



Accessories fuel pumps	85
Burner flame controls	90
Burner motors	86
Coils	90-92
Connector	87
Fuel filter	86
Fuel nozzles	89
Fuel nozzles manufacturer comparison chart	89
Fuel pumps Danfoss	85
Fuel pumps Delta	84
Fuel pumps drive pegs	86
Fuel pumps SP	85
Fuel pumps Suntec	84
Fuel solenoid valves	86
Ignition cables	87
Ignition electrodes	88
Ignition transformers	87
Spare parts Suntec and Delta fuel pumps	84

Fuel pumps Suntec

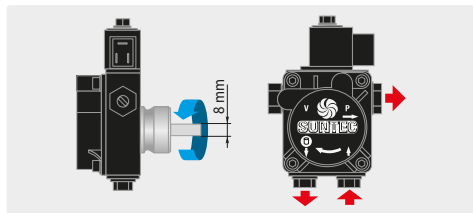
Pumps with solenoid valve



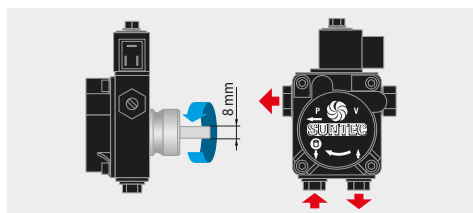
Coil VM

R+M Nr.	V
827 90	24 V
827 95	230 V

Pump VM. Single line intake or double line intake. Pressure adjustable 7 - 14 bar



R+M Nr.	TYP	coil	hub
827 00	AS47C 1538	24 V	32 mm
827 10	AS47C 1538	230 V	32 mm



R+M Nr.	TYP	coil	hub
827 15	AS47D 1539	230 V	32 mm

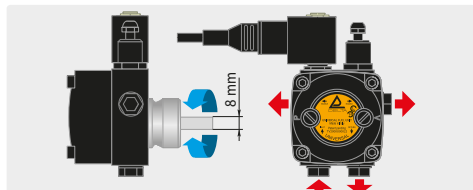
Universal with solenoid valve. Left/right



Coil VU / A

R+M Nr.	V
824 94	24 V
824 95	230 V

Pump VU. Single line intake or double line intake. Cable 700 mm. Pressure adjustable 6 - 18 bar



R+M Nr.	TYP	coil	hub
824 40	VU1LR2	24 V	32 mm
824 45	VU1LR2	230 V	32 mm

Fuel pumps Delta

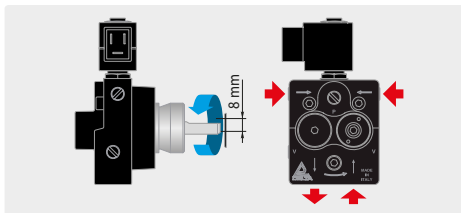
Pumps with solenoid valve



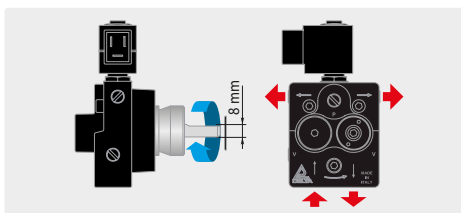
Coil VU / A

R+M Nr.	V
824 94	24 V
824 95	230 V

Pump A. Single line intake or double line intake. Pressure adjustable 6 - 20 bar



R+M Nr.	TYP	coil	hub
824 31	A1L2	24 V	32 mm
824 30	A1L2	230 V	32 mm

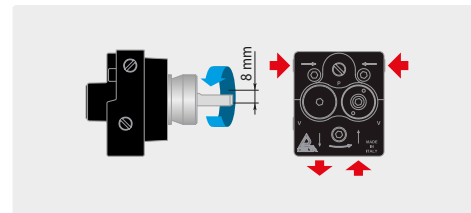


R+M Nr.	TYP	coil	hub
824 32	A1R2	24 V	32 mm
824 33	A1R2	230 V	32 mm

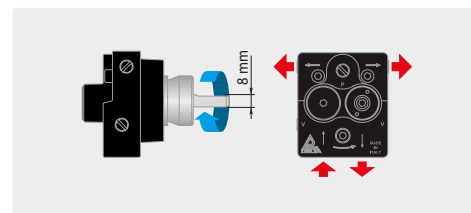
Pumps without solenoid valve



Pump A. Single line intake or double line intake. Pressure adjustable 6 - 20 bar

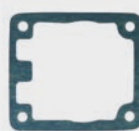


R+M Nr.	TYP	coil	hub
824 04	AD1L2	-	32 mm



R+M Nr.	TYP	coil	hub
824 05	AD1R2	-	32 mm

Spare parts Suntec and Delta fuel pumps



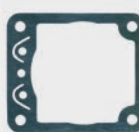
Gasket for cover (round). Year of manufacture until 2001

