

Submersible Grey Water Pumps

# AmaDrainer 4 / 5



**Product catalogue:**

<https://www.ksb.com/en-gb/lc/A76A>





**Product benefits**

- Ready-to-connect, easy installation and commissioning
- Reliable shaft sealing by SiC/SiC mechanical seal with good dry-running characteristics, with oil reservoir
- Maintenance-free with grease-packed bearings sealed for life

**Further information**

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**Further information**

	AS0, AS1, AS2, AS4, AS5 (⇒ Page 648)	Switchgear / monitoring unit
	LevelControl Basic 2 (⇒ Page 657)	Level-dependent pump control and monitoring unit with display for either 1 or 2 pumps.
	MSE / MSD (⇒ Page 653)	Compact switchgear for level-dependent control
	Multi-functional plug, type Hyper	Compact switchgear for level-dependent control

**Product information as per Regulation No. 1907/2006 (REACH)**

For information as per European chemicals regulation (EC) No. 1907/2006 (REACH) see <https://www.ksb.com/en-global/company/corporate-responsibility/reach>.

**Certificates**

Overview

<b>Label</b>	<b>Effective in:</b>
 <p>Type Tested and Monitored www.tuv.com ID 0217007933</p>	Europe

**Description / design**

Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 7 m.

- Maintaining groundwater levels
- Draining of pits, shafts, etc.
- Surface drainage

**Main applications**

- Drainage
- Disposal
- Drainage systems
- Lowering groundwater levels

**Prices**
**AmaDrainer 4 / 5, variant A for grey water, without cooling jacket (standard design)**

ND = three-phase asynchronous motor without float switch

NE = single phase AC motor without float switch

SD = three-phase asynchronous motor with float switch

SE = single phase AC motor with float switch

Prices and technical data (50 Hz)

Size	Discharge-side connection	Free passage [mm]	P <sub>1</sub> [kW]	P <sub>N</sub> [kW]	I <sub>n</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1~230 V	3~400 V	H07RN-F6G1		H07RN-F3G1		H07RN-F3G1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
A 405 NE/10	G 1 1/2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	-	-	32	L	12,2	29128651	781,40
A 405 SE/10	G 1 1/2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	12,7	29128650	870,02
A 405 ND/10	G 1 1/2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	-	-	32	L	13,8	29128652	771,34
A 405 SD/10	G 1 1/2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	10	3 × 1,0	32	L	15,1	29128742	938,49
A 405 NE/35	G 1 1/2	35	0,90	0,55	3,50	-	-	-	10	3 × 1,0	-	-	32	L	13,2	29128677	924,42
A 405 SE/35	G 1 1/2	35	0,90	0,55	3,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	13,7	29128676	956,63
A 405 ND/35	G 1 1/2	35	0,76	0,55	-	1,70	10	6 × 1,0	-	-	-	-	32	L	14,8	29128678	1.027,12
A 405 SD/35	G 1 1/2	35	0,76	0,55	-	1,70	10	6 × 1,0	-	-	10	3 × 1,0	32	L	16,1	29128752	1.089,54
A 407 NE/10	G 1 1/2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	-	-	32	L	12,2	29128654	857,96
A 407 SE/10	G 1 1/2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	12,7	29128653	938,49
A 407 ND/10	G 1 1/2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	-	-	32	L	13,8	29128655	821,71
A 407 SD/10	G 1 1/2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	10	3 × 1,0	32	L	15,1	29128743	1.002,93
A 411 NE/10	G 1 1/2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	-	-	32	L	14,5	29128657	1.244,62
A 411 SE/10	G 1 1/2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	15	29128656	1.333,26
A 411 ND/10	G 1 1/2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	-	-	32	L	13,8	29128658	1.204,31
A 411 SD/10	G 1 1/2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	10	3 × 1,0	32	L	15,1	29128744	1.359,39
A 411 NE/35	G 1 1/2	35	1,45	1,10	6,85	-	-	-	10	3 × 1,0	-	-	32	L	15,5	29128680	1.617,19
A 411 SE/35	G 1 1/2	35	1,45	1,10	6,85	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	16	29128679	1.699,70
A 411 ND/35	G 1 1/2	35	1,54	1,10	-	2,50	10	6 × 1,0	-	-	-	-	32	L	14,8	29128681	1.611,16
A 411 SD/35	G 1 1/2	35	1,54	1,10	-	2,50	10	6 × 1,0	-	-	10	3 × 1,0	32	L	16,1	29128753	1.683,67
A 415 NE/10	G 1 1/2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	-	-	32	L	14,5	29128660	1.740,05
A 415 SE/10	G 1 1/2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	15	29128659	1.836,68
A 415 ND/10	G 1 1/2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	-	-	32	L	15,6	29128661	1.699,70
A 415 SD/10	G 1 1/2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	10	3 × 1,0	32	L	16,9	29128745	1.856,85
A 422 ND/10	G 1 1/2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	L	15,6	29128662	2.239,50
A 422 SD/10	G 1 1/2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	L	16,9	29128746	2.402,63
A 422 ND/35	G 1 1/2	35	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	L	16,6	29128682	2.779,24
A 422 SD/35	G 1 1/2	35	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,9	29128754	2.867,81
A 522 ND/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	L	25	29128865	2.628,23
A 522 SD/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	L	27	29128866	2.787,23

