

**A ST LINE****A-1 FOR EXISTING DHW CYLINDERS**

Item code	Item name	Description	Energy class*	Heating power [kW]	Max. heating power [kW]**	Electrical power [kW]	Max. electrical power [kW]	COP	Operating range min. [°C]	Operating range max. [°C]	W [mm]	H [mm]	D [mm]**	Net weight [kg]	Price without VAT [EUR]
2222000071851	WP-W2-1/PV P W	DHW heat pump with water connection to the DHW cylinder	A	1,83	1,83	0,48	0,55	2,55	8	35	480	780	330	33	2.006

\* The energy rating A+ was measured for the combination of heat pump and BO\_HT 300 ERM hot water storage tank.

\*\* Data with 1,2 kW built-in electric heater.

**A S1 LINE****A-1 FOR SMALLER DHW CONSUMERS**

Item code	Item name	Energy class	Heating power [kW]	Max. heating power [kW]*	Electrical power [kW]	Max. electrical power [kW]*	COP	Operating range min. [°C]	Operating range max. [°C]	Amount of hot mixed water [l]	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000071875	WPI LF-101/0 E D PV	A+	0,92	2,42	0,31	1,81	2,40	-7	35	129	520	1250	520	62	2.463

\* Data with 1,5 kW built-in electric heater.

**C EQUIPMENT****C-1 VENTILATION PIPES AND EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000073428	SET_WPI LF	Air intake and exhaust set for WPI, 2 x VE-90, 2 x HE-90, 4 x FD-100, 4 x C-10	168
2222000057893	KL_VE-90	Vertical elbow for ventilation pipe 55 [mm] x 110 [mm]	16
2222000047009	KL_HE-90	Horizontal elbow for ventilation pipe 55 [mm] x 110 [mm]	16
2222000022372	CE_FD-100	Ventilation pipe 55 [mm] x 110 [mm], length 1 [m]	23
2222000003777	SP_C-10	Coupling for ventilation pipe 55 [mm] x 110 [mm]	9
2222000003784	RE_GF-10	Ventilation grille 55 [mm] x 110 [mm]	34

**A S2 LINE**

Item code	Item name	Energy class	Heating power [kW]	Max. heating power [kW]*	Electrical power [kW]	Max. electrical power [kW]*	COP+ profile	Operating range min. [°C]	Operating range max. [°C]	Heat exchanger surface	Amount of hot mixed water [l]	W / Ø [mm]	H [mm]	Net weight [kg]	Price without VAT [EUR]
<b>A-1 STAR</b>															
2222000090432	WP2 LF-202B/1 E	A+	1,85	3,35	0,44	2,16	3,33 L	10	35	0,91	284	635	1700	116	2.550
2222000090456	WP2 LF-302B/1 E	A+	1,85	3,35	0,44	2,16	3,27 XL	10	35	1,20	373	635	2030	140	2.729
<b>A-1 SILVER</b>															
2222000080990	WP2 LF-202S/1 E PV	A+	1,85	3,35	0,44	2,16	3,77 L	5	35	0,91	271	635	1700	116	3.148
2222000081089	WP2 LF-302S/1 E PV	A+	1,85	3,35	0,44	2,16	3,78 XL	5	35	1,20	376	635	2030	140	3.348
<b>A-1 ECO</b>															
2222000077129	WP2 LF-202E/1 E D PV P	A+	1,85	3,35	0,44	2,16	3,96 L	-7	40	0,91	271	635	1700	116	3.592
2222000077471	WP2 LF-302E/1 E D PV P	A+	1,85	3,35	0,44	2,16	3,98 XL	-7	40	1,20	376	635	2030	140	3.849

\* Data with 1,5 kW built-in electric heater.

**C EQUIPMENT****C-1 VENTILATION PIPES AND EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000073435	SET_WP2 LF/1	Air intake and exhaust set for WP2, 2 x BIR-C 90, 2 x 2 m pipe, 6 x BIR-C-VM-150	491
2222000073497	SET_WP2 LF/2	Air intake and exhaust set for WP2, 2 x BIR-C 90, 2 x BIR-C 45, 4 x BIR-C 150/2000, 10 x BIR-C-VM-150	926
2222000073442	KL_BIR-C 90	Elbow for ventilation pipe 90°, 150 [mm]	44
2222000073459	KL_BIR-C 45	Elbow for ventilation pipe 45°, 150 [mm]	41
2222000073466	KL_BIR-C 30	Elbow for ventilation pipe 30°, 150 [mm]	41
2222000073473	CE_BIR-C 150/2000	Ventilation pipe 150 [mm], length 2 [m]	143
2222000073480	SP_BIR-C-VM-150	Coupling for ventilation pipe 150 [mm]	28

**C-2 CONTROLLER**

Item code	Item name	Description	Price without VAT [EUR]
2222000087098	WM_WM WP2-4 SET	Web module for WP2-4 set, connection cable	424

**B SMAX LINE****B-1 SMAX - FOR LARGER DHW CONSUMERS**

Item code	Item name	Energy class	Heating power [kW]	Max. heating power [kW]*	Electrical power [kW]	Max. electrical power [kW]*	COP+ profile	Operating range min. [°C]	Operating range max. [°C]	Heat exchanger surface	Amount of hot mixed water [l]	W / Ø [mm]	H [mm]	Net weight [kg]	Price without VAT [EUR]
2222000077525	WP4 LF-502/1 E D PV P	A+	3,83	7,83	1,20	5,60	3,85 XXL	-7	40	2	578	792 / 750	2070	210	5.718

\* Data with 4 kW (2 x 2 kW) built-in electric heater.

**C EQUIPMENT****C-2 CONTROLLER**

Item code	Item name	Description	Price without VAT [EUR]
2222000087098	WM_WM WP2-4 SET	Web module for WP2-4 set, connection cable	424
2222000017514	KN_CEC07.01	Contactora for additional SH heater for WP4	33

**C-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000081591	NN_WP2	Leveling feet for WP2	44
2222000092146	SET_SOLAR WP2-4	Solar set for WP2-4	1.498

**K DHW CYLINDERS AND BUFFER TANKS - EQUIPMENT****K-2 SCREW PLUG ELECTRIC HEATERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000006556	NEG_SH 2,0	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 2,0 [kW], installation length 320 [mm]	423
2222000025076	NEG_SH 2,5	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 2,5 [kW], installation length 390 [mm]	437
2222000007843	NEG_SH 3,0	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 3,0 [kW], installation length 390 [mm]	441
2222000040888	NEG_SH 3,8	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 3,8 [kW], installation length 430 [mm]	444
2222000007850	NEG_SH 4,5	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 4,5 [kW], installation length 470 [mm]	446
2222000007867	NEG_SH 6,0	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 6,0 [kW], installation length 620 [mm]	457
2222000007386	NEG_SH 7,5	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 7,5 [kW], installation length 720 [mm]	471
2222000023829	NEG_SH 9,0	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 9,0 [kW], installation length 780 [mm]	482

Model WP4 LF-502 has a threaded connection in the lower part of the DHW cylinder for the installation of an electric heater G 6/4" IT. The heater is controlled independently or jointly with other heaters by installing a contactor KN\_CEC07.01.

**D GEOS LINE****D-2 WPG - HIGH TEMPERATURE BRINE/WATER AND WATER/WATER HEAT PUMPS**

Item code	Item name	Energy class	Heating power B0/W35 [kW]	Heating power B0/W55 [kW]	Heating power W10/W35 [kW]	Heating power W10/W55 [kW]	Electrical power B0/W35 [kW]	Electrical power W10/W35 [kW]	Cooling power W10/W12 [kW]	Fuses [A]	Connections	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000123116	WPG-07E-2 HT/HK 3F E S2	A++	5,28	4,94	7,34	6,68	1,28	1,36	7	3 x C20	4x G 5/4"	605	1220	705	174	9.075
2222000123130	WPG-07E-K2 HT/HK 3F E S2	A++	5,28	4,94	7,34	6,68	1,28	1,36	7	3 x C20	4x G 1" ZN 3x G 3/4" ZN	604	1954	704	281	11.907
2222000123154	WPG-10E-2 HT/HK 3F E S2	A++	7,28	6,69	9,62	8,75	1,65	1,76	10	3 x C20	4x G 5/4" ZN	605	1220	705	178	9.165
2222000123185	WPG-10E-K2 HT/HK 3F E S2	A++	7,28	6,69	9,62	8,75	1,65	1,76	10	3 x C20	4x G 1" ZN 3x G 3/4" ZN	604	1954	704	285	12.007
2222000123192	WPG-15E-2 HT/HK 3F E S2	A++	10,76	10,07	14,48	13,20	2,48	2,65	14	3 x C20	4x G 5/4" ZN	605	1220	705	197	10.643
2222000123215	WPG-15E-K2 HT/HK 3F E S2	A++	10,76	10,07	14,48	13,20	2,48	2,65	14	3 x C20	4x G 1" ZN 3x G 3/4" ZN	604	1954	704	304	13.412
2222000123239	WPG-18E-2 HT/HK 3F E S2	A++	13,22	12,20	17,79	16,43	3,06	3,26	17	3 x C25	4x G 5/4" ZN	605	1220	705	199	11.616
2222000123246	WPG-21E-2 HT/HK 3F E S2	A++	14,88	14,61	21,15	19,62	3,45	3,99	21	3 x C25	4x G 5/4" ZN	605	1220	705	201	12.005

**G EQUIPMENT****G-1 CONTROLLERS AND THERMOSTATS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000105280	KT-2A	Wall room thermostat (KSM, TT3000) and controller (KSM)	80	123	9	437
2222000050566	KT-1	Wall room thermostat for KSM and TT3000	80	80	9	156
2222000048754	ND_KT-1	Wall-mounted junction box for KT-1	70	70	9	47
2222000112844	KIT_P2P KT-1/KT-2A	Kit for upgrading a 2-wire cable for connecting KT-1/2A and KSM	-	-	-	150

**G-3 EXPANSION MODULES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000082284	TT3003	Expansion module for TT3000 control unit	416	300	83	3	642

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867

## H HEAT SOURCE - EQUIPMENT

### H-5 PASSIVE COOLING

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000094683	MODUL_PASIVA	Module for passive cooling, cooling power up to 15 [kW], min. flow - prim. side up to 3,15 [m <sup>3</sup> /h], 4 x G 5/4" OT connections	440	710	230	1.719

MODUL\_PASIVA contains: insulated heat exchanger in the housing without controller, 1 x switching valve with motor drive (switching between heating and cooling system and switching the water flow of the heat source between the heat pump and the module) and electrical junction box. MODUL\_PASIVA is ready for connection to the controller of the heat pump TT 3000 for controlling the temperature of passive cooling and the circulating pump of the heat source.

### H-6 INTERMEDIATE HEAT EXCHANGERS

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000113223	LPT_0324	Brazed plate heat exchanger for WPG, VERSI, ADAPT in WPLV	-	-	-	-	956
2222000126216	LPT_30_TSV	Brazed plate heat exchanger for DHW production	-	-	-	-	1.389
2222000094669	MODUL_PIL-K 13	Module with a heat exchanger for WPG-7/10/15, VERSI-O/-I/-X, ADAPT 0312 and 0416 protection, 4 x G 1" OT connections	440	745	230	24	1.553
2222000094676	MODUL_PIL-K 20	Module with a heat exchanger for WPG-18/21 and ADAPT 0724 protection, 4 x G 1" OT connections	440	745	230	28	1.743

MODUL\_PIL contains: protective heat exchanger, expansion tank, mixing valve, pressure gauge, safety valve, drain valve and electrical junction box with contactor. The cross-section of the connecting lines between the heat pump and module must be dimensioned accordingly. The pipe connection must be filled with a suitable mixture of anti-freeze liquid and water.

### H-99 OTHER EQUIPMENT AND ACCESSORIES

Item code	Item name	Description	Price without VAT [EUR]
2222000045289	VF_ATC-10	Water filter for ground water for WPG-07, R 1" OT connections, 150 [mcr] mesh	259
2222000044299	VF_ATC-32	Water filter for ground water for WPG-10/21, R 5/4" OT connections, 150 [mcr] mesh	385

**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102449	CS_DN25 D	Heating circuit pump set, direct, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	459
2222000102401	CS_DN25 M	Heating circuit pump set, mixing, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	597

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000118976	OC_STAR-Z NOVA PN10	Highly efficient circulating pump for hot sanitary water, threaded connection, power 5,0 [W], flow 0,4 [m3/h], pressure 0,1 [bar]	231
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

**I-3 DISTRIBUTORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102487	HR_DN25-2V I	Distributor with insulation, DN25 - 2V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	311
2222000102470	HR_DN25-3V I	Distributor with insulation, DN25 - 3V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	390
2222000102456	HR_DN25-4V I	Distributor with insulation, DN25 - 4V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	477

**I-4 HYDRAULIC SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102494	HL_DN25	Hydraulic separator, DN25, primary R 5/4" IT, secondary R 6/4" IT, max 8 [bar], max 110 [°C]	210

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000068806	MLN_UE028WJ	Magnetic dirt separator, coupling 28 [mm], nominal flow 2 [m3/h]	270
2222000096717	MLN_UE100WJ	Magnetic dirt separator, R 1" IT, nominal flow 2 [m3/h]	259
2222000096700	MLN_UE125WJ	Magnetic dirt separator, R 5/4" IT, nominal flow 3,6 [m3/h]	374

**I-8 VALVE**

Item code	Item name	Description	Price without VAT [EUR]
2222000060718	TVE_EMV 3P 525-32	3-way switching valve, G 5/4" OT	96
2222000034580	EMP_EMV 110-K	Actuator for a 3-way switching valve	95

**D VERSI LINE****D-7 VERSI**

Item code	Item name	Energy class	Max. heating power A-10/W35 [kW]	Max. heating power A7/W35 [kW]	Electrical power A7/W35 [kW]	Cooling power A35/W7 [kW]	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000119119	VERSI-O 0209-K1 HT / HK 1F	A+++	6,11	6,20	1,24	5,02	800	1215	600	145	8.934
2222000119102	VERSI-H 0209-K1 HT / HK UF E	A+++	6,20	6,13	1,28	5,08	600	1280	710	161	10.820
2222000119126	VERSI-X 0209-K1 HT / HK 1F	A+++	6,20	6,13	1,28	5,08	600	1280	710	147	9.177