R+M Nr.	TYP
827 992	Suntec



Filter element

R+M Nr.	TYP
827 50	Suntec
824 90	Delta
824 96	Delta A



Gasket for cover (square). Year of manufacture from 2001

R+M Nr.	TYP
827 993	Suntec



Gasket for cover

R+M Nr.	TYP
824 93	Delta

Symbols TYP type V voltage 8 mm length Ø diameter

Fuel pumps Danfoss

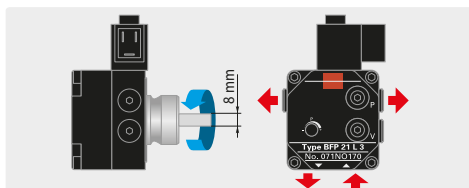
Pumps with solenoid valve



Coil

R+M Nr.	V
826 00	24 V
826 10	230 V

Single line intake or double line intake.
Pressure adjustable 7 - 15 bar



R+M Nr.	TYP	coil	hub
825 45 *	BFP 21 L3	24 V	32 mm
825 40 *	BFP 21 L3	230 V	32 mm

Spare parts Danfoss fuel pumps



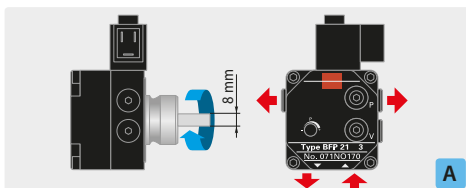
Cartridge filter

R+M Nr.
825 01



Cartridge filter

R+M Nr.
825 00



R+M Nr.	TYP	coil	hub
825 35 *	BFP 21 R3	24 V	32 mm
825 30 *	BFP 21 R3	230 V	32 mm

Accessories fuel pumps

Check pressure gauges



1/8" M with o-ring sealing. Undamped Ø 40 mm.
Housing plastic.
Hose connection 500 mm

R+M Nr.	indication
547 105 0	0 - 16 bar

Cables with connector



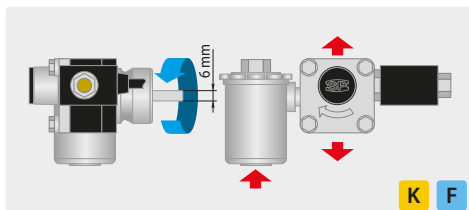
R+M Nr.	
832 50	500 mm
832 40	1050 mm

Fuel pumps SP

Pumps with solenoid valve



Double line intake.
Pressure adjustable 6 - 14 bar

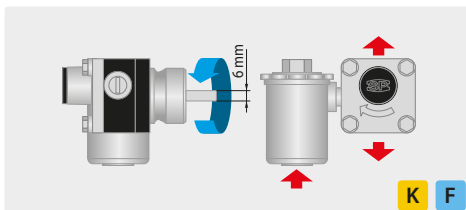


R+M Nr.	TYP	coil	hub
821 10	46L5316M	24 V	32 mm
821 20	46L5316M	230 V	32 mm

Pumps without solenoid valve



Double line intake.
Pressure adjustable 6 - 14 bar



R+M Nr.	TYP	coil	hub
820 20	46L2386	-	32 mm

Filter complete



R+M Nr.
822 40

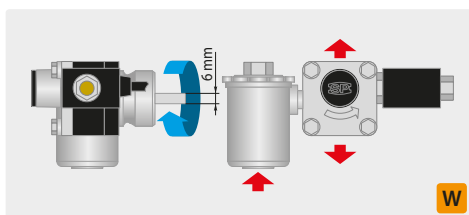
Membrane



Coil



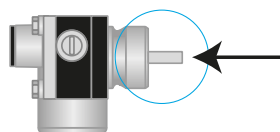
R+M Nr.	R+M Nr.	V
822 15	821 024	24 V
	821 220	230 V



R+M Nr.	TYP	coil	hub
821 30	46L5416 M	24 V	32 mm
821 40	46L5416 M	230 V	32 mm

Attention!

Rotating direction always
stated in view of the shaft.



Cartridge filter



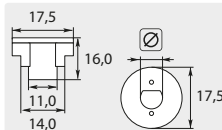
R+M Nr.	R+M Nr.
822 50	822 55

* Since October 2017, all service pumps Diamond Series 2.0 have been manufactured and delivered with Danfoss DLC inside™ and long-life coil Diamond. All service pumps have been inspected and approved for operation with B10 (fuel oil with addition of 10 % of biodiesel).

