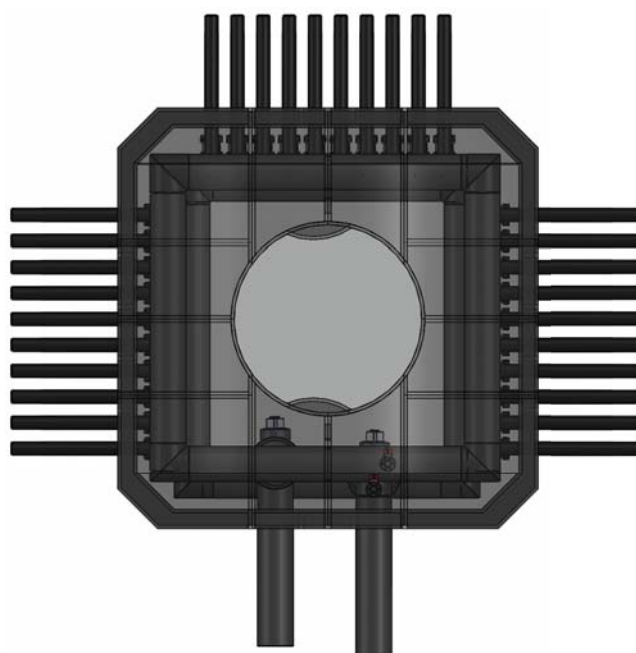


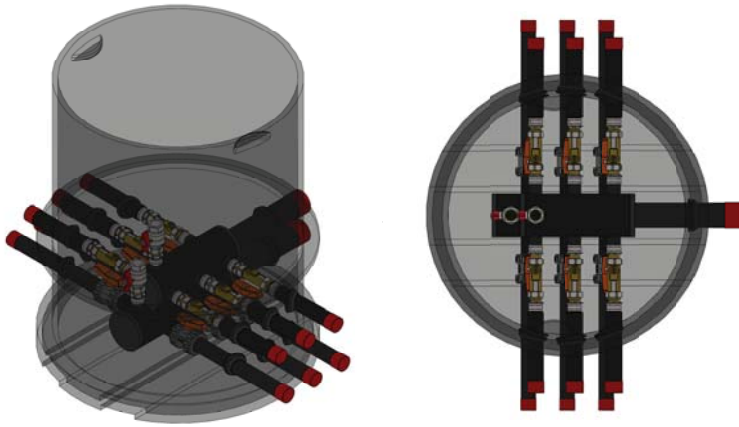
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GEOHERMAL ENERGY TECHNIQUE FOR HEAT PUMPS

PRICE LIST 2020



MINI MANIFOLDS WELLS WITH ROTAMETERS AND VALVES

H800/D600 [mm]		
Catalogue no.	Model	Netprice€
MS2R 40/40	2 sections minnifods wells	630,95
MS3R 40/40	3 sections minnifods wells	750,00
MS4R 40/50	4 sections minnifods wells	869,05
MS5R 40/50	5 sections minnifods wells	1 059,52
MS6R 40/50	6 sections minnifods wells	1 185,71

MINI MANIFOLDS WELLS WITH VALVES OR ROTAMETERS AND VALVES

MINI manifolds wells are dedicated to low thermal power heat pumps installations. Wells are available from 2 to 6 sections. The chamber is equipped with two collectors, each section, depending on the configuration, is equipped with „BR“ valve or rotameter with a measuring range of 5-40 l/min. The whole is made of plastic HDPE 100 (HDPE is a high density polyethylene that is resistant to temperature changes, mechanical damage and chemical interactions).

The dimensions of the chamber are: height 800 [mm], diameter 600 [mm].