**D-5 HYDRAULIC UNITS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000115722	HYDRO C2	Indoor compact hydraulic unit for ADAPT, with 200 [l] DHW cylinder, single-phase connection 1 x C16, three-phase connection 3 x C16, connections 4 x G 1" IT, 3 x G 3/4" IT	602	1812	684	135	5.573
2222000121341	HYDRO S2	Indoor wall-mounted hydraulic unit for ADAPT, single-phase connection 1 x C16, three-phase connection 3 x C16, connections 4 x G 1" IT, 3 x G 3/4" IT	525	620	320	28	3.037

**G HEAT PUMPS - EQUIPMENT****G-20 HYDRAULIC UNITS - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000116163	ZA_P 40	Buffer tank with insulation for HYDRO C2/CR, 40 [l] buffer tank	520	570	175	24	549
2222000121549	HYDRO P2	Buffer tank for HYDRO S2/SR, 40 [l] buffer tank, connections 2 x G 5/4" IT, R 1" OT	525	620	175	30	705
2222000121556	HYDRO A2	Wall mount and spacer for HYDRO S2/SR	525	620	58	5	123
2222000122676	SET_PO HYDRO	Filling set for HYDRO C2/S2/CR/SR/WR KSM/WR KSM 2; the necessary accessory is KIT_PP WR KSM 2	-	-	-	-	289

**G-II VERSI - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000129545	KIT_MAD F - S	Modular air deflector kit for VERSI-X, balcony configuration, front and side deflector, two clamps and spacer	799
2222000129552	KIT_MAD T - S	Modular air deflector kit for VERSI-X, balcony configuration, top and side deflector, two clamps and spacer	745
2222000129569	KIT_MAD F - T	Modular air deflector kit for VERSI-X, balcony configuration, front and top deflector, two clamps and spacer	807
2222000127428	MAD_F VERSI-X	Modular air deflector for VERSI-X, balcony configuration, front, 1 piece	521
2222000127435	MAD_S VERSI-X	Modular air deflector for VERSI-X, balcony configuration, side, 1 piece	414
2222000127442	MAD_T VERSI-X	Modular air deflector for VERSI-X, balcony configuration, top, 1 piece	438
2222000125509	NR_VERSI	Carry handles for VERSI	72

**G-1 CONTROLLERS AND THERMOSTATS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000105280	KT-2A	Wall room thermostat (KSM, TT3000) and controller (KSM)	80	123	9	437
2222000050566	KT-1	Wall room thermostat for KSM and TT3000	80	80	9	156
2222000048754	ND_KT-1	Wall-mounted junction box for KT-1	70	70	9	47
2222000112844	KIT_P2P KT-1/KT-2A	Kit for upgrading a 2-wire cable for connecting KT-1/2A and KSM	-	-	-	150

**G-2 CONTROLLERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000125745	WR KSM 2	KSM wall control unit, basic module; the necessary accessory is an electric heater (e.g. PG_6/PG_12) and, in the case of a cascade solution, KIT_TT000	1.741
2222000112691	WR KSM C	KSM wall control unit, cascade module	1.495

**G-3 EXPANSION MODULES**

Item code	Item name	Description	Price without VAT [EUR]
2222000122492	KSM+ 2	Expansion module for KSM - HYDRO C2/S2/CR/SR	514
2222000107130	HYDRO PWM-R	Relay module for HYDRO C2/S2/CR/SR and circulating pumps	110
2222000112684	WR KSM+	KSM wall control unit, expansion module	656
2222000118174	WR PWM-R	Relay module for WR KSM 2 and circulating pumps	110
2222000129194	KIT_PP WR KSM 2	Pressure sensor kit for WR KSM 2, voltage probe	139

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000116521	PG_6	Electric flowthrough heater, G 5/4" OT, power supply 3 x 230 [V], power 6 [kW]	543
2222000116538	PG_12	Electric flowthrough heater, G 6/4" IT, power supply 3 x 230 [V], power 12 [kW]	1.190
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867
2222000126247	KIT_SECMONO	Upgrade Software Kit with 230 [V] supply cable and communication interface	740

## H HEAT SOURCE - EQUIPMENT

### H-1 BASES AND CONSOLES

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000125738	ZBT_VERSI-O	Concrete base for VERSI-O	800	300	600	140	318
2222000120535	TKT_VERSI-O	Metal base for VERSI-O	800	106	600	18	374
2222000126377	SK_VERSI-O	Wall mount for VERSI-O	-	-	-	23	428

### H-2 CONNECTING PIPES

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000110192	PCT_350-700	Cover for connecting pipes - straight, for ADAPT and VERSI-O	350 - 700	107	240	104
2222000110741	PCT_K	Cover for connecting pipes - angular, for ADAPT and VERSI-O	380	107	380	93
2222000116453	VIV_108601	Safety drain valve, G 1" OT	-	-	-	115
2222000116965	VIV_108701	Safety drain valve, G 5/4" OT	-	-	-	135

### H-6 INTERMEDIATE HEAT EXCHANGERS

Item code	Item name	Description	Price without VAT [EUR]
2222000113223	LPT_0324	Brazed plate heat exchanger for WPG, VERSI, ADAPT in WPLV	956
2222000126216	LPT_30_TSV	Brazed plate heat exchanger for DHW production	1.389
2222000094669	MODUL_PIL-K13	Module with a heat exchanger for WPG-7/10/15, VERSI-O/-I/-X, ADAPT 0312 and 0416 protection, 4 x G 1" OT connections	1.553

MODUL\_PIL contains: protective heat exchanger, expansion tank, mixing valve, pressure gauge, safety valve, drain valve and electrical junction box with contactor. The cross-section of the connecting lines between the heat pump and module must be dimensioned accordingly. The pipe connection must be filled with a suitable mixture of anti-freeze liquid and water.

### H-7 VERSI - EQUIPMENT AND ACCESSORIES

Item code	Item name	Description	Price without VAT [EUR]
2222000123321	SPK_R 400/315	Wall adapter for grille, fi 400/315, 9 [mm] insulation, 1 piece	214
2222000123338	SPK_P 315/315	Wall adapter for perforated hood and roof pieces, fi 315/600, 9 [mm] insulation, 1 piece	142
2222000126360	PK_VERSI 500x250/315	Air duct adapter for VERSI, 250 x 500 x fi 315, with gasket and 19 [mm] insulation, 1 piece	300
2222000126322	CE_VERSI 315 FLEXI	Flexible air duct for VERSI, connections fi 315 [mm], length 1,1 [m], 1 piece, 2 x gasket	159



**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000108083	CS_DN25 D PWM2	PWM2 heating circuit pump set, direct, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	477
2222000108090	CS_DN25 M PWM2	PWM2 heating circuit pump set, mixing, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	628

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000118976	OC_STAR-Z NOVA PN10	Highly efficient circulating pump for hot sanitary water, threaded connection, power 5,0 [W], flow 0,4 [m3/h], pressure 0,1 [bar]	231
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

**I-3 DISTRIBUTORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102487	HR_DN25-2V I	Distributor with insulation, DN25 - 2V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	311
2222000102470	HR_DN25-3V I	Distributor with insulation, DN25 - 3V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	390
2222000102456	HR_DN25-4V I	Distributor with insulation, DN25 - 4V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	477

**I-4 HYDRAULIC SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102494	HL_DN25	Hydraulic separator, DN25, primary R 5/4" IT, secondary R 6/4" IT, max 8 [bar], max 110 [°C]	210

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000068806	MLN_UE028WJ	Magnetic dirt separator, coupling 28 [mm], nominal flow 2 [m3/h]	270
2222000096717	MLN_UE100WJ	Magnetic dirt separator, R 1" IT, nominal flow 2 [m3/h]	259

**I-8 VALVE**

Item code	Item name	Description	Price without VAT [EUR]
2222000060718	TVE_EMV 3P 525-32	3-way switching valve, G 5/4" OT	96
2222000034580	EMP_EMV 110-K	Actuator for a 3-way switching valve	95

**D ADAPT LINE**
**D-1 ADAPT**

Item code	Item name	Energy class	Max. heating power A-10/W35 [kW]	Electrical power A7/W35 [kW]	Cooling power A35/W7 [kW]	Fuses [A]	Connections	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000107154	ADAPT 0312-K3 HT / HK 3F N	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	10.755
2222000107246	ADAPT 0312-K3 HT / HK 3F O	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	10.755
2222000107260	ADAPT 0312-K3 HT / HK 3F C	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	228	11.137
2222000107253	ADAPT 0312-K3 HT / HK 3F I	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	11.594
2222000119416	ADAPT 0312-K3 HT / HK 3F A	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	11.052
2222000119669	ADAPT 0312-K3 HT / HK 3F NB	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	11.052
2222000120214	ADAPT 0312-K3 HT / HK 3F INDIVIDUAL	A+++	8,05	1,11	7,27	3 x C10	G 5/4" NN	1050	1400	675	223	12.727
2222000107147	ADAPT 0312-K3 HT / HK 1F N	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	212	10.342
2222000107215	ADAPT 0312-K3 HT / HK 1F O	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	212	10.342
2222000107239	ADAPT 0312-K3 HT / HK 1F C	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	218	10.723
2222000107222	ADAPT 0312-K3 HT / HK 1F I	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	213	11.181
2222000119409	ADAPT 0312-K3 HT / HK 1F A	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	212	10.638
2222000119553	ADAPT 0312-K3 HT / HK 1F NB	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	212	10.638
2222000120092	ADAPT 0312-K3 HT / HK 1F INDIVIDUAL	A+++	8,00	1,12	7,27	1 x C20	G 5/4" NN	1050	1400	675	212	12.314
2222000107178	ADAPT 0416-K3 HT / HK 3F N	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	231	12.853
2222000107185	ADAPT 0416-K3 HT / HK 3F O	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	231	12.853
2222000107208	ADAPT 0416-K3 HT / HK 3F C	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	237	13.281
2222000107192	ADAPT 0416-K3 HT / HK 3F I	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	232	13.794
2222000119539	ADAPT 0416-K3 HT / HK 3F A	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	231	13.186
2222000119683	ADAPT 0416-K3 HT / HK 3F NB	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	231	13.186
2222000120238	ADAPT 0416-K3 HT / HK 3F INDIVIDUAL	A+++	10,99	1,53	10,21	3 x C10	G 5/4" NN	1050	1400	675	231	15.065
2222000107161	ADAPT 0416-K3 HT / HK 1F N	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	221	12.406
2222000107277	ADAPT 0416-K3 HT / HK 1F O	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	221	12.406
2222000107291	ADAPT 0416-K3 HT / HK 1F C	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	227	12.831
2222000107284	ADAPT 0416-K3 HT / HK 1F I	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	222	13.340
2222000119522	ADAPT 0416-K3 HT / HK 1F A	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	221	12.736
2222000119676	ADAPT 0416-K3 HT / HK 1F NB	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	221	12.736
2222000120221	ADAPT 0416-K3 HT / HK 1F INDIVIDUAL	A+++	11,12	1,51	10,21	1 x C25	G 5/4" NN	1050	1400	675	221	14.603
2222000107475	ADAPT 0724-K3 HT / HK 3F N	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	243	19.721
2222000107482	ADAPT 0724-K3 HT / HK 3F O	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	243	19.721
2222000107468	ADAPT 0724-K3 HT / HK 3F C	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	249	20.292
2222000107499	ADAPT 0724-K3 HT / HK 3F I	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	244	20.978
2222000119546	ADAPT 0724-K3 HT / HK 3F A	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	243	20.165
2222000119690	ADAPT 0724-K3 HT / HK 3F NB	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	243	20.165
2222000120245	ADAPT 0724-K3 HT / HK 3F INDIVIDUAL	A+++	15,60	2,39	16,96	3 x C20	G 5/4" NN	1050	1400	675	243	22.678

**D-5 HYDRAULIC UNITS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000115722	HYDRO C2	Indoor compact hydraulic unit for ADAPT, with 200 [l] DHW cylinder, single-phase connection 1 x C16, three-phase connection 3 x C16, connections 4 x G 1" IT, 3 x G 3/4" IT	602	1812	684	135	5.573
2222000121341	HYDRO S2	Indoor wall-mounted hydraulic unit for ADAPT, single-phase connection 1 x C16, three-phase connection 3 x C16, connections 4 x G 1" IT, 3 x G 3/4" IT	525	620	320	28	3.037

**G HEAT PUMPS - EQUIPMENT****G-20 HYDRAULIC UNITS - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000116163	ZA_P 40	Buffer tank with insulation for HYDRO C2/CR, 40 [l] buffer tank	520	570	175	24	549
2222000121549	HYDRO P2	Buffer tank for HYDRO S2/SR, 40 [l] buffer tank, connections 2 x G 5/4" IT, R 1" OT	525	620	175	30	705
2222000121556	HYDRO A2	Wall mount and spacer for HYDRO S2/SR	525	620	58	5	123
2222000122676	SET_PO HYDRO	Filling set for HYDRO C2/S2/CR/SR/WR KSM/WR KSM 2; the necessary accessory is KIT_PP WR KSM 2	-	-	-	-	289

**G-1 CONTROLLERS AND THERMOSTATS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000105280	KT-2A	Wall room thermostat (KSM, TT3000) and controller (KSM)	80	123	9	437
2222000050566	KT-1	Wall room thermostat for KSM and TT3000	80	80	9	156
2222000048754	ND_KT-1	Wall-mounted junction box for KT-1	70	70	9	47
2222000112844	KIT_P2P KT-1/KT-2A	Kit for upgrading a 2-wire cable for connecting KT-1/2A and KSM	-	-	-	150

**G-2 CONTROLLERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000125745	WR KSM 2	KSM wall control unit, basic module; the necessary accessory is an electric heater (e.g. PG_6/PG_12) and, in the case of a cascade solution, KIT_TT1000	1.741
2222000112691	WR KSM C	KSM wall control unit, cascade module	1.495

**G-3 EXPANSION MODULES**

Item code	Item name	Description	Price without VAT [EUR]
2222000122492	KSM+ 2	Expansion module for KSM - HYDRO C2/S2/CR/SR	514
2222000107130	HYDRO PWM-R	Relay module for HYDRO C2/S2/CR/SR and circulating pumps	110
2222000112684	WR KSM+	KSM wall control unit, expansion module	656
2222000118174	WR PWM-R	Relay module for WR KSM 2 and circulating pumps	110
2222000129194	KIT_PP WR KSM 2	Pressure sensor kit for WR KSM 2, voltage probe	139