**AmaDrainer 4 / 5, variant A for grey water, with cooling jacket (standard design)**

ND = three-phase asynchronous motor without float switch

NE = single phase AC motor without float switch

SD = three-phase asynchronous motor with float switch

SE = single phase AC motor with float switch

Prices and technical data (50 Hz)

Size	Discharge-side connection	Free pas-sage [mm]	P <sub>1</sub> [kW]	P <sub>N</sub> [kW]	I <sub>N</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1-230 V	3-400 V	H07RN-F6G1		H07RN-F3G1		H07RN-F3G1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
A 505 NE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	-	-	32	L	14,2	29128664	874,01
A 505 SE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	14,7	29128663	962,65
A 505 ND/10K	G 2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	-	-	32	L	15,8	29128665	863,96
A 505 SD/10K	G 2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,1	29128747	1.031,14
A 507 NE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	-	-	32	L	14,2	29128667	950,57
A 507 SE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	14,7	29128666	1.031,14
A 507 ND/10K	G 2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	-	-	32	L	15,8	29128668	914,30
A 507 SD/10K	G 2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,1	29128748	1.095,55
A 511 NE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	-	-	32	L	16,5	29128670	1.337,25
A 511 SE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	17	29128669	1.425,89
A 511 ND/10K	G 2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	-	-	32	L	15,8	29128671	1.296,99
A 511 SD/10K	G 2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,1	29128749	1.452,07
A 515 NE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	-	-	32	L	16,5	29128673	1.832,67
A 515 SE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	17	29128672	1.929,36
A 515 ND/10K	G 2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	-	-	32	L	17,6	29128674	1.792,44
A 515 SD/10K	G 2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	10	3 × 1,0	32	L	18,9	29128750	1.949,52
A 522 ND/10K	G 2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	L	17,6	29128675	2.332,14
A 522 SD/10K	G 2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	L	18,9	29128751	2.495,25

**AmaDrainer 4 / 5, variant C for aggressive water, without cooling jacket**

ND = three-phase asynchronous motor without float switch

NE = single phase AC motor without float switch

SD = three-phase asynchronous motor with float switch

SE = single phase AC motor with float switch

Prices and technical data (50 Hz)

Size	Discharge-side connection	Free pas-sage [mm]	P <sub>1</sub> [kW]	P <sub>N</sub> [kW]	I <sub>N</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1-230 V	3-400 V	H07RN-F6G1		H07RN-F3G1		H07RN-F3G1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
C 405 NE/35	G 1 1/2	35	0,90	0,55	3,50	-	-	-	10	3 × 1,0	-	-	32	-	15,3	29128683	1.705,80
C 405 SE/35	G 1 1/2	35	0,90	0,55	3,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	-	15,8	29128684	1.772,32
C 405 ND/35	G 1 1/2	35	0,76	0,55	-	1,70	10	6 × 1,0	-	-	-	-	32	-	16,5	29128685	1.878,99
C 405 SD/35	G 1 1/2	35	0,76	0,55	-	1,70	10	6 × 1,0	-	-	10	3 × 1,0	32	-	18,2	29128686	1.947,45
C 411 NE/35	G 1 1/2	35	1,45	1,10	6,85	-	-	-	10	3 × 1,0	-	-	32	-	17,6	29128687	2.299,92
C 411 SE/35	G 1 1/2	35	1,45	1,10	6,85	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	-	18,1	29128688	2.376,42
C 411 ND/35	G 1 1/2	35	1,54	1,10	-	2,50	10	6 × 1,0	-	-	-	-	32	-	16,5	29128689	2.505,32
C 411 SD/35	G 1 1/2	35	1,54	1,10	-	2,50	10	6 × 1,0	-	-	10	3 × 1,0	32	-	18,3	29128690	2.575,81
C 422 ND/35	G 1 1/2	35	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	-	19	29128691	5.012,69
C 422 SD/35	G 1 1/2	35	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	-	20,8	29128692	5.123,44
C 522 ND/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	-	23,5	29128693	6.770,84
C 522 SD/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	-	25,5	29128694	6.929,94

