	490	360	135	135	130	180	175	140	120	130-145	14-18	4
10/4 CW1	100	585	415	165	165	220	290	230	–	–	170-180	18	4-8
15/4 CW1	100	585	415	165	165	220	290	230	–	–	170-180	18	4-8
25/4 CW1	100	585	415	165	165	220	290	230	–	–	170-180	18	4-8
35/4 CW1	100	620	415	165	165	220	290	230	–	–	170-180	18	4-8
55/4 CW2	100	785	520	215	215	245	335	230	–	–	170-180	18	4-8
75/4 CW2	100	785	520	215	215	245	335	230	–	–	170-180	18	4-8

Assignment of control units

MultiStream Sewage pump without ex-proof		Single unit		Duplex unit		MultiStream Sewage pump with ex-proof		Single unit		Duplex unit	
Type UAK	Code No.	Control unit without float switch	Code No.	Control unit without float switch	Code No.	Type UFK	Code No.	Control unit without float switch	Code No.	Control unit without float switch	Code No.
10/2 A1	**9615**	AD 25	**310**	BD 25	**302**	10/2 A1	**9628**	AD 25 Ex	**9683**	BD 25 Ex	**9681**
15/2 A1	**9616**	AD 25	**310**	BD 25	**302**	15/2 A1	**9629**	AD 25 Ex	**9683**	BD 25 Ex	**9681**
25/2 A2	**9617**	AD 46	**14353**	BD 46	**14358**	25/2 A2	**9630**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/2 A2	**9651**	AD 610	**14354**	BD 610	**14359**	35/2 A2	**9653**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
25/2 B1	**9618**	AD 46	**14353**	BD 46	**14358**	25/2 B1	**9631**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/2 B2	**9652**	AD 610	**14354**	BD 610	**14359**	35/2 B2	**9654**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
55/2 B2	**9663**	AS 46*	**14406**	BS 46*	**14411**	55/2 B2	**9664**	AS 46*	**14406**	BS 46*	**14411**
75/2 B5	**485**	AS 610	**14407**	BS 610	**14412**	75/2 B5	**9665**	AS 610	**14407**	BS 610	**14412**
100/2 B5	**9740**	AS 1016	**14408**	BS 1016	**14413**	100/2 B5	**9741**	AS 1016	**14408**	BS 1016	**14413**
200/2 B6	**492**	AS 1624	**14409**	BS 1624	**14414**	200/2 B6	**472**	AS 1624	**14409**	BS 1624	**14414**
300/2 B6	**471**	AS 2440	**14410**	BS 2440	**14415**	300/2 B6	**473**	AS 2440	**14410**	BS 2440	**14415**
10/4 B1	**9620**	AD 25	**310**	BD 25	**302**	10/4 B1	**9633**	AD 25 Ex	**9683**	BD 25 Ex	**9681**
15/4 B3	**9622**	AD 25	**310**	BD 25	**302**	15/4 B3	**9635**	AD 25 Ex	**9683**	BD 25 Ex	**9681**
25/4 B4	**9623**	AD 46	**14353**	BD 46	**14358**	25/4 B4	**9636**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/4 B4	**9647**	AD 610	**14354**	BD 610	**14359**	35/4 B4	**9649**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
55/4 B6	**486**	AS 610*	**14407**	BS 610*	**14412**	55/4 B6	**9666**	AS 610*	**14407**	BS 610*	**14412**
75/4 B6	**489**	AS 610	**14407**	BS 610	**14412**	75/4 B6	**9667**	AS 610	**14407**	BS 610	**14412**
25/4 C1	**9624**	AD 46	**14353**	BD 46	**14358**	25/4 C1	**9637**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/4 C1	**9648**	AD 610	**14354**	BD 610	**14359**	35/4 C1	**9650**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
55/4 C5	**9901**	AS 610*	**14407**	BS 610*	**14412**	55/4 C5	**9902**	AS 610*	**14407**	BS 610*	**14412**
75/4 C5	**9904**	AS 610	**14407**	BS 610	**14412**	75/4 C5	**9905**	AS 610	**14407**	BS 610	**14412**
100/4 C5	**9275**	AS 1016	**14408**	BS 1016	**14413**	100/4 C5	**9276**	AS 1016	**14408**	BS 1016	**14413**
150/4 C6	**9882**	AS 1624	**14409**	BS 1624	**14414**	150/4 C6	**9883**	AS 1624	**14409**	BS 1624	**14414**
230/4 C6	**9885**	AS 1624	**14409**	BS 1624	**14414**	230/4 C6	**9886**	AS 1624	**14409**	BS 1624	**14414**
300/4 C6	**9888**	AS 2440	**14410**	BS 2440	**14415**	300/4 C6	**9889**	AS 2440	**14410**	BS 2440	**14415**
55/4 C2	**487**	AS 610*	**14407**	BS 610*	**14412**	55/4 C2	**9668**	AS 610*	**14407**	BS 610*	**14412**
75/4 C2	**490**	AS 610	**14407**	BS 610	**14412**	75/4 C2	**9669**	AS 610	**14407**	BS 610	**14412**
100/4 C2	**9678**	AS 1016	**14408**	BS 1016	**14413**	100/4 C2	**9679**	AS 1016	**14408**	BS 1016	**14413**
150/4 C3	**491**	AS 1624	**14409**	BS 1624	**14414**	150/4 C3	**474**	AS 1624	**14409**	BS 1624	**14414**
230/4 C3	**883**	AS 1624	**14409**	BS 1624	**14414**	230/4 C3	**884**	AS 1624	**14409**	BS 1624	**14414**
300/4 C4	**493**	AS 2440	**14410**	BS 2440	**14415**	300/4 C4	**475**	AS 2440	**14410**	BS 2440	**14415**
MultiFree Sewage pump without ex-proof		**Single unit**		**Duplex unit**		**MultiFree Sewage pump with ex-proof**		**Single unit**		**Duplex unit**	
Type UAK	Code No.	Control unit without float switch	Code No.	Control unit without float switch	Code No.	Type UFK	Code No.	Control unit without float switch	Code No.	Control unit without float switch	Code No.
25/2 AW	**9149**	AD 46	**14353**	BD 46	**14358**	25/2 AW	**9150**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/2 AW	**9151**	AD 610	**14354**	BD 610	**14359**	35/2 AW	**9152**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
10/4 CW1	**9610**	AD 25	**310**	BD 25	**302**	10/4 CW1	**9609**	AD 25 Ex	**9683**	BD 25 Ex	**9681**
15/4 CW1	**9612**	AD 46	**14353**	BD 46	**14358**	15/4 CW1	**9611**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
25/4 CW1	**9655**	AD 46	**14353**	BD 46	**14358**	25/4 CW1	**9656**	AD 46 Ex	**14355**	BD 46 Ex	**14360**
35/4 CW1	**9858**	AD 610	**14354**	BD 610	**14359**	35/4 CW1	**9859**	AD 610 Ex	**14356**	BD 610 Ex	**14361**
55/4 CW2	**9702**	AS 610*	**14407**	BS 610*	**14412**	55/4 CW2	**9704**	AS 610*	**14407**	BS 610*	**14412**
75/4 CW2	**9703**	AS 610	**14407**	BS 610	**14412**	75/4 CW2	**9705**	AS 610	**14407**	BS 610	**14412**

* in connection with UAK/UFK 55/... a control unit with direct start is required.