**G-10 ADAPT - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000108571	SD_SIM ADAPT	ADAPT heat pump operation simulator	1.536
2222000116460	SET_HC ADAPT	Set with heating cable for diffuser ADAPT	70
2222000105297	ST_DESIGN NERO	ADAPT NERO panels set	2.477
2222000105327	ST_DESIGN OLIO	ADAPT OLIO panels set	2.477
2222000105303	ST_DESIGN INOX	ADAPT INOX panels set	3.615
2222000105310	ST_DESIGN CORTEN	ADAPT CORTEN panels set	2.994
2222000120283	ST_DESIGN NEBBIA	ADAPT NEBBIA panels set	2.879
2222000120276	ST_DESIGN ANTHRACITE	ADAPT ANTHRACITE panels set	2.879
2222000114510	ST_DESIGN INDIVIDUAL	ADAPT INDIVIDUAL panels set	5.153

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000116521	PG_6	Electric flowthrough heater, G 5/4" OT, power supply 3 x 230 [V], power 6 [kW]	543
2222000116538	PG_12	Electric flowthrough heater, G 6/4" IT, power supply 3 x 230 [V], power 12 [kW]	1.190
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867
2222000126247	KIT_SECMONO	Upgrade Software Kit with 230 [V] supply cable and communication interface	740

**H HEAT SOURCE - EQUIPMENT****H-1 BASES AND CONSOLES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000106799	TKT_ADAPT	Metal base for ADAPT	1050	106	675	27	551
2222000106805	ZKT_ADAPT	Metal base for ADAPT - ground	1050	320	675	47	698

**H-2 CONNECTING PIPES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000110192	PCT_350-700	Cover for connecting pipes - straight, for ADAPT and VERSI-O	350	107	240	104
2222000110741	PCT_K	Cover for connecting pipes - angular, for ADAPT and VERSI-O	379	107	240	93
2222000116453	VIV_108601	Safety drain valve, G 1" OT	-	-	-	115
2222000116965	VIV_108701	Safety drain valve, G 5/4" OT	-	-	-	135

**H-6 INTERMEDIATE HEAT EXCHANGERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000113223	LPT_0324	Brazed plate heat exchanger for WPG, VERSI, ADAPT in WPLV	956
2222000126216	LPT_30_TSV	Brazed plate heat exchanger for DHW production	1.389
2222000094669	MODUL_PIL-K 13	Module with a heat exchanger for WPG-7/10/15, VERSI-O/-I/-X, ADAPT 0312 and 0416 protection, 4 x G 1" OT connections	1.553
2222000094676	MODUL_PIL-K 20	Module with a heat exchanger for WPG-18/21 and ADAPT 0724 protection, 4 x G 1" OT connections	1.743

MODUL\_PIL contains: protective heat exchanger, expansion tank, mixing valve, pressure gauge, safety valve, drain valve and electrical junction box with contactor. The cross-section of the connecting lines between the heat pump and module must be dimensioned accordingly. The pipe connection must be filled with a suitable mixture of anti-freeze liquid and water.

**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000108083	CS_DN25 D PWM2	PWM2 heating circuit pump set, direct, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 /1-8	477
2222000108090	CS_DN25 M PWM2	PWM2 heating circuit pump set, mixing, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 /1-8 and 3-way mixing valve with actuator	628

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000118976	OC_STAR-Z NOVA PN10	Highly efficient circulating pump for hot sanitary water, threaded connection, power 5,0 [W], flow 0,4 [m3/h], pressure 0,1 [bar]	231
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

**I-3 DISTRIBUTORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102487	HR_DN25-2V I	Distributor with insulation, DN25 - 2V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	311
2222000102470	HR_DN25-3V I	Distributor with insulation, DN25 - 3V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	390
2222000102456	HR_DN25-4V I	Distributor with insulation, DN25 - 4V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	477

**I-4 HYDRAULIC SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102494	HL_DN25	Hydraulic separator, DN25, primary R 5/4" IT, secondary R 6/4" IT, max 8 [bar], max 110 [°C]	210
2222000102463	HL_DN32	Hydraulic separator, DN32, primary R 2" OT, secondary R 2" OT, max 8 [bar], max 110 [°C]	464

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000068806	MLN_UE028WJ	Magnetic dirt separator, coupling 28 [mm], nominal flow 2 [m3/h]	270
2222000096717	MLN_UE100WJ	Magnetic dirt separator, R 1" IT, nominal flow 2 [m3/h]	259
2222000096700	MLN_UE125WJ	Magnetic dirt separator, R 5/4" IT, nominal flow 3,6 [m3/h]	374

**I-8 VALVE**

Item code	Item name	Description	Price without VAT [EUR]
2222000060718	TVE_EMV 3P 525-32	3-way switching valve, G 5/4" OT	96
2222000034580	EMP_EMV 110-K	Actuator for a 3-way switching valve	95

**D AEROS LINE****D-4 WPLV**

Item code	Item name	Description	Energy class	Heating power A2/W35 [kW]	Heating power A2/W55 [kW]	Electrical power A2/W35 [kW]	Cooling power A35/W7 [kW]	Fuses [A]	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000126636	WPLV-09-S1 NT/HK 1F 3	Medium-temperature air/water heat pump with adaptable heating power for outdoor installation, gas connection pipes 3/8" and 5/8" SAE	A++	5,30	4,60	1,40	6,10	1 x C20	950	834	390	59	3.237

**D-5 HYDRAULIC UNITS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000137243	HYDRO CR 09 / HK UF E B1	Indoor compact hydraulic unit for WPLV-09, with 200 [l] DHW cylinder, single-phase connection 1 x C16, three-phase connection 3 x C16, gas connection pipes 3/8 "and 5/8" SAE, water connections G 1" OT	602	1812	684	143	6.204
2222000137267	HYDRO SR 09 / HK UF E B1	Indoor wall-mounted hydraulic unit for WPLV-09, single-phase connection 1 x C16, three-phase connection 3 x C16, gas connection pipes 3/8 "and 5/8" SAE, water connections G 1" OT	525	620	320	34	3.627

**G EQUIPMENT****G-20 HYDRAULIC UNITS - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000116163	ZA_P 40	Buffer tank with insulation for HYDRO C2/CR, 40 [l] buffer tank	520	570	175	24	549
2222000121549	HYDRO P2	Buffer tank for HYDRO S2/SR, 40 [l] buffer tank, connections 2 x G 5/4" IT, R 1" OT	525	620	175	30	705
2222000121556	HYDRO A2	Wall mount and spacer for HYDRO S2/SR	525	620	58	5	123
2222000122676	SET_PO HYDRO	Filling set for HYDRO C2/S2/CR/SR/WR KSM/WR KSM 2; the necessary accessory is KIT_PP WR KSM 2	-	-	-	-	289

**G-1 CONTROLLERS AND THERMOSTATS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000050566	KT-1	Wall room thermostat for KSM and TT3000	80	80	9	156
2222000048754	ND_KT-1	Wall-mounted junction box for KT-1	70	70	9	47
2222000105280	KT-2A	Wall room thermostat (KSM, TT3000) and controller (KSM)	80	123	9	437
2222000112844	KIT_P2P KT-1/KT-2A	Kit for upgrading a 2-wire cable for connecting KT-1/2A and KSM	-	-	-	150

**G-3 EXPANSION MODULES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000122492	KSM+ 2	Expansion module for KSM - HYDRO C2/S2/CR/SR	265	130	50	0,8	514
2222000107130	HYDRO PWM-R	Relay module for HYDRO C2/S2/CR/SR and circulating pumps	-	-	-	-	110

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867

**H HEAT SOURCE - EQUIPMENT****H-6 INTERMEDIATE HEAT EXCHANGERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000113223	LPT_0324	Brazed plate heat exchanger for WPG, VERSI, ADAPT in WPLV	956
2222000126216	LPT_30_TSV	Brazed plate heat exchanger for DHW production	1389

**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000108083	CS_DN25 D PWM2	Črpalčni set za ogrevalni krog, DN25, PWM2, direktni ventil, primar G 6/4" ZN, sekundar G 1" NN, razmak med priključki 125 [mm], EC črpalka 25/1-8 PWM2	258
2222000108090	CS_DN25 M PWM2	Črpalčni set za ogrevalni krog, DN25, PWM2, mešalni ventil, primar G 6/4" ZN, sekundar G 1" NN, razmak med priključki 125 [mm], EC črpalka 25/1-8 PWM2 in mešalni ventil s pogonom	347

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000118976	OC_STAR-Z NOVA PN10	Highly efficient circulating pump for hot sanitary water, threaded connection, power 5,0 [W], flow 0,4 [m3/h], pressure 0,1 [bar]	231
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

**I-3 DISTRIBUTORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102487	HR_DN25-2V I	Distributor with insulation, DN25 - 2V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	311
2222000102470	HR_DN25-3V I	Distributor with insulation, DN25 - 3V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	390
2222000102456	HR_DN25-4V I	Distributor with insulation, DN25 - 4V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	477

**I-4 HYDRAULIC SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102494	HL_DN25	Hydraulic separator, DN25, primary R 5/4" IT, secondary R 6/4" IT, max 8 [bar], max 110 [°C]	210

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000068806	MLN_UE028WJ	Magnetic dirt separator, coupling 28 [mm], nominal flow 2 [m3/h]	270
2222000096717	MLN_UE100WJ	Magnetic dirt separator, R 1" IT, nominal flow 2 [m3/h]	259
2222000096700	MLN_UE125WJ	Magnetic dirt separator, R 5/4" IT, nominal flow 3,6 [m3/h]	374

**E WPL MAX LINE****E-1 WPL - HIGH TEMPERATURE AIR/WATER HEAT PUMP**

Item code	Item name	Energy class	Heating power A2/W35 [kW]	Heating power A2/W55 [kW]	Electrical power A2/W35 [kW]	Cooling power A35/W7 [kW]	Fuses [A]	Connections	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000096908	WPL-31-K1 HT/HK 3F S	A++	29,80	29,80	7,50	23,80	3 x C25	R 6/4" ZN	1465	1898	791	467	23.072
2222000097394	WPL-45-K1 HT/HK 3F S	A++	36,80	37,10	9,40	33,60	3 x C40	R 6/4" ZN	1773	2017	1361	790	34.330
2222000097417	WPL-70-K1 HTT/HK 3F S	A++	60,40	61,70	15,10	52,80	3 x C63	R 2" ZN	2953	2017	1361	1315	55.517
2222000097431	WPL-90-K1 HTT/HK 3F S	A++	71,30	73,30	18,60	66,00	3 x C80	R 2" ZN	2953	2017	1361	1361	59.166

\* WARNING - Refrigerant surcharge - in the event of a rise in refrigerant prices on the world market, we reserve the right to add a surcharge for the refrigerant to the price of the heat pump.

**E-4 HYDRAULIC UNITS**

Item code	Item name	Energy efficiency index (EEI)	Max. electrical power [kW]	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000109776	HM-WPL 45 OH	0,19	0,3	581	1572	582	81	11.005
2222000108564	HM-WPL 7090 OH	0,17	0,6	581	1572	582	112	14.022
2222000111687	HM-WPL 45 O	0,19	0,3	581	1572	582	69	6.134
2222000108540	HM-WPL 7090 O	0,17	0,6	581	1572	582	86	7.707

**G EQUIPMENT****G-2 CONTROLLERS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000081454	TT3000	WPL heat pump control unit, single-phase connection 1 x C16	416	300	83	1.443

**G-3 EXPANSION MODULES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000082284	TT3003	Expansion module for TT3000 control unit	416	300	83	3	642

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867

**H HEAT SOURCE - EQUIPMENT****H-6 INTERMEDIATE HEAT EXCHANGERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000119737	LPT_3045	Brazed plate heat exchanger for WPG-30/40 and WPL-31/45	2.538
2222000119744	LPT_5570	Brazed plate heat exchanger for WPG-55/60 and WPL-70	3.257
2222000119751	LPT_8090	Brazed plate heat exchanger for WPG-80 and WPL-90	3.818

The heat exchanger assembly includes a heat exchanger and a mounting bracket.

Brazed plate heat exchangers are thermal insulated.