**AmaDrainer 4 / 5, variant C for aggressive water, with cooling jacket**

ND = three-phase asynchronous motor without float switch

NE = single phase AC motor without float switch

SD = three-phase asynchronous motor with float switch

SE = single phase AC motor with float switch

Prices and technical data (50 Hz)

Size	Discharge-side connection	Free pas-sage	P <sub>1</sub>	P <sub>N</sub>	I <sub>N</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1-230 V	3-400 V	H07RN-F6G1		H07RN-F3G1		H07RN-F3G1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
C 505 NE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	-	-	32	-	14,2	29128697	1.681,68
C 505 SE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	L	14,7	29128696	1.790,36
C 505 ND/10K	G 2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	-	-	32	-	15,3	29128698	1.772,32
C 505 SD/10K	G 2	10	0,76	0,55	-	1,70	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,1	29128755	1.878,99
C 507 NE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	-	-	32	-	14,2	29128700	2.305,97
C 507 SE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	-	14,7	29128699	2.366,38
C 507 ND/10K	G 2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	-	-	32	L	15,3	29128701	2.344,23
C 507 SD/10K	G 2	10	1,01	0,75	-	1,90	10	6 × 1,0	-	-	10	3 × 1,0	32	L	17,1	29128756	2.537,56
C 511 NE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	-	-	32	-	16,5	29128703	3.349,20
C 511 SE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	-	17	29128702	3.472,00
C 511 ND/10K	G 2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	-	-	32	L	15,3	29128704	3.397,51
C 511 SD/10K	G 2	10	1,54	1,10	-	2,50	10	6 × 1,0	-	-	10	3 × 1,0	32	-	17,1	29128757	3.518,31
C 515 NE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	-	-	32	-	16,5	29128706	4.186,98
C 515 SE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 × 1,0	0,5	3 × 1,0	32	-	17	29128705	4.307,80
C 515 ND/10K	G 2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	-	-	32	-	17,6	29128707	4.231,29
C 515 SD/10K	G 2	10	1,88	1,50	-	3,60	10	6 × 1,0	-	-	10	3 × 1,0	32	-	19,5	29128758	4.352,15
C 522 ND/10K	G 2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	-	-	32	L	17,7	29128708	4.974,44
C 522 SD/10K	G 2	10	2,90	2,20	-	4,80	10	6 × 1,0	-	-	10	3 × 1,0	32	L	19,6	29128759	5.103,30

**AmaDrainer 4 / 5, variant R for water containing oil / oil emulsions, without cooling jacket**

ND = three-phase asynchronous motor without float switch

SD = three-phase asynchronous motor with float switch

Prices and technical data (50 Hz)

Size	Discharge-side connection	Free pas-sage	P <sub>1</sub>	P <sub>N</sub>	I <sub>N</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1-230 V	3-400 V	PUR 6 × 1		PUR 3 × 1		PUR 3 × 1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
R 522 ND/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	3 × 1,0	-	3 × 1,0	32	-	23,5	29128867	5.385,27
R 522 SD/11	G 2	11	2,90	2,20	-	4,80	10	6 × 1,0	-	3 × 1,0	10	3 × 1,0	32	-	25,5	29128868	5.576,59

### AmaDrainer 4 / 5, variant R for water containing oil / oil emulsions, with cooling jacket

ND = three-phase asynchronous motor without float switch

NE = single phase AC motor without float switch

SD = three-phase asynchronous motor with float switch

SE = single phase AC motor with float switch


Prices and technical data (50 Hz)