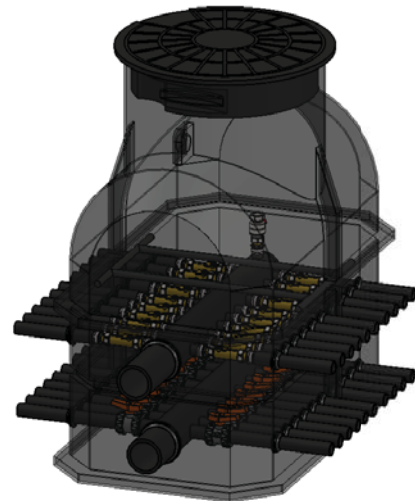
MINI MANIFOLDS WELLS WITH VALVES

H800/D600 [mm]		
Catalogue no.	Model	Netprice€
MS2Z 40/40	2 sections minnifods wells	535,71
MS3Z 40/40	3 sections minnifods wells	607,14
MS4Z 40/50	4 sections minnifods wells	654,76
MS5Z 40/50	5 sections minnifods wells	783,33
MS6Z 40/50	6 sections minnifods wells	869,05

OPTIMUM MANIFOLDS WELLS WITH VALVES OR ROTAMETERS AND VALVES

OPTIMUM manifolds wells are dedicated to medium thermal power heat pump instalations. Wells are available from 2 to 18 sections. The chamber is equipped with two collectors, each section, depending on the configuration, is equipped with „BR“ valve or rotameter with a measuring range of 5-40 l/min. OPTIMUM chambers are made on request in the version with Hydrocontrol balancing valves with diameter and flow according to the designed installation project or angular rotameter. Additionally, there is a possibility to equip manifolds with shut-off valves on transmission pipeline. The whole is made of plastic HDPE 100 (HDPE is a high density polyethylene that is resistant to temperature changes, mechanical damage and chemical interactions).

The dimensions of the chamber are: height 1200 [mm], length 1200 [mm], width 600 [mm].

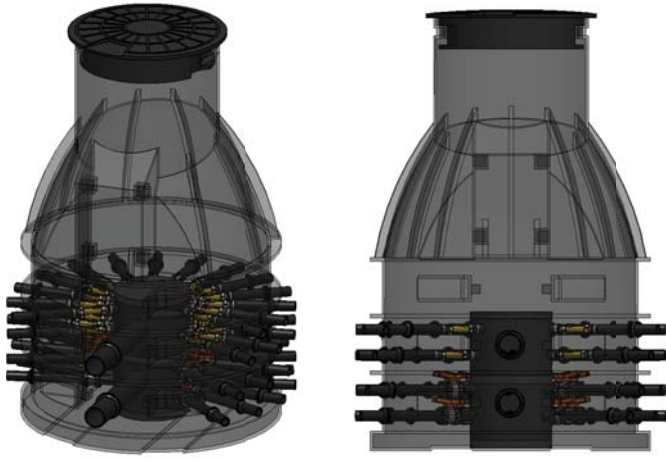


OPTIMUM MANIFOLDS WELLS WITH VALVES

W1200/S600/D1200 [mm]		
Catalogue no.	Modelu	Netprice€
S2Z 40/50	2 sections minnifods wells	678,57
S3Z 40/50	3 sections minnifods wells	750,00
S4Z 40/50	4 sections minnifods wells	830,95
S5Z 40/50	5 sections minnifods wells	950,00
S6Z 40/50	6 sections minnifods wells	1 042,86
S7Z 40/63	7 sections minnifods wells	1 123,81
S8Z 40/63	8 sections minnifods wells	1 211,90
S9Z 40/63	9 sections minnifods wells	1 304,76
S10Z 40/63	10 sections minnifods wells	1 273,81
S11Z 40/75	11 sections minnifods wells	1 426,19
S12Z 40/75	12 sections minnifods wells	1 619,05
S13Z 40/75	13 sections minnifods wells	1 797,62
S14Z 40/90	14 sections minnifods wells	1 885,71
S15Z 40/90	15 sections minnifods wells	1 995,24
S16Z 40/90	16 sections minnifods wells	2 133,33
S17Z 40/110	17 sections minnifods wells	2 209,52
S18Z 40/110	18 sections minnifods wells	2 304,76
S19Z 40/110	19 sections minnifods wells	2 528,57
S20Z 40/110	20 sections minnifods wells	2 790,48