**I HEATING SYSTEM - EQUIPMENT**
**I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102449	CS_DN25 D	Heating circuit pump set, direct, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	459
2222000102401	CS_DN25 M	Heating circuit pump set, mixing, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	597
2222000102425	CS_DN32 D	Heating circuit pump set, direct, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8	925
2222000102395	CS_DN32 M	Heating circuit pump set, mixing, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	1.076

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000109820	OC_STRATOS MAXO 30/0,5-8	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	1.696
2222000118907	OC_STRATOS MAXO 30/0,5-10 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 275 [W], flow 12 [m3/h], pressure 1 [bar]	1.842
2222000109844	OC_STRATOS MAXO 30/0,5-12	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 295 [W], flow 12 [m3/h], pressure 1,1 [bar]	1.991
2222000109837	OC_STRATOS MAXO 40/0,5-8 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	2.222
2222000099534	OC_YONOS MAXO 40/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-550 [W], flow 21,0 [m3/h], pressure 1,2 [bar]	1.988
2222000112547	OC_STRATOS MAXO 40/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.756
2222000139674	OC_STRATOS MAXO 40/0,5-12 PN6/10-R7	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.849
2222000112554	OC_STRATOS MAXO 40/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 640 [W], flow 30 [m3/h], pressure 1,6 [bar]	3.785
2222000099527	OC_YONOS MAXO 50/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-600 [W], flow 25,4 [m3/h], pressure 1,1 [bar]	2.687
2222000119058	OC_STRATOS MAXO 50/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 20 - 1480 [W], flow 53 [m3/h], pressure 1,6 [bar]	4.877
2222000099541	OC_YONOS MAXO 65/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 40-800 [W], flow 42,0 [m3/h], pressure 1,1 [bar]	3.049
2222000112561	OC_STRATOS MAXO 65/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 950 [W], flow 46 [m3/h], pressure 1,2 [bar]	4.299

2222000112578	OC_STRATOS MAXO 65/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1440 [W], flow rate 54 [m3/h], pressure 1,6 [bar]	5.401
2222000112585	OC_STRATOS MAXO 80/0,5-12 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1410 [W], flow 67 [m3/h], pressure 1,2 [bar]	6.076
2222000109813	CM_CIF MODBUS RTU	Stratos MAXO circulation pump connection module to building management system (BMS)	203
2222000112011	OC_STRATOS MAXO-Z 30/0,5-8 PN10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	2.698
2222000112592	OC_STRATOS MAXO-Z 40/0,5-8 PN6/10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	3.533
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

### I-3 DISTRIBUTORS

Item code	Item name	Description	Price without VAT [EUR]
2222000102432	HR_DN32-2V I	Distributor with insulation, DN32 - 2V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	511
2222000102418	HR_DN32-3V I	Distributor with insulation, DN32 - 3V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	635
2222000102388	HR_DN32-4V I	Distributor with insulation, DN32 - 4V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	844

### I-4 HYDRAULIC SEPARATORS

Item code	Item name	Description	Price without VAT [EUR]
2222000102463	HL_DN32	Hydraulic separator, DN32, primary R 2" OT, secondary R 2" OT, max 8 [bar], max 110 [°C]	464

### I-5 MAGNETIC DIRT SEPARATORS

Item code	Item name	Description	Price without VAT [EUR]
2222000073619	MLN_UE150WJ	Magnetic dirt separator, R 6/4" IT, nominal flow 5 [m3/h]	419
2222000073626	MLN_UE200WJ	Magnetic dirt separator, R 2" IT, nominal flow 7,5 [m3/h]	813
2222000096724	MLN_BE050FM	Magnetic dirt separator, flange DN50, nominal flow 12,5 [m3/h]	1.787
2222000096731	MLN_BE065FM	Magnetic dirt separator, flange DN65, nominal flow 20 [m3/h]	1.843
2222000110789	MLN_BE080FM	Magnetic dirt separator, flange DN80, nominal flow 27,0 [m3/h]	2.451
2222000106782	MLN_BE100FM	Magnetic dirt separator, flange DN100, nominal flow 43,0 [m3/h]	2.597
2222000111601	MLN_BE125FM	Magnetic dirt separator, flange DN125, nominal flow 72,0 [m3/h]	5.085
2222000111618	MLN_BE150FM	Magnetic dirt separator, flange DN150, nominal flow 108,0 [m3/h]	5.400

**E GEOS MAX LINE****E-2 WPG - HIGH TEMPERATURE BRINE/WATER AND WATER/WATER HEAT PUMP**

Item code	Item name	Energy class	Heating power B0/W35 [kW]	Heating power B0/W55 [kW]	Heating power W10/W35 [kW]	Heating power W10/W55 [kW]	Electrical power B0/W35 [kW]	Electrical power W10/W35 [kW]	Fuses [A]	Connections	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000128746	WPG-30-1 HT/H 3F S 2	A++	24,20	21,40	32,80	29,50	5,40	5,40	3 x C20	4x R 6/4" ZN	1170	1663	792	322	15.406
2222000097233	WPG-40-1 HT/H 3F S	A++	31,30	27,20	42,30	37,70	7,10	7,00	3 x C25	4x R 6/4" ZN	1170	1663	792	341	18.419
2222000097271	WPG-55-1 HT/H 3F S	A++	42,50	37,60	57,20	51,10	9,50	9,60	3 x C32	4x R 2" ZN	1170	1663	792	380	20.223
2222000097318	WPG-80-1 HTT/H 3F S	A++	63,30	54,80	85,30	76,00	14,20	14,10	3 x C50	4x R 2 1/2" ZN	1170	1663	792	468	27.550
2222000097356	WPG-110-1 HTT/H 3F S	A++	84,70	74,20	112,90	100,80	19,20	19,50	3 x C63	4x R 2 1/2" ZN	1170	1663	792	511	29.612

Heat pumps can also be delivered with additional heat exchanger - desuperheater on request.

The heat pump must be ordered with the associated circulation pumps.

**E-4 HYDRAULIC UNITS**

Item code	Item name	Description	Energy efficiency index (EEI)	Max. electrical power [kW]	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000110802	HM-WPG 3040 OHP-SV	Hydraulic module for WPG 30-40, brine/water	0,19	0,6	1330	1093	880	86	12.700
2222000111670	HM-WPG 5560 OHP-SV	Hydraulic module for WPG 55-60, brine/water	0,17	1,0	1330	1093	880	112	16.465
2222000104740	HM-WPG 80110 OHP-SV	Hydraulic module for WPG 80-110, brine/water	0,17	1,0	1330	1093	880	126	19.580
2222000133283	HM-WPG 3040 OHP-VV	Hydraulic module for WPG 30-40, water/water	0,19	0,6	1330	1093	880	86	12.700
2222000133290	HM-WPG 5560 OHP-VV	Hydraulic module for WPG 55-60, water/water	0,17	1,0	1330	1093	880	112	16.465
2222000133306	HM-WPG 80110 OHP-VV	Hydraulic module for WPG 80-110, water/water	0,17	1,0	1330	1093	880	126	19.580

**G EQUIPMENT****G-3 EXPANSION MODULES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000082284	TT3003	Expansion module for TT3000 control unit	416	300	83	3	642

**G-6 FREQUENCY CONVERTERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000118969	FP_1,5 IP20	Frequency converter, 1,5 [kW], 3 x 380-480 [V], IP20	1.503
2222000104627	FP_2,2 IP20	Frequency converter, 2,2 [kW], 3 x 380-480 [V], IP20	1.592
2222000116552	FP_3,0 IP20	Frequency converter, 3,0 [kW], 3 x 380-480 [V], IP20	1.907
2222000108342	FP_4,0 IP20	Frequency converter, 4,0 [kW], 3 x 380-480 [V], IP20	2.139
2222000111663	FP_5,5 IP20	Frequency converter, 5,5 [kW], 3 x 380-480 [V], IP20	2.268
2222000040215	FP_SET FC300	Set for mounting the frequency display on the door of the electrical cabinet	125

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867

**H HEAT SOURCE - EQUIPMENT****H-6 INTERMEDIATE HEAT EXCHANGERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000119737	LPT_3045	Brazed plate heat exchanger for WPG-30/40 and WPL-31/45	2.538
2222000119744	LPT_5570	Brazed plate heat exchanger for WPG-55/60 and WPL-70	3.257
2222000119751	LPT_8090	Brazed plate heat exchanger for WPG-80 and WPL-90	3.818
2222000115678	LPT_110	Brazed plate heat exchanger for WPG-110	4.537
2222000119768	RPT_3040	Gasketed plate heat exchanger for WPG-30/40	7.051
2222000119775	RPT_5560	Gasketed plate heat exchanger for WPG-55/60	8.730
2222000119782	RPT_80110	Gasketed plate heat exchanger for WPG-80/110	13.623
2222000119799	RPT_145	Gasketed plate heat exchanger for WPG-145	16.957
2222000119805	RPT_2x80	Gasketed plate heat exchanger for a system of 2 x WPG-80	19.884
2222000119812	RPT_2x110	Gasketed plate heat exchanger for a system of 2 x WPG-145	23.338

The heat exchanger assembly includes a heat exchanger and a mounting bracket.

Brazed plate heat exchangers are thermally insulated.

Gasketed plate heat exchangers are not thermally insulated.

**H-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000047863	VF_ATC-50	Water filter for ground water for WPG-30/80, R 2" OT connections, mesh 150 [mcr]	925
2222000119270	VF_ATC-65	Water filter for ground water for WPG-80/110, 2 x flange connection DN65, 150 [mcr] mesh	1.058
2222000081744	VF_ATC-80	Water filter for ground water for WPG-110, DN80 connections, mesh 150 [mcr]	1.177

**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102449	CS_DN25 D	Heating circuit pump set, direct, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	459
2222000102401	CS_DN25 M	Heating circuit pump set, mixing, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	597
2222000102425	CS_DN32 D	Heating circuit pump set, direct, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8	925
2222000102395	CS_DN32 M	Heating circuit pump set, mixing, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	1076

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000109820	OC_STRATOS MAXO 30/0,5-8	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	1.696
2222000118907	OC_STRATOS MAXO 30/0,5-10 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 275 [W], flow 12 [m3/h], pressure 1 [bar]	1.842
2222000109844	OC_STRATOS MAXO 30/0,5-12	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 295 [W], flow 12 [m3/h], pressure 1,1 [bar]	1.991
2222000109837	OC_STRATOS MAXO 40/0,5-8 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	2.222
2222000099534	OC_YONOS MAXO 40/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-550 [W], flow 21,0 [m3/h], pressure 1,2 [bar]	1.988
2222000112547	OC_STRATOS MAXO 40/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.756
2222000139674	OC_STRATOS MAXO 40/0,5-12 PN6/10-R7	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.849
2222000112554	OC_STRATOS MAXO 40/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 640 [W], flow 30 [m3/h], pressure 1,6 [bar]	3.785
2222000099527	OC_YONOS MAXO 50/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-600 [W], flow 25,4 [m3/h], pressure 1,1 [bar]	2.687
2222000119058	OC_STRATOS MAXO 50/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 20 - 1480 [W], flow 53 [m3/h], pressure 1,6 [bar]	4.877
2222000099541	OC_YONOS MAXO 65/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 40-800 [W], flow 42,0 [m3/h], pressure 1,1 [bar]	3.049
2222000112561	OC_STRATOS MAXO 65/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 950 [W], flow 46 [m3/h], pressure 1,2 [bar]	4.299
2222000112578	OC_STRATOS MAXO 65/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1440 [W], flow rate 54 [m3/h], pressure 1,6 [bar]	5.401
2222000112585	OC_STRATOS MAXO 80/0,5-12 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1410 [W], flow 67 [m3/h], pressure 1,2 [bar]	6.076
2222000109813	CM_CIF MODBUS RTU	Stratos MAXO circulation pump connection module to building management system (BMS)	203
2222000112011	OC_STRATOS MAXO-Z 30/0,5-8 PN10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	2.698
2222000112592	OC_STRATOS MAXO-Z 40/0,5-8 PN6/10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	3.533
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

**I-3 DISTRIBUTORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102432	HR_DN32-2V I	Distributor with insulation, DN32 - 2V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	511
2222000102418	HR_DN32-3V I	Distributor with insulation, DN32 - 3V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	635
2222000102388	HR_DN32-4V I	Distributor with insulation, DN32 - 4V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	844

**I-4 HYDRAULIC SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102463	HL_DN32	Hydraulic separator, DN32, primary R 2" OT, secondary R 2" OT, max 8 [bar], max 110 [°C]	464

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000073619	MLN_UE150WJ	Magnetic dirt separator, R 6/4" IT, nominal flow 5 [m3/h]	419
2222000073626	MLN_UE200WJ	Magnetic dirt separator, R 2" IT, nominal flow 7,5 [m3/h]	813
2222000096724	MLN_BE050FM	Magnetic dirt separator, flange DN50, nominal flow 12,5 [m3/h]	1.787
2222000096731	MLN_BE065FM	Magnetic dirt separator, flange DN65, nominal flow 20 [m3/h]	1.843
2222000110789	MLN_BE080FM	Magnetic dirt separator, flange DN80, nominal flow 27,0 [m3/h]	2.451
2222000106782	MLN_BE100FM	Magnetic dirt separator, flange DN100, nominal flow 43,0 [m3/h]	2.597
2222000111601	MLN_BE125FM	Magnetic dirt separator, flange DN125, nominal flow 72,0 [m3/h]	5.085
2222000111618	MLN_BE150FM	Magnetic dirt separator, flange DN150, nominal flow 108,0 [m3/h]	5.400

**C DHW HEAT PUMPS - EQUIPMENT****C-1 VENTILATION PIPES AND EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000073428	SET_WP1 LF	Air intake and exhaust set for WP1, 2 x VE-90, 2 x HE-90, 4 x FD-100, 4 x C-10	168
2222000057893	KL_VE-90	Vertical elbow for ventilation pipe 55 [mm] x 110 [mm]	16
2222000047009	KL_HE-90	Horizontal elbow for ventilation pipe 55 [mm] x 110 [mm]	16
2222000022372	CE_FD-100	Ventilation pipe 55 [mm] x 110 [mm], length 1 [m]	23
2222000003777	SP_C-10	Coupling for ventilation pipe 55 [mm] x 110 [mm]	9
2222000003784	RE_GF-10	Ventilation grille 55 [mm] x 110 [mm]	34
2222000073435	SET_WP2 LF/1	Air intake and exhaust set for WP2, 2 x BIR-C 90, 2 x 2 m pipe, 6 x BIR-C-VM-150	491
2222000073497	SET_WP2 LF/2	Air intake and exhaust set for WP2, 2 x BIR-C 90, 2 x BIR-C 45, 4 x BIR-C 150/2000, 10 x BIR-C-VM-150	926
2222000073442	KL_BIR-C 90	Elbow for ventilation pipe 90°, 150 [mm]	44
2222000073459	KL_BIR-C 45	Elbow for ventilation pipe 45°, 150 [mm]	41
2222000073466	KL_BIR-C 30	Elbow for ventilation pipe 30°, 150 [mm]	41
2222000073473	CE_BIR-C 150/2000	Ventilation pipe 150 [mm], length 2 [m]	143
2222000073480	SP_BIR-C-VM-150	Coupling for ventilation pipe 150 [mm]	28

**C-2 CONTROLLER**

Item code	Item name	Description	Price without VAT [EUR]
2222000087098	WM_WM WP2-4 SET	Web module for WP2-4 set, connection cable	424
2222000017514	KN_CEC07.01	Contact for additional SH heater for WP4	33

**C-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000081591	NN_WP2	Leveling feet for WP2	44
2222000092146	SET_SOLAR WP2-4	Solar set for WP2-4	1.498

**G HEAT PUMPS - EQUIPMENT****G-20 HYDRAULIC UNITS - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000116163	ZA_P 40	Buffer tank with insulation for HYDRO C2/CR, 40 [l] buffer tank	520	570	175	24	549
2222000121549	HYDRO P2	Buffer tank for HYDRO S2/SR, 40 [l] buffer tank, connections 2 x G 5/4" IT, R 1" OT	525	620	175	30	705
2222000121556	HYDRO A2	Wall mount and spacer for HYDRO S2/SR	525	620	58	5	123
2222000122676	SET_PO HYDRO	Filling set for HYDRO C2/S2/CR/SR/WR KSM/WR KSM 2; the necessary accessory is KIT_PP WR KSM 2	-	-	-	-	289