Size	Discharge-side connection	Free passage	P <sub>1</sub>	P <sub>N</sub>	I <sub>N</sub>		Power cable				Level control		MPG	L	[kg]	Mat. No.	GBP
					1-230 V	3-400 V	PUR 6 x 1		PUR 3 x 1		PUR 3 x 1						
					[A]	[A]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]	[m]	[mm <sup>2</sup> ]					
R 505 NE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 x 1,0	-	-	32	-	14,2	29128723	1.637,35
R 505 SE/10K	G 2	10	0,90	0,55	3,50	-	-	-	10	3 x 1,0	0,5	3 x 1,0	32	-	14,7	29128722	1.685,63
R 505 ND/10K	G 2	10	0,76	0,55	-	1,70	10	6 x 1,0	-	-	-	-	32	-	15,3	29128724	1.713,88
R 505 SD/10K	G 2	10	0,76	0,55	-	1,70	10	6 x 1,0	-	-	10	3 x 1,0	32	-	17,1	29128760	1.774,30
R 507 NE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 x 1,0	-	-	32	-	14,2	29128726	2.142,81
R 507 SE/10K	G 2	10	1,26	0,75	4,50	-	-	-	10	3 x 1,0	0,5	3 x 1,0	32	-	14,7	29128725	2.201,25
R 507 ND/10K	G 2	10	1,01	0,75	-	1,90	10	6 x 1,0	-	-	-	-	32	-	15,3	29128727	2.179,09
R 507 SD/10K	G 2	10	1,01	0,75	-	1,90	10	6 x 1,0	-	-	10	3 x 1,0	32	-	17,1	29128761	2.372,43
R 511 NE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 x 1,0	-	-	32	-	16,5	29128729	3.137,70
R 511 SE/10K	G 2	10	1,45	1,10	6,85	-	-	-	10	3 x 1,0	0,5	3 x 1,0	32	-	17	29128728	3.258,55
R 511 ND/10K	G 2	10	1,54	1,10	-	2,50	10	6 x 1,0	-	-	-	-	32	-	15,3	29128730	3.184,01
R 511 SD/10K	G 2	10	1,54	1,10	-	2,50	10	6 x 1,0	-	-	10	3 x 1,0	32	-	17,1	29128762	3.304,86
R 515 NE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 x 1,0	-	-	32	-	16,5	29128732	3.925,14
R 515 SE/10K	G 2	10	2,07	1,50	9,60	-	-	-	10	3 x 1,0	0,5	3 x 1,0	32	-	17	29128731	4.048,03
R 515 ND/10K	G 2	10	1,88	1,50	-	3,60	10	6 x 1,0	-	-	-	-	32	-	17,6	29128733	3.971,49
R 515 SD/10K	G 2	10	1,88	1,50	-	3,60	10	6 x 1,0	-	-	10	3 x 1,0	32	-	19,5	29128763	4.092,32
R 522 ND/10K	G 2	10	2,90	2,20	-	4,80	10	6 x 1,0	-	-	-	-	32	-	17,7	29128734	4.678,34
R 522 SD/10K	G 2	10	2,90	2,20	-	4,80	10	6 x 1,0	-	-	10	3 x 1,0	32	-	19,6	29128764	4.809,28

### AmaDrainer 4 / 5: Extra charges for special voltages and special frequencies

50 Hz / 60 Hz

Size	MPG	Extra charge Single-phase AC 220-240 V / 1-60 Hz	Extra charge Three-phase current 220-690 V / 3~50 Hz 220-480 V / 3~60 Hz
405-415 NE 505-515 NE	32	1 % from qty of 48 3 % from qty of 24 5 % from qty of 12 10 % from qty of 6 25 % from qty of 1	-
405-422 ND 505-522 ND	32	-	1 % from qty of 48 3 % from qty of 24 5 % from qty of 12 10 % from qty of 6 25 % from qty of 1

 Supplied with free cable end

 Extra charges apply to longer and halogen-free power cables (size 405/505) and are available on request.

Alarm switchgears (⇒ Page 20)