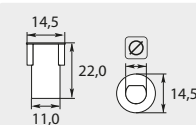
Fuel pumps drive pegs

Coupling for shaft $\varnothing$ 6 mm

R+M Nr.	$\varnothing$
822 30	6 mm

Coupling for shaft $\varnothing$ 8 mm short

R+M Nr.	$\varnothing$
822 25	8 mm

Coupling for shaft $\varnothing$ 8 mm long

R+M Nr.	$\varnothing$
822 35	8 mm

Fuel solenoid valves

Rapa BV 01 without cable



NC. Normally closed. Max. 24 bar / 60 °C

R+M Nr.	$\varnothing$	coil
830 10	1/8" F	24 V
830 20	1/8" F	230 V
830 30	1/4" F	24 V
830 40	1/4" F	230 V

Spare coils Rapa



Rapa M13

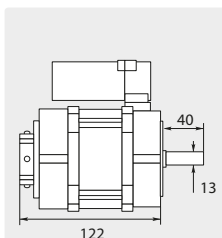
R+M Nr.	V
830 70	230 V

Cable with connector



R+M Nr.	length
832 50	500 mm
832 40	1,050 mm

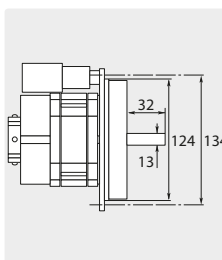
Motor with pump shaft 32 mm



Output max. 150 W - 1.3 A. Cable 500 mm. Right or left rotation

R+M Nr.	V
811 03	230 V

Flange with pump shaft 32 mm

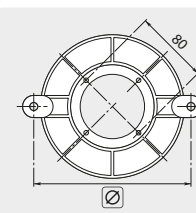


Output max. 110 W - 0.88 A. Cable 500 mm. Left rotation

R+M Nr.	V
810 00	230 V

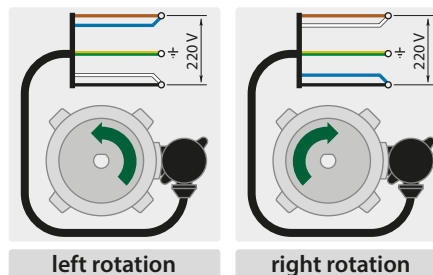
Burner motors

Flange for burner motors



R+M Nr.	TYP	$\varnothing$
811 01	NEMA 1	172 mm
811 02	NEMA 2	184 mm

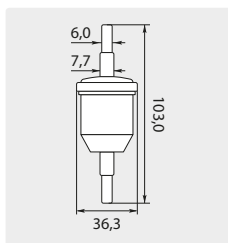
Cable connection for motor left and right



C	function	C	function
brown+blue	phase	brown+white	phase
black+white	neutral	black+blue	neutral
yellow/green	ground	yellow/green	ground

Fuel filter

Fuel filter

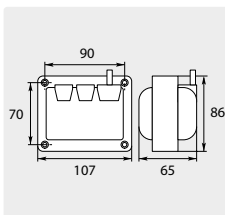


R+M Nr.
829 05

Symbols $\varnothing$ diameter TYP type V voltage $\varnothing$ thread length C colour

Ignition transformers

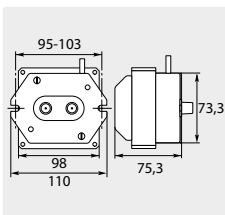
COFi without flange. Cable on side



Connection: ignition cable with self-cutting screw. Output 2 x 4,000 V / 12 mA / 100 % ED

R+M Nr.	TYP	cable	V
805 00	812 C	350 mm	230 V

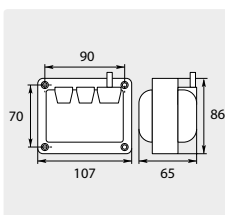
May & Christe with flange. Cable on top



Output 2 x 5,000 V / 10 mA / 100 % ED

R+M Nr.	TYP	cable	V
800 00 *	Z10 100 LH51	650 mm	230 V
800 10	Z10 100 E-45	400 mm	230 V

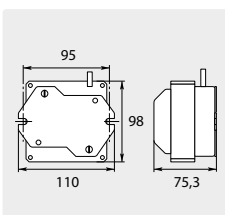
COFi without flange. Cable on side



Connection: ignition cable with connector
 Ø 4 mm. Output 2 x 4,000 V / 12 mA / 100 % ED

R+M Nr.	TYP	cable	V
805 05	812 C	350 mm	230 V

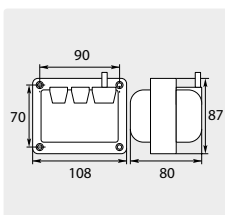
May & Christe with flange. Cable on side



Output 2 x 5,000 V / 10 mA / 100 % ED

R+M Nr.	TYP	cable	V
800 20	Z10 100 E-1	400 mm	230 V

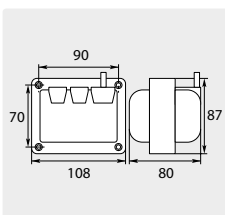
COFi without flange. Cable on side



Connection: ignition cable with self-cutting screw. Output 2 x 5,000 V / 20 mA / 100 % ED