**G-11 VERSI - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000129545	KIT_MAD F - S	Modular air deflector kit for VERSI-X, balcony configuration, front and side deflector, two clamps and spacer	799
2222000129552	KIT_MAD T - S	Modular air deflector kit for VERSI-X, balcony configuration, top and side deflector, two clamps and spacer	745
2222000129569	KIT_MAD F - T	Modular air deflector kit for VERSI-X, balcony configuration, front and top deflector, two clamps and spacer	807
2222000127428	MAD_F VERSI-X	Modular air deflector for VERSI-X, balcony configuration, front, 1 piece	521
2222000127435	MAD_S VERSI-X	Modular air deflector for VERSI-X, balcony configuration, side, 1 piece	414
2222000127442	MAD_T VERSI-X	Modular air deflector for VERSI-X, balcony configuration, top, 1 piece	438
2222000125509	NR_VERSI	Carry handles for VERSI	72

**G-1 CONTROLLERS AND THERMOSTATS**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000105280	KT-2A	Wall room thermostat (KSM, TT3000) and controller (KSM)	80	123	9	437
2222000050566	KT-1	Wall room thermostat for KSM and TT3000	80	80	9	156
2222000048754	ND_KT-1	Wall-mounted junction box for KT-1	70	70	9	47
2222000112844	KIT_P2P KT-1/KT-2A	Kit for upgrading a 2-wire cable for connecting KT-1/2A and KSM	-	-	-	150

**G-2 CONTROLLERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000081454	TT3000	WPL heat pump control unit, single-phase connection 1 x C16	1.443
2222000125745	WR KSM 2	KSM wall control unit, basic module; the necessary accessory is an electric heater (e.g. PG_6/PG_12) and, in the case of a cascade solution, KIT_TTI000	1.741
2222000112691	WR KSM C	KSM wall control unit, cascade module	1.495

**G-3 EXPANSION MODULES**

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000082284	TT3003	Expansion module for TT3000 control unit	416	300	83	3	642
2222000122492	KSM+ 2	Expansion module for KSM - HYDRO C2/S2/CR/SR	265	130	50	0,8	514
2222000107130	HYDRO PWM-R	Relay module for HYDRO C2/S2/CR/SR and circulating pumps	-	-	-	-	110
2222000112684	WR KSM+	KSM wall control unit, expansion module	200	350	85	-	656
2222000118174	WR PWM-R	Relay module for WR KSM 2 and circulating pumps	200	350	85	-	110
2222000129194	KIT_PP WR KSM 2	Pressure sensor kit for WR KSM 2, voltage probe	-	-	-	-	139



**G-6 FREQUENCY CONVERTERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000118969	FP_1,5 IP20	Frequency converter, 1,5 [kW], 3 x 380-480 [V], IP20	1.503
2222000104627	FP_2,2 IP20	Frequency converter, 2,2 [kW], 3 x 380-480 [V], IP20	1.592
2222000116552	FP_3,0 IP20	Frequency converter, 3,0 [kW], 3 x 380-480 [V], IP20	1.907
2222000108342	FP_4,0 IP20	Frequency converter, 4,0 [kW], 3 x 380-480 [V], IP20	2.139
2222000111663	FP_5,5 IP20	Frequency converter, 5,5 [kW], 3 x 380-480 [V], IP20	2.268
2222000040215	FP_SET FC300	Set for mounting the frequency display on the door of the electrical cabinet	125

**G-10 ADAPT - ADDITIONAL EQUIPMENT**

Item code	Item name	Description	Price without VAT [EUR]
2222000108571	SD_SIM ADAPT	ADAPT heat pump operation simulator	1.536
2222000116460	SET_HC ADAPT	Set with heating cable for diffuser ADAPT	70
2222000105297	ST_DESIGN NERO	ADAPT NERO panels set	2.477
2222000105327	ST_DESIGN OLIO	ADAPT OLIO panels set	2.477
2222000105303	ST_DESIGN INOX	ADAPT INOX panels set	3.615
2222000105310	ST_DESIGN CORTEN	ADAPT CORTEN panels set	2.994
2222000120283	ST_DESIGN NEBBIA	ADAPT NEBBIA panels set	2.879
2222000120276	ST_DESIGN ANTHRACITE	ADAPT ANTHRACITE panels set	2.879
2222000114510	ST_DESIGN INDIVIDUAL	ADAPT INDIVIDUAL panels set	5.153

**G-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000116521	PG_6	Electric flowthrough heater, G 5/4" OT, power supply 3 x 230 [V], power 6 [kW]	543
2222000116538	PG_12	Electric flowthrough heater, G 6/4" IT, power supply 3 x 230 [V], power 12 [kW]	1.190
2222000126247	KIT_SECMONO	Upgrade Software Kit with 230 [V] supply cable and communication interface	740
2222000126162	KIT_PLC MBIO SECMONO	Upgrade Software Kit with universal 12 [V] power supply and communication interface for KSM, SecMONO and TT3000	867

## H HEAT SOURCE - EQUIPMENT

### H-1 BASES AND CONSOLES

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Net weight [kg]	Price without VAT [EUR]
2222000125738	ZBT_VERSI-O	Concrete base for VERSI-O	800	300	600	140	318
2222000120535	TKT_VERSI-O	Metal base for VERSI-O	800	106	600	18	374
2222000126377	SK_VERSI-O	Wall mount for VERSI-O	-	-	-	23	428
2222000106799	TKT_ADAPT	Metal base for ADAPT	1050	106	675	27	551
2222000106805	ZKT_ADAPT	Metal base for ADAPT - ground	1050	320	675	47	698

### H-2 CONNECTING PIPES

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000110192	PCT_350-700	Cover for connecting pipes - straight, for ADAPT and VERSI-O	350 - 700	107	240	104
2222000110741	PCT_K	Cover for connecting pipes - angular, for ADAPT and VERSI-O	380	107	380	93
2222000116453	VIV_108601	Safety drain valve, G 1" OT	-	-	-	115
2222000116965	VIV_108701	Safety drain valve, G 5/4" OT	-	-	-	135

### H-5 PASSIVE COOLING

Item code	Item name	Description	W [mm]	H [mm]	D [mm]	Price without VAT [EUR]
2222000094683	MODUL_PASIVA	Module for passive cooling, cooling power up to 15 [kW], min. flow - prim. side up to 3,15 [m <sup>3</sup> /h], 4 x G 5/4" OT connections	440	710	230	1.719

MODUL\_PASIVA contains: insulated heat exchanger in the housing without controller, 1 x switching valve with motor drive (switching between heating and cooling system and switching the water flow of the heat source between the heat pump and the module) and electrical junction box. MODUL\_PASIVA is ready for connection to the controller of the heat pump TT 3000 for controlling the temperature of passive cooling and the circulating pump of the heat source.

### H-6 INTERMEDIATE HEAT EXCHANGERS

Item code	Item name	Description	Price without VAT [EUR]
2222000113223	LPT_0324	Brazed plate heat exchanger for WPG, VERSI, ADAPT in WPLV	956
2222000126216	LPT_30_TSV	Brazed plate heat exchanger for DHW production	1.389
2222000094669	MODUL_PIL-K 13	Module with a heat exchanger for WPG-7/10/15, VERSI-O/-I/-X, ADAPT 0312 and 0416 protection, 4 x G 1" OT connections	1.553
2222000094676	MODUL_PIL-K 20	Module with a heat exchanger for WPG-18/21 and ADAPT 0724 protection, 4 x G 1" OT connections	1.743
2222000119737	LPT_3045	Brazed plate heat exchanger for WPG-30/40 and WPL-31/45	2.538
2222000119744	LPT_5570	Brazed plate heat exchanger for WPG-55/60 and WPL-70	3.257
2222000119751	LPT_8090	Brazed plate heat exchanger for WPG-80 and WPL-90	3.818
2222000115678	LPT_110	Brazed plate heat exchanger for WPG-110	4.537
2222000119768	RPT_3040	Gasketed plate heat exchanger for WPG-30/40	7.051
2222000119775	RPT_5560	Gasketed plate heat exchanger for WPG-55/60	8.730
2222000119782	RPT_80110	Gasketed plate heat exchanger for WPG-80/110	13.623
2222000119799	RPT_145	Gasketed plate heat exchanger for WPG-145	16.957
2222000119805	RPT_2x80	Gasketed plate heat exchanger for a system of 2 x WPG-80	19.884
2222000119812	RPT_2x110	Gasketed plate heat exchanger for a system of 2 x WPG-145	23.338

The heat exchanger assembly includes a heat exchanger and a mounting bracket.

Brazed plate heat exchangers are thermally insulated.

Gasketed plate heat exchangers are not thermally insulated.

MODUL\_PIL contains: protective heat exchanger, expansion tank, mixing valve, pressure gauge, safety valve, drain valve and electrical junction box with contactor. The cross-section of the connecting lines between the heat pump and module must be dimensioned accordingly. The pipe connection must be filled with a suitable mixture of anti-freeze liquid and water.

**H-7 VERSI - EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000123321	SPK_R 400/315	Wall adapter for grille, fi 400/315, 9 [mm] insulation, 1 piece	214
2222000123338	SPK_P 315/315	Wall adapter for perforated hood and roof pieces, fi 315/600, 9 [mm] insulation, 1 piece	142
2222000126360	PK_VERSI 500x250/315	Air duct adapter for VERSI, 250 x 500 x fi 315, with gasket and 19 [mm] insulation, 1 piece	300
2222000126322	CE_VERSI 315 FLEXI	Flexible air duct for VERSI, connections fi 315 [mm], length 1,1 [m], 1 piece, 2 x gasket	159

**H-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000045289	VF_ATC-10	Water filter for ground water for WPG-07, R 1" OT connections, 150 [mcr] mesh	259
2222000044299	VF_ATC-32	Water filter for ground water for WPG-10/21, R 5/4" OT connections, 150 [mcr] mesh	385
2222000047863	VF_ATC-50	Water filter for ground water for WPG-30/80, R 2" OT connections, mesh 150 [mcr]	925
2222000119270	VF_ATC-65	Water filter for ground water for WPG-80/110, 2 x flange connection DN65, 150 [mcr] mesh	1.058
2222000081744	VF_ATC-80	Water filter for ground water for WPG-110, DN80 connections, mesh 150 [mcr]	1.177

**I HEATING SYSTEM - EQUIPMENT****I-1 PUMP SETS**

Item code	Item name	Description	Price without VAT [EUR]
2222000102449	CS_DN25 D	Heating circuit pump set, direct, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	459
2222000102401	CS_DN25 M	Heating circuit pump set, mixing, DN25, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	597
2222000102425	CS_DN32 D	Heating circuit pump set, direct, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8	925
2222000102395	CS_DN32 M	Heating circuit pump set, mixing, DN32, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 5/4" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	1.076
2222000108083	CS_DN25 D PWM2	PWM2 heating circuit pump set, direct, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8	477
2222000108090	CS_DN25 M PWM2	PWM2 heating circuit pump set, mixing, DN25, PWM2, 2 x ball valve, 2 x thermometer, primary G 6/4" OT, secondary G 1" IT, distance between connections 125 [mm], EC pump 25 / 1-8 and 3-way mixing valve with actuator	628

**I-2 CIRCULATION PUMPS**

Item code	Item name	Description	Price without VAT [EUR]
2222000139636	OC_YONOS PICO1.0 25/1-4	Highly efficient circulating pump for heating and cooling systems, power 4-20 [W], flow 1,5 [m3/h], pressure 1,8 [bar]	283
2222000139643	OC_YONOS PICO1.0 25/1-6	Highly efficient circulating pump for heating and cooling systems, power 4-40 [W], flow 2,0 [m3/h], pressure 3,0 [bar]	321
2222000109820	OC_STRATOS MAXO 30/0,5-8	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	1.696
2222000118907	OC_STRATOS MAXO 30/0,5-10 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 275 [W], flow 12 [m3/h], pressure 1 [bar]	1.842
2222000109844	OC_STRATOS MAXO 30/0,5-12	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 7 - 295 [W], flow 12 [m3/h], pressure 1,1 [bar]	1.991
2222000109837	OC_STRATOS MAXO 40/0,5-8 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	2.222
2222000099534	OC_YONOS MAXO 40/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-550 [W], flow 21,0 [m3/h], pressure 1,2 [bar]	1.988
2222000112547	OC_STRATOS MAXO 40/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.756
2222000139674	OC_STRATOS MAXO 40/0,5-12 PN6/10-R7	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 570 [W], flow 27 [m3/h], pressure 1,2 [bar]	2.849
2222000112554	OC_STRATOS MAXO 40/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 10 - 640 [W], flow 30 [m3/h], pressure 1,6 [bar]	3.785
2222000099527	OC_YONOS MAXO 50/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 15-600 [W], flow 25,4 [m3/h], pressure 1,1 [bar]	2.687
2222000119058	OC_STRATOS MAXO 50/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, threaded connection, power 20 - 1480 [W], flow 53 [m3/h], pressure 1,6 [bar]	4.877
2222000099541	OC_YONOS MAXO 65/0,5-12	Highly efficient circulating pump for heating and cooling systems, power 40-800 [W], flow 42,0 [m3/h], pressure 1,1 [bar]	3.049
2222000112561	OC_STRATOS MAXO 65/0,5-12 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 950 [W], flow 46 [m3/h], pressure 1,2 [bar]	4.299
2222000112578	OC_STRATOS MAXO 65/0,5-16 PN6/10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1440 [W], flow rate 54 [m3/h], pressure 1,6 [bar]	5.401
2222000112585	OC_STRATOS MAXO 80/0,5-12 PN10	Highly efficient circulating pump for heating and cooling systems, flange connection, power 20 - 1410 [W], flow 67 [m3/h], pressure 1,2 [bar]	6.076
2222000109813	CM_CIF MODBUS RTU	Stratos MAXO circulation pump connection module to building management system (BMS)	203

2222000112011	OC_STRATOS MAXO-Z 30/0,5-8 PN10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 160 [W], flow 9,8 [m3/h], pressure 0,8 [bar]	2.698
2222000112592	OC_STRATOS MAXO-Z 40/0,5-8 PN6/10	Highly efficient circulating pump for sanitary water, threaded connection, power 7 - 280 [W], flow 21 [m3/h], pressure 0,8 [bar]	3.533
2222000128708	OC_STAR-Z 25/6-3	High-efficiency circulation pump for DHW preparation with external LPT heat exchanger, threaded connection, power 99 [W], flow 2,5 [m3/h], pressure 0,34 [bar]	574