## Accessories

### Pump accessories

Pump accessories

Item	Description	Connection / immersion depth [m]	AmaDrainer <sup>3)</sup>				MPG	L	[kg]	Mat. No.	GBP	
			4../10	4../35	5../10K	522/11						
	Installation parts for stationary wet installation (guide hoop arrangement)	1,0	-	-	-	X	BZ	-	11	39020769	294,53	
		1,5	-	-	-	X	BZ	-	12	39020770	323,43	
		1,8	-	-	-	X	BZ	-	13	39020771	352,25	
	Grey cast iron, consisting of: DN 50 flanged duckfoot bend, guide hoop, claw with stainless steel screws/bolts	DN 50	-	-	-	X	24	-	4,2	19075508	337,23	
	Installation parts for stationary wet installation (guide wire arrangement)	4,5	-	-	-	X	BZ	-	10,6	39021023	298,59	
		Grey cast iron, comprising: duckfoot bend, suspension bracket, mounting bracket, 10 m guide wire, claw with stainless steel screws/bolts	-	-	-	-	X	24	-	4,2	19075508	337,23
	Flange adapter, grey cast iron (must be ordered separately)	-	-	-	-	X	24	-	4,2	19075508	337,23	
	Installation parts for stationary wet installation (guide wire installation)	4,5	-	-	-	X	24	-	11,8	19552258	1.897,87	
	Material variant C, stainless steel 1.4571/1.4571, comprising: duckfoot bend, suspension bracket, mounting bracket, 10 m guide wire, screws/bolts and fixings	-	-	-	-	X	24	-	4,2	19075509	1.520,59	
	Flange adapter, material variant C, stainless steel 1.4571/1.4571 (must be ordered separately)	-	-	-	-	X	24	-	4,2	19075509	1.520,59	
	Stainless steel chain, 2 m, short-linked, tested and duly labelled to Directive 2006/42/EC (Machinery Directive)	≤ 2,1 m	-	-	-	X	24	L	0,9	01236267	175,35	
		> 2,1 m	-	-	-	X	24	L	1,1	01236268	220,11	
	Stainless steel chain, 3 m, short-linked, tested and duly labelled to Directive 2006/42/EC (Machinery Directive)	For all immersion depths	-	-	-	X	24	L	1,7	01236269	302,34	
	Polypropylene lifting rope, material variant C	5 m	-	-	-	X	mA	L	2	11185207	118,70	
	P8	Flange for pipe coupling PN 10, at the flanged elbow, mating dimensions to PN 16	DN 50 / R 2	-	-	-	X	24	L	1,2	19551111	50,06
	RK swing check valve	Rp 1 1/4	(X)	-	(X)	-	24	L	0,1	01009771	87,81	
		Rp 1 1/2	X	X	(X)	-	24	L	0,3	01009772	99,90	
		Rp 2	(X)	(X)	X	X	24	L	0,5	01009773	112,72	
	Plastic, EN 12050-4, with internal thread ISO 7/1, with full bore and drain plug For additional parts see P32 and P33	Rp 1 1/4	(X)	-	(X)	-	24	L	0,9	01120610	258,81	
		Rp 1 1/2	X	X	(X)	-	24	L	1,9	01050443	299,92	
		Rp 2	(X)	(X)	X	X	24	L	2,8	01036090	474,06	
		Rp 2 1/2	(X)	(X)	(X)	(X)	31	L	5,5	01062813	590,08	
	Lift check valve, grey cast iron For additional parts see P32 and P33	Rp 1 1/4	(X)	-	(X)	-	24	L	2,1	01084936	527,20	
		Rp 1 1/2	X	X	(X)	-	24	L	2,2	01084935	568,85	
		Rp 2	(X)	(X)	X	X	24	L	0,4	01084937	613,25	

<sup>3)</sup> (x) = increasing or reducing adapters required for these nominal diameters