OPTIMUM MANIFOLDS WELLS WITH ROTAMETERS AND VALVES

W1200/S600/D1200 [mm]		
Catalogue no.	Model	Netprice€
S2R 40/50	2 sections minnifods wells	783,33
S3R 40/50	3 sections minnifods wells	916,67
S4R 40/50	4 sections minnifods wells	1 040,48
S5R 40/50	5 sections minnifods wells	1 178,57
S6R 40/50	6 sections minnifods wells	1 278,57
S7R 40/63	7 sections minnifods wells	1 409,52
S8R 40/63	8 sections minnifods wells	1 559,52
S9R 40/63	9 sections minnifods wells	1 702,38
S10R 40/63	10 sections minnifods wells	1 845,24
S11R 40/75	11 sections minnifods wells	2 011,90
S12R 40/75	12 sections minnifods wells	2 178,57
S13R 40/75	13 sections minnifods wells	2 345,24
S14R 40/90	14 sections minnifods wells	2 511,90
S15R 40/90	15 sections minnifods wells	2 726,19
S16R 40/90	16 sections minnifods wells	2 892,86
S17R 40/110	17 sections minnifods wells	3 011,90
S18R 40/110	18 sections minnifods wells	3 130,95
S19R 40/110	19 sections minnifods wells	3 345,24
S20R 40/110	20 sections minnifods wells	3 559,52



MAXI MANIFOLDS WELLS WITH VALVES OR ROTAMETERS AND VALVES

MAXI manifold wells are dedicated to high thermal power heat pump installations. Wells are available from 15 to 30 sections. The chamber is equipped with a vertical double manifold, normally equipped with shut-off valves on transmission pipeline. Each section, depending on the configuration, is equipped with „BR“ valve or rotameter with a measuring range of 5-40 l/min. MAXI chambers are made on request in the version with Hydrocontrol balancing valves with diameter and flow according to the designed installation project or angular rotameter. The whole is made of plastic HDPE 100 (HDPE is a high density polyethylene that is resistant to temperature changes, mechanical damage and chemical interactions).

The dimensions of the chamber are: height 1600 [mm], diameter 1000 [mm].

MAXI MANIFOLDS WELLS WITH VALVES

H=1600 [mm] D=1000 [mm]		
Catalogue no.	Model	Netprice€
SMAX15Z 40/75	15 sections minifods wells	3 904,76
SMAX16Z 40/75	16 sections minifods wells	3 998,81
SMAX17Z 40/90	17 sections minifods wells	4 266,67
SMAX18Z 40/90	18 sections minifods wells	4 100,00
SMAX19Z 40/110	19 sections minifods wells	4 185,71
SMAX20Z 40/110	20 sections minifods wells	4 278,57
SMAX21Z 40/110	21 sections minifods wells	4 371,43
SMAX22Z 40/110	22 sections minifods wells	4 464,29
SMAX23Z 40/110	23 sections minifods wells	4 559,52
SMAX24Z 40/110	24 sections minifods wells	4 654,76
SMAX25Z 40/110	25 sections minifods wells	4 745,24
SMAX26Z 40/110	26 sections minifods wells	4 980,95
SMAX27Z 40/110	27 sections minifods wells	5 169,05
SMAX28Z 40/110	28 sections minifods wells	5 261,90
SMAX29Z 40/110	29 sections minifods wells	5 594,05
SMAX30Z 40/110	30 sections minifods wells	5 925,00

MAXI MANIFOLDS WELLS WITH ROTAMETERS AND VALVES

H=1800 [mm] D=1000 [mm]		
Catalogue no.	Model	Netprice€
SMAX15R 40/75	15 sections minifods wells	4 104,76
SMAX16R 40/75	16 sections minifods wells	4 247,62
SMAX17R 40/90	17 sections minifods wells	4 340,48
SMAX18R 40/90	18 sections minifods wells	4 458,33
SMAX19R 40/90	19 sections minifods wells	4 576,19
SMAX20R 40/90	20 sections minifods wells	4 695,24
SMAX21R 40/110	21 sections minifods wells	4 811,90
SMAX22R 40/110	22 sections minifods wells	4 930,95
SMAX23R 40/110	23 sections minifods wells	5 047,62
SMAX24R 40/110	24 sections minifods wells	5 366,67
SMAX25R 40/110	25 sections minifods wells	5 473,81
SMAX26R 40/110	26 sections minifods wells	5 947,62
SMAX27R 40/110	27 sections minifods wells	6 157,14
SMAX28R 40/110	28 sections minifods wells	6 407,14
SMAX29R 40/110	29 sections minifods wells	6 652,38
SMAX30R 40/110	30 sections minifods wells	6 859,52