### I-3 DISTRIBUTORS

Item code	Item name	Description	Price without VAT [EUR]
2222000102487	HR_DN25-2V I	Distributor with insulation, DN25 - 2V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	311
2222000102470	HR_DN25-3V I	Distributor with insulation, DN25 - 3V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	390
2222000102456	HR_DN25-4V I	Distributor with insulation, DN25 - 4V, primary R 6/4" OT, secondary R 6/4" IT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	477
2222000102432	HR_DN32-2V I	Distributor with insulation, DN32 - 2V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	511
2222000102418	HR_DN32-3V I	Distributor with insulation, DN32 - 3V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	635
2222000102388	HR_DN32-4V I	Distributor with insulation, DN32 - 4V, primary R 2" OT, secondary R 5/4" OT, distance between connections 125 [mm], max. 8 [bar], max 110 [°C]	844

### I-4 HYDRAULIC SEPARATORS

Item code	Item name	Description	Price without VAT [EUR]
2222000102494	HL_DN25	Hydraulic separator, DN25, primary R 5/4" IT, secondary R 6/4" IT, max 8 [bar], max 110 [°C]	210
2222000102463	HL_DN32	Hydraulic separator, DN32, primary R 2" OT, secondary R 2" OT, max 8 [bar], max 110 [°C]	464

**I-5 MAGNETIC DIRT SEPARATORS**

Item code	Item name	Description	Price without VAT [EUR]
2222000068806	MLN_UE028WJ	Magnetic dirt separator, coupling 28 [mm], nominal flow 2 [m3/h]	270
2222000096717	MLN_UE100WJ	Magnetic dirt separator, R 1" IT, nominal flow 2 [m3/h]	259
2222000096700	MLN_UE125WJ	Magnetic dirt separator, R 5/4" IT, nominal flow 3,6 [m3/h]	374
2222000073619	MLN_UE150WJ	Magnetic dirt separator, R 6/4" IT, nominal flow 5 [m3/h]	419
2222000073626	MLN_UE200WJ	Magnetic dirt separator, R 2" IT, nominal flow 7,5 [m3/h]	813
2222000096724	MLN_BE050FM	Magnetic dirt separator, flange DN50, nominal flow 12,5 [m3/h]	1.787
2222000096731	MLN_BE065FM	Magnetic dirt separator, flange DN65, nominal flow 20 [m3/h]	1.843
2222000110789	MLN_BE080FM	Magnetic dirt separator, flange DN80, nominal flow 27,0 [m3/h]	2.451
2222000106782	MLN_BE100FM	Magnetic dirt separator, flange DN100, nominal flow 43,0 [m3/h]	2.597
2222000111601	MLN_BE125FM	Magnetic dirt separator, flange DN125, nominal flow 72,0 [m3/h]	5.085
2222000111618	MLN_BE150FM	Magnetic dirt separator, flange DN150, nominal flow 108,0 [m3/h]	5.400

**I-8 VALVE**

Item code	Item name	Description	Price without VAT [EUR]
2222000060718	TVE_EMV 3P 525-32	3-way switching valve, G 5/4" OT	96
2222000034580	EMP_EMV 110-K	Actuator for a 3-way switching valve	95

## J DHW CYLINDERS AND BUFFER TANKS

ATTENTION: INSULATION FOR DHW CYLINDERS AND BUFFER TANKS MUST BE ORDERED SEPARATELY!

Item code	Item name	Description	Volume [m3]	Heat exchanger below [m2]	Heat exchanger above [m2]	Heat exchanger connection	Heating connections	Connections cold/hot water	Circulation connections	W / Ø [mm]	H [mm]	Net weight [kg]	Price without VAT [EUR]	Price of a set without VAT [EUR]
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### J-1 STANDARD DHW CYLINDERS

2222000087234	BO_HT 160 ERM	DHW cylinder	160	0,57	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	610	1118	66	1.080	1.202
2222000087241	PL_HT 160 ERM	Foil jacket for HT-160-ERM										2	122	
2222000060831	BO_HT 200 ERM	DHW cylinder	200	0,91	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	610	1340	78	999	1.116
2222000060855	PL_HT 200 ERM	Foil jacket for HT-200-ERM										2	117	
2222000087210	BO_HT 300 ERM	DHW cylinder	300	1,40	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	610	1797	105	1.122	1.233
2222000087227	PL_HT 300 ERM	Foil jacket for HT-300-ERM										2	111	
2222000011857	BO_HT 400 ERM	DHW cylinder	400	1,76	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	680	1832	134	1.345	1.470
2222000087258	PL_HT 400 ERM	Foil jacket for HT-400-ERM										2	125	
2222000031862	BO_HT 500 ERM	DHW cylinder	500	1,95	-	G 1" NN	-	G 1" ZN	G 1" ZN	760	1838	147	1.608	1.750
2222000060800	PL_HT 500 ERM	Foil jacket for HT-500-ERM										3	142	

The DHW cylinder is enamelled according to DIN 4753. It contains a tubular heat exchanger, 5 cm hard PU insulation, gray-silver polystyrene jacket, flange Ø180 mm, Mg-anode and threaded connection 6/4" for the installation of an electric heater type NEG\_SH.

### J-2 HIGH-EFFICIENCY DHW CYLINDERS FOR HEAT PUMPS

2222000025144	BO_HR 160	DHW cylinder	160	1,40	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	600	1118	67	1.112	1.203
2222000031169	PL_HR 160	Foil jacket for HR-160										1	91	
2222000025175	BO_HR 200	DHW cylinder	200	1,80	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	600	1340	81	1.187	1.281
2222000021955	PL_HR 200	Foil jacket for HR-200										1	94	
2222000025175	BO_HR 200	DHW cylinder	200	1,80	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	600	1340	81	1.187	1.281
2222000125523	PL_HR 200 W	Foil jacket for HR-200, white										1	94	
2222000002848	BO_HR 300	DHW cylinder	300	2,60	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	600	1797	111	1.439	1.550
2222000006525	PL_HR 300	Foil jacket for HR-300										2	111	
2222000025205	BO_HR 400	DHW cylinder	400	3,80	-	G 1" NN	-	G 1" ZN	G 3/4" ZN	670	1832	160	1.830	1.955
2222000023089	PL_HR 400	Foil jacket for HR-400										2	125	
2222000025229	BO_HR 500	DHW cylinder	500	4,00	-	G 1" NN	-	G 1" ZN	G 1" ZN	750	1838	171	2.081	2.223
2222000003159	PL_HR 500	Foil jacket for HR-500										2	142	
2222000070342	BO_HRS 200	DHW cylinder	200	2,50	-	G 5/4" ZN	-	G 1" ZN	G 3/4" ZN	610	1295	93	1.504	1.608
2222000075651	PL_HRS 200	Foil jacket for HRS-200										1	104	
2222000002855	BO_HRS 300	DHW cylinder	300	3,50	-	G 5/4" ZN	-	G 1" ZN	G 3/4" ZN	680	1435	161	1.822	1.948
2222000026189	PL_HRS 300	Foil jacket for HRS-300										2	126	
2222000025281	BO_HRS 400	DHW cylinder	400	5,00	-	G 5/4" ZN	-	G 1" ZN	G 3/4" ZN	680	1800	203	2.411	2.543

2222000025939	PL_HRS 400	Foil jacket for HRS-400										2	132	
2222000025304	BO_HRS 500	DHW cylinder	500	6,00	-	G 5/4" ZN	-	G 1" ZN	G 1" ZN	760	1806	245	2.618	2.767
2222000025915	PL_HRS 500	Foil jacket for HRS-500										2	149	
2222000029869	BO_HRS 750	DHW cylinder	750	6,00	-	G 5/4" ZN	-	G 6/4" ZN	G 5/4" ZN	1000	2000	308	3.424	4.242
2222000065690	IZ_ECO SKIN 2.0 HRS 7	Insulation for HRS 750										26	818	
2222000029982	BO_HRS 900	DHW cylinder	900	7,50	-	G 5/4" ZN	-	G 6/4" ZN	G 5/4" ZN	1000	2350	365	3.862	4.757
2222000064501	IZ_ECO SKIN 2.0 HRS 9	Insulation for HRS 900										25	895	
2222000050313	BO_WPS 304 TT	DHW cylinder for heat pumps	282	4,00	-	R 5/4" ZN	R 1" ZN	R 1" ZN	R 3/4" ZN	700	1294	132	2.061	
2222000138493	BO_OKC 300 NTR/HP	DHW cylinder	286	3,20	-	1" ZN	-	1" ZN	3/4" NN	670	1558	133	1.850	

The DHW cylinder is enamelled according to DIN 4753. It contains a double large-surface tubular heat exchanger, 5 cm hard PU insulation, gray-silver polystyrene jacket, flange  $\Phi 180$  mm, Mg-anode and threaded connection 6/4 "for the installation of an electric heater type NEG\_SH. DHW cylinders HRS 750 and HRS 900 have a  $\Phi 240$  mm flange.

### J-3 COMBINATION - DHW CYLINDER AND BUFFER TANKS

2222000074296	BZ_WPS 150/304 TT	Buffer tank and DHW cylinder set for heat pumps	269/150	4,00	-	R 5/4" ZN	R 1" ZN	R 1" ZN	R 3/4" ZN	700	2000	210	2.888	
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### J-4 SOLAR DHW CYLINDERS

2222000087265	BO_HT 200 ERMR	DHW cylinder	200	0,91	0,70	G 1" NN	-	G 1" ZN	G 3/4" ZN	610	1340	81	1.120	1.214
2222000087272	PL_HT 200 ERMR	Film jacket for HT-200-ERMER										2	94	
2222000012779	BO_HT 300 ERMR	DHW cylinder	300	1,40	0,93	G 1" NN	-	G 1" ZN	G 3/4" ZN	610	1797	81	1.185	1.296
2222000087296	PL_HT 300 ERMR	HT-300-ERMER film jacket										2	111	
2222000036591	BO_HT 400 ERMR	DHW cylinder	400	1,76	0,93	G 1" NN	-	G 1" ZN	G 3/4" ZN	680	1832	147	1.567	1.692
2222000087302	PL_HT 400 ERMR	HT-400-ERMER film jacket										2	125	
2222000048303	BO_HT 500 ERMR	DHW cylinder	500	1,95	0,96	G 1" NN	-	G 1" ZN	G 1" ZN	760	1838	162	1.787	1.929
2222000087326	PL_HT 500 ERMR	HT-500-ERMER film jacket										3	142	

The DHW cylinder is enamelled according to DIN 4753. It contains two tubular heat exchangers, 5 cm hard PU insulation, a gray-silver polystyrene jacket, a flange  $\Phi 180$  and a Mg anode.

2222000036737	BO_WP SOL 350	DHW cylinder	350	1,20	3,50	G 5/4" NN G 1" NN	-	G 1" ZN	G 3/4" ZN	670	1834	178	2.494	2.637
2222000035617	PL_WP SOL 350	WP-SOL-350 insulation jacket										2	143	
2222000040925	BO_WP SOL 600	DHW cylinder	600	1,50	4,30	G 5/4" NN G 1" NN	-	G 1" ZN	G 1" ZN	850	2130	245	3.303	3.954
2222000012199	IZ_ECO SKIN 2.0 WP SOL 6	WP-SOL-600 insulation jacket										22	651	



**J-5 HORIZONTAL DHW CYLINDERS**

2222000006457	BO_LSP 200	Horizontal DHW cylinder	200	1,30	-	G 1" ZN	-	G 1" ZN	G 1" ZN	600	550	108	1.684
2222000019785	BO_LSP 350	Horizontal DHW cylinder	350	1,60	-	G 1" ZN	-	G 5/4" ZN	G 1" ZN	750	750	221	3.907
2222000019808	BO_LSP 500	Horizontal DHW cylinder	500	2,00	-	G 1" ZN	-	G 5/4" ZN	G 1" ZN	750	750	239	4.227

**J-6 LARGE-SIZED DHW CYLINDERS**

2222000025052	BO_VT-N 800 FRM	DHW cylinder without insulation	800	2,00	-	G 5/4" NN G 1" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2000	215	2.719	3.368
2222000019617	IZ_ECO SKIN 2.0 VT-N/S 8-FRM	Insulation for VT-N 800 FRMR, VT-S 800 FRM and VT-S 800 FRMR										21	649	
2222000007485	BO_VT-N 800 FRMR	DHW cylinder without insulation	800	2,00	1,20	G 5/4" NN G 1" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2000	233	2.958	3.607
2222000019617	IZ_ECO SKIN 2.0 VT-N/S 8-FRM	Insulation for VT-N 800 FRMR, VT-S 800 FRM and VT-S 800 FRMR										21	649	
2222000006587	BO_VT-N 1000 FRM	DHW cylinder without insulation	1000	2,40	-	G 5/4" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2350	240	3.217	3.946
2222000021849	IZ_ECO SKIN 2.0 VT-N/S 10 FRM	Insulation for VT-N 1000 FRM, VT-N 1000 FRMR, VT-S 1000 FRM and VT-S 1000 FRMR										23	729	
2222000007379	BO_VT-N 1000 FRMR	DHW cylinder without insulation	1000	2,40	1,20	G 5/4" NN G 1" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2350	258	3.457	4.186
2222000021849	IZ_ECO SKIN 2.0 VT-N/S 10 FRM	Insulation for VT-N 1000 FRM, VT-N 1000 FRMR, VT-S 1000 FRM and VT-S 1000 FRMR										23	729	
2222000007461	BO_VT 1500 FM	DHW cylinder without insulation	1500	-	-	-	-	G 2" ZN	G 2" ZN	1200	2215	280	5.392	6.253
2222000102302	IZ_ECO SKIN VT 1500 FM / FRM / FRMR	ECO SKIN insulation for VT 1500 FM										861		
2222000027186	BO_VT 1500 FRM	DHW cylinder without insulation	1500	4,12	-	G 5/4" NN	-	G 2" ZN	G 2" ZN	1200	2215	335	5.954	6.815
2222000102302	IZ_ECO SKIN VT 1500 FM / FRM / FRMR	ECO SKIN insulation for VT 1500 FM										861		
2222000028213	BO_VT 1500 FRMR	DHW cylinder without insulation	1500	2,42	2,42	G 5/4" NN	-	G 2" ZN	G 2" ZN	1200	2215	355	6.484	7.345
2222000102302	IZ_ECO SKIN VT 1500 FM / FRM / FRMR	ECO SKIN insulation for VT 1500 FM										861		
2222000102340	BO_VT 2000 FM	DHW cylinder without insulation	2000	-	-	-	-	G 2" ZN	G 2" ZN	1450	2130	400	5.736	6.853
2222000102371	IZ_ECO SKIN VT 2000 FM	ECO SKIN insulation for VT 2000 FM										1.117		
2222000019594	BO_VT 2000 FRM	DHW cylinder without insulation	2000	5,72	-	G 5/4" NN	-	G 2" ZN	G 2" ZN	1450	2130	495	7.325	8.442
2222000102333	IZ_ECO SKIN VT 2000 FRM / FRMR	ECO SKIN insulation for VT 2000 FRMR										1.117		
2222000028299	BO_VT 2000 FRMR	DHW cylinder without insulation	2000	3,08	3,08	G 5/4" NN	-	G 2" ZN	G 2" ZN	1450	2130	495	7.824	8.941
2222000102333	IZ_ECO SKIN VT 2000 FRM / FRMR	ECO SKIN insulation for VT 2000 FRMR										1.117		