Item	Description	Connection / immersion depth [m]	AmaDrainer <sup>3)</sup>				MPG	L	[kg]	Mat. No.	GBP
			4../10	4../35	5../10K	522/11					
	P11 Socket gate valve Material: CuZn, PN 16, with internal thread, with full bore For additional parts see P32 and P33	Rp 1 1/4	(X)	-	(X)	-	24	L	0,6	01014219	<b>42,81</b>
		Rp 1 1/2	X	X	(X)	-	24	L	0,8	00411502	<b>61,01</b>
		Rp 2	(X)	(X)	X	X	24	L	1,3	00411503	<b>84,65</b>
		Rp 2 1/2	(X)	(X)	(X)	(X)	24	L	1,7	39000507	<b>130,45</b>
	Ball valve	Rp 1 1/4	(X)	-	(X)	-	24	L	0,6	01120607	<b>125,25</b>
		Rp 1 1/2	X	X	(X)	-	24	L	1,4	01047137	<b>198,33</b>
		Rp 2	(X)	(X)	X	X	24	L	1,2	01050382	<b>226,16</b>
		Rp 2 1/2	(X)	(X)	(X)	(X)	31	L	3,1	01062812	<b>316,19</b>
	Ball valve Stainless steel (1.4408), PN 10	Rp 1 1/4	(X)	-	(X)	-	RL	L	1,2	01067465	<b>179,12</b>
		Rp 1 1/2	X	X	(X)	-	RL	L	1,8	01087276	<b>231,64</b>
	P13 Y-pipe For dual-pump sets, with external thread, galvanised steel For additional parts see P32 and P33	Rp 1 1/4	(X)	-	-	-	24	L	4,1	18040311	<b>196,99</b>
		For dual-pump sets, grey cast iron, with hexagon head bolts, nuts and gaskets; flanges drilled to DIN 2501 Additional part – see P29	DN 40	X	X	(X)	-	24	L	10,6	40000688
		DN 50	(X)	(X)	X	X	24	L	13,5	40000689	<b>671,50</b>
	P18 Cover plate Tread-proof, split, with profile seals and angle iron mounting frame (type A 560) for 500 x 500 mm pits  (For dual-pump stations with Y-pipe 2 cover plates are fitted next to each other.)	Rp 1 1/4	X	X	X	X	24	L	13	18075627	<b>405,13</b>
	P21 A 25 B drain hose set  Comprising: rigid coupling with external thread, 6 m plastic hose DN 25, rapid-action hose coupling Rp 1 1/4, (free passage 21 mm) Additional part – see P32	Rp 1 1/4	(X)	-	(X)	-	24	L	3	18079719	<b>141,54</b>
	P22 Hose connection set  Consisting of: 1 hose nozzle with external thread (PVC), 1 hose clamp (CrNiMo steel) For additional parts see P32 and P33	C 52-G 1 1/2	X	X	-	-	24	-	0,2	19072025	<b>155,41</b>
		C 52-G 2	-	-	X	(X)	24	L	0,2	18040259	<b>161,00</b>
		B 75-G 2	-	-	X	(X)	24	-	0,2	18040205	<b>205,28</b>
	P24 Storz rigid coupling with internal thread to DIN ISO 228/1  Aluminium alloy, required pipe part see P32 Storz rigid coupling  External thread to DIN ISO 228/1, aluminium alloy	C-G 1 1/2	X	X	-	-	24	L	0,3	01002463	<b>54,31</b>
		C-G 2	-	-	X	X	24	L	0,3	00520120	<b>58,35</b>
		B-G 1 1/2	X	X	-	-	24	-	0,1	01062591	<b>155,41</b>
		B-G 2	-	-	X	X	24	L	0,4	00133084	<b>122,02</b>
		C 52 / G 2	-	-	-	X	24	L	0,2	00524370	<b>72,12</b>
	P26 Storz hose coupling	C 52 (DIN 14321)	X	X	-	-	24	L	0,3	00524551	<b>63,95</b>
		B 75 (DIN 14322)	-	-	X	X	24	L	0,7	00520454	<b>97,19</b>
	P27 Hose clip DIN 3017, chrome steel	AL 40-60 C (DIN 3017)	X	X	-	-	39	L	0	00114522	<b>9,49</b>
		AL 70-90 B (DIN 3017)	-	-	X	X	24	L	0	01063363	<b>7,87</b>
	P28 Plastic hose DN 40, with integrated C couplings, DIN 14811	C 42-5 m	X	X	X	X	24	L	1,7	01062592	<b>230,28</b>
		C 42-10 m	X	X	X	X	24	-	2,8	01062593	<b>352,41</b>
		C 42-20 m	X	X	X	X	24	L	5	01062594	<b>624,37</b>