SET OF MANIFOLDS IN INSULATION BOX WITH VALVES OR ROTAMETERS AND VALVES

Catalogue no.	Model	Netprice€
RS2R 40/40	2 sections set of manifolds in insulation box	535,71
RS3R 40/40	3 sections set of manifolds in insulation box	583,33
RS4R 40/40	4 sections set of manifolds in insulation box	678,57
RS5R 40/40	5 sections set of manifolds in insulation box	797,62
RSM600	Box for masking work pipes	107,14

ADDITIONAL ELEMENTS FOR MANIFOLDS WELLS

Catalogue no.	Model	Netprice€
OPTIMUM600N500	extension manholes H=500 [mm]	130,95
OPTIMUM600N1000	adjustable extension hatches H=100 to 1000 [mm]	161,90
M600N	sealing mass of the extension	89,29
P1200600	load reduction ring 1200/600 [mm]	107,14
WZ800	Iron manhole DN800 40N	464,29
MK600P	adapter for cutting the manhole neck from above	83,33

SET OF MANIFOLDS IN INSULATION BOX WITH VALVES OR ROTAMETERS AND VALVES

Manifolds in black styrofoam boxes with additional internal insulation from K-FLEX. The manifolds consists of two collectors from 2 to 5 sections. Each section, depending on the configuration, is equipped with „BR“ valve or rotameter with a measuring range of 5-40 l/min. Directions of output from the collectors to the heat pump can be left, right, rear or top. The outputs from the collector to the heat pump are equipped with bare pipes. For additional charge they can be equipped with a threaded connection.

COLLECTIVE MANIFOLDS SET WITH VALVES

Collectores used for connecting many manifold wells. Manifolds are normally equipped with shut-off valves. They can be equipped with any fittings depending on the configuration for example with rotameters, balancing valves or ball valves.



COLLECTIVE MANIFOLDS SET WITH VALVES

Catalogue no.	Model	Netprice€
KZ2 200/160/90	2 sections set of manifolds	1 333,33
KZ3 200/160/90	3 sections set of manifolds	1 702,38
KZ4 200/160/90	4 sections set of manifolds	2 119,05
KZ5 200/160/90	5 sections set of manifolds	2 452,38
KZ6 200/160/90	6 sections set of manifolds	2 869,05
KZ7 200/180/90	7 sections set of manifolds	3 380,95
KZ8 200/180/90	8 sections set of manifolds	3 833,33
KZ9 200/180/90	9 sections set of manifolds	4 261,90
KZ10 200/180/90	10 sections set of manifolds	4 726,19

SET OF MANIFOLDS WITH VALVES OR ROTAMETERS AND VALVES

The collector is equipped with mounting consoles for wall mounting. Manifolds for external or internal assembling. Manifolds are made of PEHD-100 plastic (HDPE is a high density polyethylene that is resistant to temperature changes, mechanical damage and chemical interactions). The manifolds usually consists of two collectors from 2 to 30 sections. Each section, depending on the configuration, is equipped with a shut-off valve „BR“ or a rotameter with a measurmant range of 5-40 l/min. Manifolds are equipped with filling valves.