**J-7 LARGE HIGH-EFFICIENCY DHW CYLINDERS**

2222000102364	BO_VT-S 800 FFM	DHW cylinder without insulation	800	-	-	-	-	G 6/4" ZN	G 5/4" ZN	1000	2000	213	2.809	3.458
2222000081911	IZ_ECO SKIN 2.0 VT-N/S 8 FFM	Insulation for VT-S 800 FFM										21	649	
2222000036744	BO_VT-S 800 FRM	DHW cylinder without insulation	800	2,76	-	G 5/4" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2000	255	3.081	3.730
2222000019617	IZ_ECO SKIN 2.0 VT-N/S 8-FRM	Insulation for VT-N 800 FRMR, VT-S 800 FRM and VT-S 800 FRMR										21	649	
2222000019488	BO_VT-S 800 FRMR	DHW cylinder without insulation	800	2,76	1,20	G 5/4" NN G 1" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2000	271	3.513	4.162
2222000019617	IZ_ECO SKIN 2.0 VT-N/S 8-FRM	Insulation for VT-N 800 FRMR, VT-S 800 FRM and VT-S 800 FRMR										21	649	
2222000102357	BO_VT-S 1000 FFM	DHW cylinder without insulation	1000	-	-	-	-	G 6/4" ZN	G 5/4" ZN	1000	2350	265	3.199	3.928
2222000029180	IZ_ECO SKIN 2.0 VT-N/S 10 FFM	Insulation for VT-S 1000 FFM										23	729	
2222000041939	BO_VT-S 1000 FRM	DHW cylinder without insulation	1000	3,51	-	G 5/4" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2350	314	3.937	4.666
2222000021849	IZ_ECO SKIN 2.0 VT-N/S 10 FRM	Insulation for VT-N 1000 FRM, VT-N 1000 FRMR, VT-S 1000 FRM and VT-S 1000 FRMR										23	729	
2222000018979	BO_VT-S 1000 FRMR	DHW cylinder without insulation	1000	3,51	1,20	G 5/4" NN G 1" NN	-	G 6/4" ZN	G 5/4" ZN	1000	2350	335	4.089	4.818
2222000021849	IZ_ECO SKIN 2.0 VT-N/S 10 FRM	Insulation for VT-N 1000 FRM, VT-N 1000 FRMR, VT-S 1000 FRM and VT-S 1000 FRMR										23	729	

**J-8 DHW CYLINDERS WITHOUT HEAT EXCHANGER**

2222000041946	BO_LDS 200	DHW cylinder without heat exchanger	200	-	-	-	-	G 5/4" ZN	G 1" NN	600	1300	86	1.425	
2222000041953	BO_LDS 300	DHW cylinder without heat exchanger	300	-	-	-	-	G 5/4" ZN	G 1" NN	600	1758	104	1.599	
2222000041960	BO_LDS 400	DHW cylinder without heat exchanger	400	-	-	-	-	G 5/4" ZN	G 1" NN	670	1785	130	1.952	
2222000042028	BO_LDS 500	DHW cylinder without heat exchanger	500	-	-	-	-	G 5/4" ZN	G 1" NN	750	1806	171	2.219	
2222000042110	BO_LDS 800	DHW cylinder without heat exchanger and insulation jacket	800	-	-	-	-	G 2" ZN	G 1" NN	990	2000	178	2.983	3.682
2222000044336	IZ_ECO SKIN 2.0 LDS 8	Insulation for LDS 800										21	699	
2222000042134	BO_LDS 1000	DHW cylinder without heat exchanger and insulation jacket	1000	-	-	-	-	G 2" ZN	G 1" NN	990	2350	240	3.711	4.490
2222000081928	IZ_ECO SKIN 2.0 LDS 10	Insulation for LDS 1000										23	779	

**J-9 LARGE STRATIFIED BUFFER TANKS**

2222000030056	ZA_PZ 500	Buffer tank without insulation	500	-	-	-	G 6/4" NN	-	-	850	1725	76	852	1.460
2222000054830	IZ_ECO SKIN 2.0 PZ5	Insulation for 500 l buffer tanks, type PZ, PZR and PZRR										16	608	
2222000030131	ZA_PZR 500	Buffer tank without insulation	500	1,90	-	G 1" NN	G 6/4" NN	-	-	850	1725	100	1.207	1.815
2222000054830	IZ_ECO SKIN 2.0 PZ5	Insulation for 500 l buffer tanks, type PZ, PZR and PZRR										16	608	
2222000030148	ZA_PZRR 500	Buffer tank without insulation	500	1,90	1,20	G 1" NN	G 6/4" NN	-	-	850	1725	116	1.485	2.093
2222000054830	IZ_ECO SKIN 2.0 PZ5	Insulation for 500 l buffer tanks, type PZ, PZR and PZRR										16	608	
2222000032494	ZA_PZ 800	Buffer tank without insulation	800	-	-	-	G 6/4" NN	-	-	990	1785	93	1.254	1.941
2222000079826	IZ_ECO SKIN 2.0 PZ8	Insulation for 800 l buffer tanks, type PZ, PZR and PZRR										21	687	
2222000032531	ZA_PZR 800	Buffer tank without insulation	800	2,40	-	G 1" NN	G 6/4" NN	-	-	990	1785	125	1.656	2.343
2222000079826	IZ_ECO SKIN 2.0 PZ8	Insulation for 800 l buffer tanks, type PZ, PZR and PZRR										21	687	
2222000032579	ZA_PZRR 800	Buffer tank without insulation	800	2,40	1,60	G 1" NN	G 6/4" NN	-	-	990	1785	155	1.998	2.685
2222000079826	IZ_ECO SKIN 2.0 PZ8	Insulation for 800 l buffer tanks, type PZ, PZR and PZRR										21	687	

2222000032623	ZA_PZ 1000	Buffer tank without insulation	1000	-	-	-	G 6/4" NN	-	-	990	2135	109	1,279	2.030
2222000064297	IZ_ECO SKIN 2.0 PZ10	Insulation for 1000 l buffer tanks, type PZ, PZR and PZRR										21	751	
2222000032654	ZA_PZR 1000	Buffer tank without insulation	1000	3,00	-	G 1" NN	G 6/4" NN	-	-	990	2135	147	1,823	2.574
2222000064297	IZ_ECO SKIN 2.0 PZ10	Insulation for 1000 l buffer tanks, type PZ, PZR and PZRR										21	751	
2222000032678	ZA_PZRR 1000	Buffer tank without insulation	1000	3,00	2,40	G 1" NN	G 6/4" NN	-	-	990	2135	180	2,375	3.126
2222000064297	IZ_ECO SKIN 2.0 PZ10	Insulation for 1000 l buffer tanks, type PZ, PZR and PZRR										21	751	
2222000032692	ZA_PZ 1500	Buffer tank without insulation	1500	-	-	-	G 6/4" NN	-	-	1200	2235	195	1,938	2.843
2222000015695	IZ_ECO SKIN 2.0 PZ15	Insulation for 1500 l buffer tank, type PZ, PZR and PZRR										32	905	
2222000032739	ZA_PZR 1500	Buffer tank without insulation	1500	3,60	-	G 1" NN	G 6/4" NN	-	-	1200	2235	251	2,571	3.476
2222000015695	IZ_ECO SKIN 2.0 PZ15	Insulation for 1500 l buffer tank, type PZ, PZR and PZRR										32	905	
2222000032746	ZA_PZRR 1500	Buffer tank without insulation	1500	3,60	2,40	G 1" NN	G 6/4" NN	-	-	1200	2235	280	3,004	3.909
2222000015695	IZ_ECO SKIN 2.0 PZ15	Insulation for 1500 l buffer tank, type PZ, PZR and PZRR										32	905	

**J-10 BUFFER TANKS WITH INSTANTANEOUS HEATING OF DOMESTIC HOT WATER**

2222000081935	ZA_KWS 500 W	Buffer tank without insulation	500	-	-		G 6/4" NN	G 1" ZN	-	850	1740	93	2,696	3.196
2222000038991	IZ_ECO SKIN 2.0 KWS 5	Insulation for 500 l buffer tank, type KWS and KWS W										16	500	
2222000036751	ZA_KWS 500	Buffer tank without insulation	500	1,80	-	G 1" NN	G 6/4" NN	G 1" ZN	-	850	1740	120	2,960	3.460
2222000038991	IZ_ECO SKIN 2.0 KWS 5	Insulation for 500 l buffer tank, type KWS and KWS W										16	500	
2222000075668	ZA_KWS 800 W	Buffer tank without insulation	800	-	-	-	G 6/4" NN	G 1" ZN	-	990	1800	118	3,153	3.755
2222000039127	IZ_ECO SKIN 2.0 KWS 8	Insulation for 800 l buffer tank, type KWS and KWS W										21	602	
2222000036768	ZA_KWS 800	Buffer tank without insulation	800	2,50	-	G 1" NN	G 6/4" NN	G 1" ZN	-	990	1800	150	3,451	4.053
2222000039127	IZ_ECO SKIN 2.0 KWS 8	Insulation for 800 l buffer tank, type KWS and KWS W										21	602	
2222000081942	ZA_KWS 1000 W	Buffer tank without insulation	1000	-	-	-	G 6/4" NN	G 1" ZN	-	990	2150	144	3,466	4.129
2222000041335	IZ_ECO SKIN 2.0 KWS 10	Insulation for 1000 l buffer tank, type KWS and KWS W										21	663	
2222000036775	ZA_KWS 1000	Buffer tank without insulation	1000	3,10	-	G 1" NN	G 6/4" NN	G 1" ZN	-	990	2150	180	3,831	4.494
2222000041335	IZ_ECO SKIN 2.0 KWS 10	Insulation for 1000 l buffer tank, type KWS and KWS W										21	663	
2222000081959	ZA_KWS 1500 W	Buffer tank without insulation	1500	-	-	-	G 6/4" NN	G 1" ZN	-	1200	2250	236	3,942	4.769
2222000048167	IZ_ECO SKIN 2.0 KWS 15	Insulation for 1500 l buffer tank, type KWS and KWS W										32	827	
2222000033002	ZA_KWS 1500	Buffer tank without insulation	1500	3,50	-	G 1" NN	G 6/4" NN	G 1" ZN	-	1200	2250	278	4,468	5.295
2222000048167	IZ_ECO SKIN 2.0 KWS 15	Insulation for 1500 l buffer tank, type KWS and KWS W										32	827	

**J-11 BUFFER TANKS WITH DHW CYLINDER (SUITABLE FOR BIOMASS SYSTEMS)**

2222000025328	ZA_SISS 500/150	Buffer tank without insulation	150	1,90	-	G 1" NN	G 6/4" NN	G 3/4" ZN	G 3/4" ZN	850	1735	151	1.728	2.247
2222000022792	IZ_ECO SKIN 2.0 SISS 5	Insulation for SISS 500/150 buffer tank										16	519	
2222000025342	ZA_SISS 750/150	Buffer tank without insulation	150	2,40	-	G 1" NN	G 6/4" NN	G 3/4" ZN	G 3/4" ZN	990	1800	164	1.906	2.494
2222000031343	IZ_ECO SKIN 2.0 SISS 7	Insulation for SISS 750/150 buffer tank										21	588	
2222000025366	ZA_SISS 900/200	Buffer tank without insulation	200	3,00	-	G 1" NN	G 6/4" NN	G 3/4" ZN	G 3/4" ZN	990	2150	200	2.195	2.846
2222000022167	IZ_ECO SKIN 2.0 SISS 9	Insulation for SISS 900/200 buffer tank										21	651	
2222000033224	ZA_SISS 1500/250	Buffer tank without insulation	250	3,60	-	G 1" NN	G 6/4" NN	G 3/4" ZN	G 3/4" ZN	1200	2255	312	3.045	3.896
2222000032630	IZ_ECO SKIN 2.0 SISS 15	Insulation for SISS 1500/250 buffer tank										32	851	

**J-12 BUFFER TANKS FOR HEAT PUMPS**

2222000008000	ZA_PS 100	Buffer tank with insulation and jacket	100	-	-	-	G 1" NN	-	-	480	884	97	589
2222000051013	ZA_PS 150 TT	Buffer tank with insulation and jacket	150	-	-	-	R 1" ZN	-	-	700	699	26	827
2222000027759	ZA_WPPS 130	Buffer tank with insulation and jacket	130	-	-	-	G 1" ZN	-	-	670	742	60	827
2222000015213	ZA_WPPS 200	Buffer tank with insulation and jacket	200	-	-	-	G 5/4" ZN	-	-	600	1232	74	884
2222000015206	ZA_WPPS 300	Buffer tank with insulation and jacket	300	-	-	-	G 5/4" ZN	-	-	600	1689	119	1.184
2222000022334	ZA_WPPS 400	Buffer tank with insulation and jacket	400	-	-	-	G 6/4" ZN	-	-	670	1834	129	1.338
2222000007508	ZA_WPPS 500	Buffer tank with insulation and jacket	500	-	-	-	G 2" ZN	-	-	750	1740	164	1.436
2222000137045	ZA_NAD 100	Buffer tank with insulation and jacket	120	-	-	-	G 1" NN	-	-	584	803	41	692
2222000137052	ZA_NAD 250	Buffer tank with insulation and jacket	265	-	-	-	G 1" NN	-	-	584	1568	63	1.040