Item	Description	Connection / immersion depth [m]	AmaDrainer <sup>3)</sup>				MPG	L	[kg]	Mat. No.	GBP
			4../10	4../35	5../10K	522/11					
	P28 Plastic hose DN 50, DIN 14811, with integrated C couplings	C 52-5 m	X	X	X	X	24	L	2,3	00522262	282,98
		C 52-10 m	X	X	X	X	24	L	4,2	00522263	468,93
		C 52-20 m	X	X	X	X	24	L	5,7	00522264	779,72
	Plastic hose DN 75, with integrated B couplings, DIN 14811	B 75, 20 m	-	X	X	X	24	-	10	00522265	846,31
	Plastic hose DN 75, supplied by the metre, without couplings (max. 30 m), DIN 14811	B 75, per metre	-	X	X	X	24	L	0,3	00540104	44,45
	P29 Threaded flange for Y-pipe (P13), internal thread	DN 40 / Rp 1 1/2	X	X	(X)	(X)	24	L	1,8	00260478	48,49
		DN 50/Rp 2	(X)	(X)	X	X	24	L	2,5	00260479	51,41
	Threaded flange for guide hoop arrangement (P2) and guide wire arrangement (P4)	DN 50 / Rp 2	-	-	-	X	24	-	2	19551353	199,77
	Consisting of: flange, 4 hexagon head bolts with nuts and washers and 1 sealing element										
	P32 Reducer DN 32	ET R 1 1/2 / IT Rp 1 1/4	(X)	-	-	-	24	L	0,2	00240679	16,69
		EN 10242, galvanised steel, external/internal thread for A 25 B drain hose set (P21)	ET R 2 / IT Rp 1 1/4	-	-	(X)	-	24	L	0,4	00240680
	Hexagon nipple for Storz rigid coupling C (P24), EN 10242	R 1 1/2	X	X	-	-	24	L	0,5	00240874	11,07
		Galvanised steel, external/external thread									
	Hexagon nipple for Storz rigid coupling C and B (P24) and for hose connection set (P22)	R 2	-	-	-	X	24	L	0,6	00240876	16,69
		Galvanised steel, external/external thread									
	Pipe extension for Storz rigid coupling B (P24)	ET 1 1/2 / ET R 1 1/2 x 310	X	X	-	-	24	L	1	11037771	99,22
		1.4401, external/external thread									
		Pipe extension for Storz rigid coupling C and B (P24)	ET 2 / ET R 2 x 150	-	-	X	-	24	L	0,6	00250494
	Galvanised steel, external/external thread										
	P33 Reducer DN 32	ET R 1 1/2 / IT Rp 1 1/4	(X)	-	-	-	24	L	0,2	00240679	16,69
		ET R 2 / IT Rp 1 1/4	-	-	(X)	(X)	24	L	0,4	00240680	13,89
		Reducer DN 40	ET R 2 / IT Rp 1 1/2	-	-	(X)	(X)	24	L	0,5	00240686
	Nominal diameter increase, socket DN 50, EN 10242, galvanised steel For additional parts see P32 and P33	ET R 1 1/2 / IT Rp 2	(X)	(X)	-	-	24	L	0,4	00241778	33,37
		Nominal diameter increase, socket DN 65, EN 10242, galvanised steel For additional parts see P32 and P33	IT Rp 2 / IT Rp 2 1/2	-	-	(X)	(X)	24	L	1,3	40982361
	P35 Cooling jacket retrofit kit	-	X	-	-	-	24	L	0,5	18040775	152,57
	Consisting of: cooling jacket, connection socket with internal thread Rp2 and two O-rings, to retrofit AmaDrainer 4../10 to the same design, AmaDrainer 5../10 K										
	The piping of pumps already installed must be adjusted accordingly.										

## Control units and switchgear

Control units and switchgear

Item	Description	Type	AmaDrainer								MPG	L	[kg]	Mat. No.	GBP		
			1~230 V				3~400 V										
			.05.E	.07.E	.11.E	.15.E	.05.D	.07.D	.11.D	.15.D						.22.D	522/11
	E 1 MSE switchgear With integrated motor protection relay, thermal motor protection, manual-0-automatic selector switch, operation and fault indicator lamps Dimensions (W x H x D) 100 x 170 x 112 mm	40.1	X	-	-	-	-	-	-	-	-	73	L	1	19070137	388,67	
		60.1	-	X	-	-	-	-	-	-	-	-	73	L	1	19070138	388,67
		80.1	-	-	X	-	-	-	-	-	-	-	73	L	1	19070139	388,67
		100.1	-	-	-	X	-	-	-	-	-	-	73	L	1	19070140	388,65
	E2 MSD switchgear Float switch With integrated motor protection relay, thermal motor protection, manual-0-automatic selector switch, operation and fault indicator lamps Dimensions (W x H x D) 100 x 170 x 112 mm	16.1	-	-	-	-	X	-	-	-	-	73	L	1	19070114	457,68	
		25.1	-	-	-	-	-	X	X	-	-	-	73	L	1	19070115	457,68
		40.1	-	-	-	-	-	-	-	X	-	-	73	L	1	19070116	457,65
		60.1	-	-	-	-	-	-	-	-	X	X	73	L	1	19070117	457,65
	E 3 CEE motor protection plug, type Hyper <sup>4</sup> 3/N/PE 16 A, IP X4 Phase inverter, contactor up to 4 kW, manual-0-automatic selector switch, connections for three-phase motor, thermal circuit breaker and float switch	Hyper CEE	-	-	-	-	X	X	X	X	X	73	L	0,8	18040512	406,66	
	E 4 Multi-functional plug, type Hyper, with motor protection relay 3/N/PE 16 A, IP X4, phase inverter, motor monitoring, contactor up to 4 kW, motor protection relay, manual-0-automatic selector switch, reset key, indicator lamps for direction of rotation, operation and fault, connections for three-phase motor, thermal circuit breaker and float switch	Hyper 18.1	-	-	-	-	X	-	-	-	-	73	L	1	19071490	464,23	
		Hyper 26.1	-	-	-	-	-	X	X	-	-	-	73	L	1	19071491	464,23
		Hyper 37.1	-	-	-	-	-	-	-	X	-	-	73	L	1	19071492	464,23
		Hyper 55.1	-	-	-	-	-	-	-	-	X	X	73	L	1	19071493	464,23