STANDARD MANIFOLDS WITH ROTAMETERS AND VALVES

Catalogue no.	Model	Netprice€
R2R 40/40	2 sections set of manifolds	241,43
R3R 40/40	3 sections set of manifolds	335,71
R4R 40/50	4 sections set of manifolds	452,38
R5R 40/50	5 sections set of manifolds	542,86
R6R 40/50	6 sections set of manifolds	667,86
R7R 40/50	7 sections set of manifolds	802,38
R8R 40/63	8 sections set of manifolds	884,52
R9R 40/63	9 sections set of manifolds	950,00
R10R 40/63	10 sections set of manifolds	1 011,90
R11R 40/75	11 sections set of manifolds	1 154,76
R12R 40/75	12 sections set of manifolds	1 257,14
R13R 40/75	13 sections set of manifolds	1 376,19
R14R 40/90	14 sections set of manifolds	1 438,10
R15R 40/90	15 sections set of manifolds	1 521,43
R16R 40/90	16 sections set of manifolds	1 633,33
R17R 40/110	17 sections set of manifolds	1 702,38
R18R 40/110	18 sections set of manifolds	1 791,43
R19R 40/110	19 sections set of manifolds	1 892,86
R20R 40/110	20 sections set of manifolds	1 988,10
R21R 40/110	21 sections set of manifolds	2 113,10
R22R 40/110	22 sections set of manifolds	2 242,86
R23R 40/110	23 sections set of manifolds	2 379,76
R24R 40/110	24 sections set of manifolds	2 519,05
R25R 40/110	25 sections set of manifolds	2 654,76
R26R 40/110	26 sections set of manifolds	2 773,81
R27R 40/110	27 sections set of manifolds	2 928,57
R28R 40/110	28 sections set of manifolds	3 090,48
R29R 40/110	29 sections set of manifolds	3 227,62
R30R 40/110	30 sections set of manifolds	3 369,05

STANDARD MANIFOLDS WITH VALVES

Catalogue no.	Model	Netprice€
R2Z 40/40	2 sections set of manifolds	176,19
R3Z 40/40	3 sections set of manifolds	247,62
R4Z 40/40	4 sections set of manifolds	319,05
R5Z 40/50	5 sections set of manifolds	395,24
R6Z 40/50	6 sections set of manifolds	478,57
R7Z 40/50	7 sections set of manifolds	580,95
R8Z 40/63	8 sections set of manifolds	648,81
R9Z 40/63	9 sections set of manifolds	704,76
R10Z 40/63	10 sections set of manifolds	757,14
R11Z 40/75	11 sections set of manifolds	789,29
R12Z 40/75	12 sections set of manifolds	876,19
R13Z 40/75	13 sections set of manifolds	988,10
R14Z 40/90	14 sections set of manifolds	1 072,62
R15Z 40/90	15 sections set of manifolds	1 151,19
R16Z 40/90	16 sections set of manifolds	1 228,57
R17Z 40/110	17 sections set of manifolds	1 285,71
R18Z 40/110	18 sections set of manifolds	1 376,19
R19Z 40/110	19 sections set of manifolds	1 442,86
R20Z 40/110	20 sections set of manifolds	1 519,05
R21Z 40/110	21 sections set of manifolds	1 600,00
R22Z 40/110	22 sections set of manifolds	1 709,52
R22Z 40/110	23 sections set of manifolds	1 773,81
R22Z 40/110	24 sections set of manifolds	1 878,57
R22Z 40/110	25 sections set of manifolds	1 946,43
R22Z 40/110	26 sections set of manifolds	2 011,90
R22Z 40/110	27 sections set of manifolds	2 110,71
R22Z 40/110	28 sections set of manifolds	2 211,90
R22Z 40/110	29 sections set of manifolds	2 283,33
R22Z 40/110	30 sections set of manifolds	2 376,19

COLLECTIVE MANIFOLDS WELLS SET WITH VALVES

Collectores placed in the collecting chamber: dimensions 1200 [mm], width 800 [mm], length 1200 [mm], used for connecting many manifolds wells. Manifolds are normally equipped with shut-off valves. They can be equipped with any fittings depending on the configuration for example with rotameters, balancing valves or ball valves. Manifolds wells are produced in 2 sizes: 2 and 3 sections. For larger installations multiple of collective manifolds wells are used..