**J-13 LARGE VOLUME BUFFER TANKS**

2222000036782	ZA_PSM 500	Buffer tank without insulation	500	-	-	-	G 6/4" NN	-	-	850	1725	69	560	1.016
2222000021610	IZ_ECO SKIN 2.0 PS 5	Insulation for 500 l buffer tank, type PSM and PSR										16	456	
2222000036799	ZA_PSM 800	Buffer tank without insulation	800	-	-	-	G 6/4" NN	-	-	990	1785	86	708	1.173
2222000033101	IZ_ECO SKIN 2.0 PS 8	Insulation for 800 l buffer tank, type PSM, PSR and PSRR										21	465	
2222000036805	ZA_PSM 1000	Buffer tank without insulation	1000	-	-	-	G 6/4" NN	-	-	990	2135	110	735	1.252
2222000021511	IZ_ECO SKIN 2.0 PS 10	Insulation for 1000 l buffer tank, type PSM, PSR and PSRR										23	517	
2222000036812	ZA_PSM 1500	Buffer tank without insulation	1500	-	-	-	G 6/4" NN	-	-	1200	2235	189	1.255	1.896
2222000062989	IZ_ECO SKIN 2.0 PS 15	Insulation for 1500 l buffer tank, type PSM, PSR and PSRR										32	641	
2222000036829	ZA_PSM 2000	Buffer tank without insulation	2000	-	-	-	G 6/4" NN	-	-	1300	2465	230	1.648	2.554
2222000021481	IZ_ECO SKIN 2.0 PS 20	Insulation for 2000 l buffer tank, type PSM, PSR and PSRR										36	906	
2222000038328	ZA_PSM 3000	Buffer tank without insulation	3000	-	-	-	G 2" NN	-	-	1450	2681	343	3.579	4.589
2222000045340	IZ_ECO SKIN 2.0 PS 30	Insulation for 3000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.010	
2222000041700	ZA_PSM 4000	Buffer tank without insulation	4000	-	-	-	G 6/4" NN	-	-	1600	2754	452	5.210	6.506
2222000081966	IZ_ECO SKIN 2.0 PS 40	Insulation for 4000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.296	

2222000038335	ZA_PSM 5000	Buffer tank without insulation	5000	-	-	-	G 6/4" NN	-	-	1800	2855	553	6.891	8.354
2222000081973	IZ_ECO SKIN 2.0 PS 50	Insulation for 5000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.463	
2222000007553	ZA_PSF 500	Buffer tank without insulation	500	-	-	-	G 6/4" NN	-	-	850	1725	75	762	1.277
2222000051457	IZ_ECO SKIN 2.0 PSF 5	Insulation for PSF 500 buffer tank										16	515	
2222000007584	ZA_PSF 800	Buffer tank without insulation	800	-	-	-	G 6/4" NN	-	-	990	1785	95	903	1.427
2222000054717	IZ_ECO SKIN 2.0 PSF 8	Insulation for PSF 800 buffer tank										21	524	
2222000007614	ZA_PSF 1000	Buffer tank without insulation	1000	-	-	-	G 6/4" NN	-	-	990	2135	120	916	1.499
2222000045111	IZ_ECO SKIN 2.0 PSF 10	Insulation for PSF 1000 buffer tank										23	583	
2222000007621	ZA_PSF 1500	Buffer tank without insulation	1500	-	-	-	G 6/4" NN	-	-	1200	2235	253	1.461	2.166
2222000002541	IZ_ECO SKIN 2.0 PSF 15	Insulation for PSF 1500 buffer tank										32	705	
2222000007652	ZA_PSF 2000	Buffer tank without insulation	2000	-	-	-	G 6/4" NN	-	-	1300	2465	253	1.734	2.640
2222000056278	IZ_ECO SKIN 2.0 PSF 20	Insulation for PSF 2000 buffer tank										36	906	
2222000007669	ZA_PSF 3000	Buffer tank without insulation	3000	-	-	-	G 6/4" NN	-	-	1450	2681	343	3.737	4.747
2222000045340	IZ_ECO SKIN 2.0 PS 30	Insulation for 3000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.010	
2222000007676	ZA_PSF 5000	Buffer tank without insulation	5000	-	-	-	G 6/4" NN	-	-	1800	2855	555	6.715	8.178
2222000081973	IZ_ECO SKIN 2.0 PS 50	Insulation for 5000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.463	
2222000021559	ZA_PSR 500	Buffer tank without insulation	500	1,80	-	G 1" NN	G 6/4" NN	-	-	850	1725	103	856	1.312
2222000021610	IZ_ECO SKIN 2.0 PS 5	Insulation for 500 l buffer tank, type PSM and PSR										16	456	
2222000026271	ZA_PSR 800	Buffer tank without insulation	800	2,40	-	G 1" NN	G 6/4" NN	-	-	990	1785	119	1.039	1.504
2222000033101	IZ_ECO SKIN 2.0 PS 8	Insulation for 800 l buffer tank, type PSM, PSR and PSRR										21	465	
2222000034504	ZA_PSRR 800	Buffer tank without insulation	800	2,40	1,80	G 1" NN	G 6/4" NN	-	-	990	1785	143	1.283	1.748
2222000033101	IZ_ECO SKIN 2.0 PS 8	Insulation for 800 l buffer tank, type PSM, PSR and PSRR										21	465	
2222000003289	ZA_PSR 1000	Buffer tank without insulation	1000	3,00	-	G 1" NN	G 6/4" NN	-	-	990	2135	140	1.243	1.760
2222000021511	IZ_ECO SKIN 2.0 PS 10	Insulation for 1000 l buffer tank, type PSM, PSR and PSRR										23	517	
2222000034542	ZA_PSRR 1000	Buffer tank without insulation	1000	3,00	2,40	G 1" NN	G 6/4" NN	-	-	990	2135	174	1.491	2.008
2222000021511	IZ_ECO SKIN 2.0 PS 10	Insulation for 1000 l buffer tank, type PSM, PSR and PSRR										23	517	
2222000021085	ZA_PSR 1500	Buffer tank without insulation	1500	3,60	-	G 1" NN	G 6/4" NN	-	-	1200	2235	189	1.898	2.539
2222000062989	IZ_ECO SKIN 2.0 PS 15	Insulation for 1500 l buffer tank, type PSM, PSR and PSRR										32	641	
2222000034573	ZA_PSRR 1500	Buffer tank without insulation	1500	3,60	3,60	G 1" NN	G 6/4" NN	-	-	1200	2235	270	2.219	2.860
2222000062989	IZ_ECO SKIN 2.0 PS 15	Insulation for 1500 l buffer tank, type PSM, PSR and PSRR										32	641	
2222000021092	ZA_PSR 2000	Buffer tank without insulation	2000	4,20	-	G 1" NN	G 6/4" NN	-	-	1300	2465	286	2.232	3.138
2222000021481	IZ_ECO SKIN 2.0 PS 20	Insulation for 2000 l buffer tank, type PSM, PSR and PSRR										36	906	
2222000066543	ZA_PSRR 2000	Buffer tank without insulation	2000	4,20	4,20	G 1" NN	G 6/4" NN	-	-	1300	2465	337	2.366	3.272
2222000021481	IZ_ECO SKIN 2.0 PS 20	Insulation for 2000 l buffer tank, type PSM, PSR and PSRR										36	906	

2222000038342	ZA_PSR 3000	Buffer tank without insulation	3000	4,50	-	G 1" NN	G 6/4" NN	-	-	1450	2681	426	4.042	5.052
2222000045340	IZ_ECO SKIN 2.0 PS 30	Insulation for 3000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.010	
2222000038359	ZA_PSR 5000	Buffer tank without insulation	5000	6,00	-	G 1" NN	G 6/4" NN	-	-	1800	2855	662	7.243	8.706
2222000081973	IZ_ECO SKIN 2.0 PS 50	Insulation for 5000 l buffer tank, type PSM, PSF, PSR and PSRR										51	1.463	

Connections of different sizes can be ordered for buffer tanks > 800l, types PSM and PSR.

## K DHW CYLINDERS AND BUFFER TANKS - EQUIPMENT

### K-1 FLANGED IMMERSION HEATERS

Item code	Item name	Description	Price without VAT [EUR]
2222000007812	PEG_EBH-TEW1 1,7 E	Built-in electric heater, power supply 230 [V], power 1,7 [kW], installation length 375 [mm]	394
2222000007829	PEG_EBH-TEW1 2,5 E	Built-in electric heater, power supply 230 [V], power 2,5 [kW], installation length 375 [mm]	410
2222000003333	PEG_EBH-KDW1 4,0	Built-in electric heater, power supply 400 [V], power 4,0 [kW], installation length 375 [mm]	610
2222000022211	PEG_EBH-KDW1 6,0	Built-in electric heater, power supply 400 [V], power 6,0 [kW], installation length 375 [mm]	648
2222000031312	PEG_EBH-KDW1 8,0	Built-in electric heater, power supply 400 [V], power 8,0 [kW], installation length 450 [mm]	653
2222000021344	PEG_EBH-KDW1 10,0	Built-in electric heater, power supply 400 [V], power 10,0 [kW], installation length 530 [mm]	711

For installation on the  $\Phi$ 180 mm side flange of a DHW cylinder or buffer tank

2222000006495	PEG_RDW 2-9 U	Built-in electric heater, power supply 400 [V], power 6,0 / 7,5 / 9,0 [kW], installation length 430 [mm]	954
2222000021337	PEG_RSW 2-24 U	Built-in electric heater, power supply 400 [V], power 12 / 16 / 24 [kW], installation length 530 [mm]	1.285
2222000023133	PEG_RSW 2-45 U	Built-in electric heater, power supply 400 [V], power 20 / 30 / 35 / 45 [kW], installation length 630 [mm]	1.854

For installation on the  $\Phi$ 240 mm side flange of a DHW cylinder or buffer tank

2222000041205	PEG_REU 18-2,0	Built-in electric heater, power supply 230 [V], power 2,0 [kW], installation length 445 [mm]	279
2222000039851	PEG_REU 18-2,5	Built-in electric heater, power supply 230 [V], power 2,5 [kW], installation length 445 [mm]	304
2222000041281	PEG_REU 18-3,3	Built-in electric heater, power supply 230 [V], power 3,3 [kW], installation length 445 [mm]	318
2222000040055	PEG_RDU 18-3,8	Built-in electric heater, power supply 400 [V], power 3,8 [kW], installation length 445 [mm]	408
2222000039714	PEG_RDU 18-6,0	Built-in electric heater, power supply 400 [V], power 6,0 [kW], installation length 445 [mm]	412
2222000041427	PEG_RDW 18-7,5	Built-in electric heater, power supply 400 [V], power 7,5 [kW], installation length 445 [mm]	444
2222000030360	PEG_RDW 18-10,0	Built-in electric heater, power supply 400 [V], power 10,0 [kW], installation length 445 [mm]	484

For installation on the  $\Phi$ 180 mm side flange of a DHW cylinder or buffer tank

**K-2 SCREW PLUG ELECTRIC HEATERS**

2222000006556	NEG_SH 2,0	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 2,0 [kW], installation length 320 [mm]	423
2222000025076	NEG_SH 2,5	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 2,5 [kW], installation length 390 [mm]	437
2222000007843	NEG_SH 3,0	Screw-in electric heater, G 6/4" OT, power supply 230/400 [V], power 3,0 [kW], installation length 390 [mm]	441
2222000040888	NEG_SH 3,8	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 3,8 [kW], installation length 430 [mm]	444
2222000007850	NEG_SH 4,5	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 4,5 [kW], installation length 470 [mm]	446
2222000007867	NEG_SH 6,0	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 6,0 [kW], installation length 620 [mm]	457
2222000007386	NEG_SH 7,5	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 7,5 [kW], installation length 720 [mm]	471
2222000023829	NEG_SH 9,0	Screw-in electric heater, G 6/4" OT, power supply 400 [V], power 9,0 [kW], installation length 780 [mm]	482

For installation on the G 6/4" IT side threaded connection of a DHW cylinder or buffer tank

2222000036188	NEG_RD SISS 7,5	Screw-in electric heater, power supply 400 [V], power 2,5/5/7,5 [kW]	981
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For installation on the upper G 6/4" IT connection of ZA\_SISS buffer tanks.

**K-3 FINNED TUBE HEAT EXCHANGERS**

Item code	Item name	Description	Price without VAT [EUR]
2222000007737	OPT_RWT 1-110 D	Built-in finned tube heat exchanger, surface 1.1 [m2], flange 180 [mm], installation length 370 [mm], diameter 110 [mm]	790
2222000007768	OPT_RWT 1-140 D	Built-in finned tube heat exchanger, surface 1,4 [m2], flange 180 [mm], installation length 440 [mm], diameter 110 [mm]	923
2222000007775	OPT_RWT 2-180	Built-in finned tube heat exchanger, surface 1,8 [m2], flange 240 [mm], installation length 450 [mm], diameter 170 [mm]	986
2222000023669	OPT_RWT 2-230 D	Built-in finned tube heat exchanger, surface 2,3 [m2], flange 240 [mm], installation length 450 [mm], diameter 165 [mm]	1.238
2222000021580	OPT_RWT 2-310 D	Built-in finned tube heat exchanger, surface 3,1 [m2], flange 240 [mm], installation length 530 [mm], diameter 165 [mm]	1.791
2222000025526	OPT_RWT 2-360	Built-in finned tube heat exchanger, surface 3,6 [m2], flange 240 [mm], installation length 650 [mm], diameter 170 [mm]	1.688
2222000036133	OPT_RWT 2-450	Built-in finned tube heat exchanger, surface 4,5 [m2], flange 240 [mm], installation length 790 [mm], diameter 170 [mm]	2.039

**K-99 OTHER EQUIPMENT AND ACCESSORIES**

Item code	Item name	Description	Price without VAT [EUR]
2222000026493	SET_R FI 240/180	Reducing flange to reduce the flange opening from 240 [mm] to 180 [mm]	162
2222000008307	SET_F FI 240	Flange cover set for closing the 240 [mm] flange	158