### Dual-pump station with LevelControl Basic 2

For dual-pump stations we recommend using the LevelControl Basic 2 control unit, which controls automatic operation of both pumps (automatic pump changeover after every start, peak load operation function and automatic pump changeover in the case of a pump fault). An alarm function is integrated in LevelControl Basic 2. A separate alarm switchgear is not required in this case. The control unit can be selected in KSB EasySelect.

<sup>4</sup> Required for AmaDrainer ND only:

## Alarm switchgears for pumps, non-ATEX-compliant

Alarm switchgears for pumps, non-ATEX-compliant

Item	Description	MPG	L	[kg]	Mat. No.	GBP
 E50	Alarm switchgear AS 0 With circuit breaker, acoustic signalling device with 85 dB(A), green equipment-on lamp Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch, F1 leakage sensor (item E64), M1 alarm contactor or signal relay of control unit as contactor.	73	L	0,5	29128401	207,95
 E51	Alarm switchgear AS 2 With circuit breaker, acoustic signalling device with 85 dB(A), green equipment-on lamp, volt-free contact for hook-up to a control station Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch, F1 leakage sensor (item E64) or signal relay of control unit as contactor.	73	L	0,5	29128422	597,39
 E52	Alarm switchgear AS 4 With circuit breaker, acoustic signalling device with 85 dB(A), green equipment-on lamp, volt-free contact for hook-up to a control station, self-charging power supply unit for 5 hours of operation in the event of a power failure Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch (E60), F1 leakage sensor (item E64) or signal relay of control unit as contactor.	73	L	0,5	29128442	1.054,45
 E53	Alarm switchgear AS 5 Mains-independent, with self-charging power supply unit for 10 hours of operation in the event of a power failure, mains pilot LED, fault indicator light, acknowledgement button, volt-free contact for hook-up to a control station, ready for connection with 1.8 m power cable and plug. ISO housing, IP41, H x W x D = 190 x 165 x 75 [mm]. Use float switch (E60) or signal relay of control unit as contactor.	73	L	1,7	00530561	1.633,81
 E55	Alarm switchgear AS 1 In IP30 ISO plug housing, mains-independent, with self-charging power supply unit for 5 hours of operation in the event of a power failure, acoustic signalling device 70 dB(A) with circuit breaker and integrated signal transmitter with 3-metre power cable, max. 60 °C, not suitable for steam and condensate.  1. High water alert by suspending the sensor in a (pump) sump above the pump start-up point. 2. Water alert signal at a water level of only 1 mm by placing the sensor on the floor in areas with a flooding or leakage risk, e.g. the cellar or next to the washing machine in the kitchen or bathroom.	73	L	0,9	00533740	600,88
 E330	KSB washing machine interrupter Alarm triggered, with automatic interruption of power supply to the washing machine if the water level in the collecting tank is too high 230 V AC, 50/60 Hz, max. 16 A ohm resistive load Comprising: housing with socket and plug, buzzer, automatic re-start, M1 alarm contactor with connection cable (5 m)	73	L	0,3	01318215	419,59
 E331	KSB AS W4 - KSB washing machine interrupter for up to 4 washing machines AS W4 alarm switchgear, alarm triggered with automatic interruption of power supply of up to 4 washing machines if the water level in the collecting tank is too high 230 V AC, 50/60 Hz, max. 16 A resistive load per intermediate connector Comprising: control unit, buzzer, automatic reset and start-up, M 1 K contactor with 5 m connection cable, 4 intermediate connectors	73	L	4	19075394	1.205,54
 E331	KSB AS W8 - KSB washing machine interrupter for up to 8 washing machines AS W8 alarm switchgear, alarm triggered with automatic interruption of power supply of up to 8 washing machines if the water level in the collecting tank is too high 230 V AC, 50/60 Hz, max. 16 A resistive load per intermediate connector Comprising: control unit, buzzer, automatic reset and start-up, M 1 K contactor with 5 m connection cable, 8 intermediate connectors	73	L	4	19075395	1.517,75