COLLECTIVE MANIFOLDS WELLS SET WITH VALVES

Catalogue no.	Model	Netprice€
SKZ2 125/63	2 sections minnifods wells	2 678,57
SKZ3 160/90	3 sections minnifods wells	3 297,62
SKZ3 1125/63	4 sections minnifods wells	3 535,71

GEOHERMAL PROBES HDPE 100 RC PN 12,5 SDR13,6

Catalogue no.	Model	Net price €
40030080	Heat exchanger PE100RC 2 x 40 x 3,0 PN 12,5 L 80	357,86
40030090	Heat exchanger PE100RC 2 x 40 x 3,0 PN 12,5 L 90	391,07
40030100	Heat exchanger PE100RC 2 x 40 x 3,0 PN 12,5 L 100	424,82
40030110	Heat exchanger PE100RC 2 x 40 x 3,0 PN 12,5 L 110	465,54
40030120	Heat exchanger PE100RC 2 x 40 x 3,0 PN 12,5 L 120	513,21

GEOHERMAL PROBES HDPE 100 RC PN 16 SDR11

Catalogue no.	Model	Net price €
40030100	Heat exchanger PE100RC 2 x 40 x 3,7 PN 16 L 100	453,81
40030110	Heat exchanger PE100RC 2 x 40 x 3,7 PN 16 L 110	494,52
40030120	Heat exchanger PE100RC 2 x 40 x 3,7 PN 16 L 120	540,24
40030160	Heat exchanger PE100RC 2 x 40 x 3,7 PN 16 L 160	698,33
40030131	Heat exchanger PE100RC 2 x 40 x 3,7 PN 16 L 200	854,52



POLIPROPOHYLEN GYCOL

Catalogue no.	Model	Net price €
GPPRKO0060L	Concentrate in PE canister 60 l	72,42
GPPRKO1000L	Concentrate in container palette 1000 l	1150,24
GPPRRO0060L	-15°C solution in PE canister 60 l	39,02
GPPRRO1000L	-15°C solution in container palette 1000 l	593,64

ELECTROFUSION FITTINGS

Catalogue no.	Model	Net price €
671004	socked DN40	3,40
671005	socked DN50	4,96
671006	socked DN63	5,49
671007	socked DN75	8,36
671008	socked DN90	9,83
671009	socked DN110	12,36
671033	reduction socked DN32x25	3,99
671035	reduction socked DN40x32	5,77
671037	reduction socked DN50x32	6,80
671040	reduction socked DN63x32	8,87
671041	reduction socked DN63x40	8,87
671042	reduction socked DN63x50	8,87
671047	reduction socked DN90x63	17,10
671048	reduction socked DN90x75	23,66
671052	reduction socked DN110x90	24,42
671103	elbow 90 st DN32	7,78
671104	elbow 90 st DN40	9,58
671105	elbow 90 st DN50	11,00
671106	elbow 90 st DN63	13,87
671107	elbow 90 st DN75	20,94
671108	elbow 90 st DN90	22,30
671109	elbow 90 st DN110	31,05
671123	elbow 45 st DN32	7,97
671124	elbow 45 st DN40	9,76
671125	elbow 45 st DN50	12,36
671126	elbow 45 st DN63	13,99
671127	elbow 45 st DN75	21,77
671128	elbow 45 st DN90	22,59
671129	elbow 45 st DN110	31,05
674532	MALE SOCKED DN32 x 1"	13,55
674540	MALE SOCKED DN40 x 5/4"	17,77
674550	MALE SOCKED DN50 x 6/4"	20,78
674563	MALE SOCKED DN63 x 2"	28,91
674575	MALE SOCKED DN75 x 2,5"	68,31
674590	MALE SOCKED DN90 x 3"	88,55
674595	MALE SOCKED DN110 x 4"	115,12
674632	FEMALE SOCKED DN32 x 1"	14,56
674640	FEMALE SOCKED DN40 x 5/4"	14,56
674650	FEMALE SOCKED DN50 x 6/4"	22,77
674663	FEMALE SOCKED DN63 x 2"	29,10
674675	FEMALE SOCKED DN75 x 2,5"	65,78
674690	FEMALE SOCKED DN90 x 3"	88,55

GEOHERMAL PROBES HDPE 100 RC

Vertical ground heat exchangers made of HDPE 100 RC finished U-head. Exchangers made in the highest version of HDPE100 with a wall thickness of 3.7mm or 3.0 mm and diameter DN40, reinforced impact resistance by using a homogeneous RC material and pressure resistance of 16 bar or 12.5 bar.

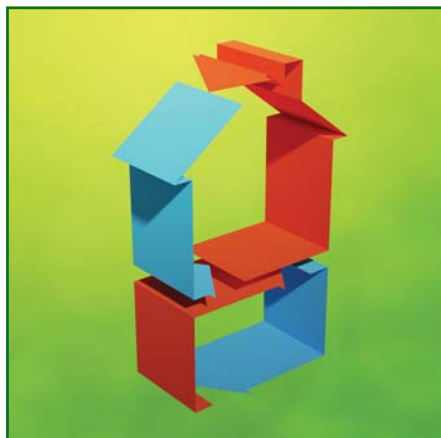
ACCESSORIES FOR GEOHERMAL PROBES

Catalogue no.	Model	Net price €
WH2040	probe pusher adapter	10,71
400012500	12,5 kg extender	70,18
515017500	17,5 kg extender	95,70
100100100	Extender adapter	6,09
100340101	4 probe connector in one heat exchanger	18,56

SOCKED FUSION FITTINGS

Catalogue no.	Model	Net price €
ZP0000032	socked DN32	0,83
ZP0000040	socked DN40	1,31
ZP0000050	socked DN50	1,85
ZP0000063	socked DN63	2,92
ZP0000075	socked DN75	4,41
ZP0000090	socked DN90	6,82
ZP0000110	socked DN110	10,14
ZP0003225	reduction socked DN32x25	0,67
ZP0004032	reduction socked DN40x32	0,94
ZP0005032	reduction socked DN50x32	1,36
ZP0006332	reduction socked DN63x32	2,27
ZP0006340	reduction socked DN63x40	2,41
ZP0006350	reduction socked DN63x50	2,46
ZP0009063	reduction socked DN90x63	5,35
ZP0009075	reduction socked DN90x75	6,02
ZP0011090	reduction socked DN110x90	9,07
ZP1003290	elbow 90 st DN32	1,18
ZP1004090	elbow 90 st DN40	1,90
ZP1005090	elbow 90 st DN50	2,94
ZP1006390	elbow 90 st DN63	5,88
ZP1037590	elbow 90 st DN75	8,83
ZP1039090	elbow 90 st DN90	13,37
ZP1011090	elbow 90 st DN110	21,40
ZP1003245	elbow 45 st DN32	1,18
ZP1004045	elbow 45 st DN40	1,90
ZP1005045	elbow 45 st DN50	2,94
ZP1006345	elbow 45 st DN63	5,88
ZP1037545	elbow 45 st DN75	8,83
ZP1009045	elbow 45 st DN90	13,37
ZP1011045	elbow 45 st DN110	21,40
ZP2000032	end cup DN 32	0,53
ZP2000040	end cup DN 40	0,86
ZP2000050	end cup DN 50	1,39
ZP2000063	end cup DN 63	2,54
ZP2000075	end cup DN 75	3,34
ZP2000090	end cup DN 90	4,95
ZP2000110	end cup DN 110	8,02
ZP3000032	end cup DN 32	1,50
ZP3000040	end cup DN 40	2,49
ZP3000050	end cup DN 50	3,85
ZP3000063	end cup DN 63	8,29
ZP3004032	reducing tee DN 40/32	2,14
ZP3005040	reducing tee DN 50/40	3,93
ZP3006350	reducing tee DN 63/50	6,95
ZP400321	female union thread DN 32/1"	17,38
ZP5003225	male socked DN32 x 1"	7,09
ZP5004032	male socked DN40 x 5/4"	16,58
ZP5005040	male socked DN 50/1/1/2"	20,06
ZP5006350	male socked DN 63/2"	24,07
ZP6003225	female socked DN 32/1"	6,82
ZP6004032	female socked DN 40/1/1/4"	16,05
ZP6005040	female socked DN 50/1/1/2"	18,19
ZP6006350	female socked DN 63/2"	21,40

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