R+M Nr.	TYP	cable	V
805 40	1020 C	700 mm	230 V
805 50	1020 C	700 mm	400 V

COFi without flange. Cable on side



Connection: ignition cable with connector
 Ø 4 mm. Output 2 x 5,000 V / 20 mA / 100 % ED

R+M Nr.	TYP	cable	V
805 45	1020 C	700 mm	230 V
805 55	1020 C	700 mm	400 V

Connector



K

Double connector with cable

R+M Nr.	cable
852 14	700 mm



Universal

R+M Nr.
852 70



Angle blue. For Nr.
855 20, 855 40, 855 50

R+M Nr.
852 30

Ignition cables



Cable with connector. 6.3 mm

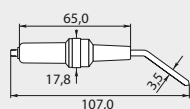
R+M Nr.	C
855 20	red 180 mm



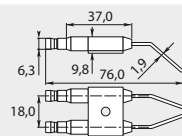
Per metre

R+M Nr.	C
855 50	black
855 40	red

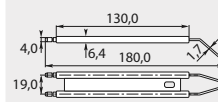
Ignition electrodes



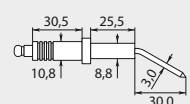
R+M Nr.	suitable for
852 10	Kärcher



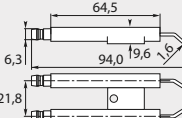
R+M Nr.	suitable for
852 12	Kärcher



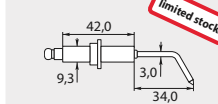
R+M Nr.	suitable for
124 408 0	Kränzle



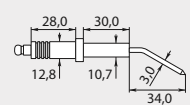
R+M Nr.	suitable for
851 30	SIAL



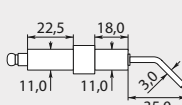
R+M Nr.	suitable for
850 60	Alto



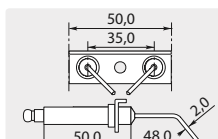
R+M Nr.	suitable for
851 15	COMET



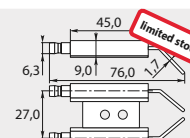
R+M Nr.	suitable for
851 35	SIRIO



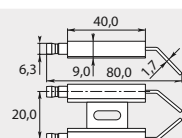
R+M Nr.	suitable for
851 10	LAVORWASH



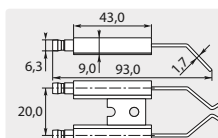
R+M Nr.	suitable for
851 55	Lavor



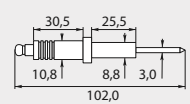
R+M Nr.	suitable for
850 20	Frank



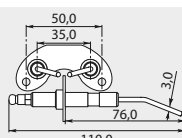
R+M Nr.	suitable for
851 60	Idromatic



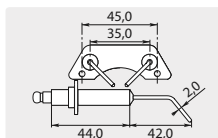
R+M Nr.	suitable for
851 65	Idromatic



R+M Nr.	suitable for
851 05	PORTO

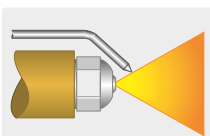


R+M Nr.	suitable for
851 00	PORTO

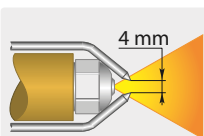


R+M Nr.	suitable for
851 20	PULITECNO

Adjustment of electrodes

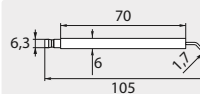


from side

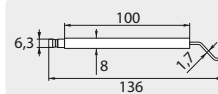


from top

- 1 Electrodes have to be positioned close to the atomized spray of fuel without getting in touch with it (ends have to stay dry).
- 2 There has to be sufficient space between the electrodes and the fuel nozzle as well as the flame control to avoid a flash over of the ignition spark.



R+M Nr.	suitable for
850 41	Wap



R+M Nr.	suitable for
850 52	Wap

R+M high quality spare parts are obtained from well-established manufacturers. As a rule they are no original spare parts. The original order numbers and the indication of other information are exclusively for your guidance and furthermore they are not intended for the general use, e.g. invoices addressed to end users. In case of mentioning the original order numbers in your orders it can not be assumed that the products ordered are original spare parts. Original spare parts are supplied when they are especially offered as those in our catalogue or in other mailing pieces such as special offers or newsletters.

Fuel nozzles



Hollow (1 gal = 3.785 litres)

Half hollow (1 gal = 3.785 litres)

		Steinen (H)		Danfoss (H)		Delavan (A)				Danfoss (B)		Delavan (W)	
		60°	80°	60°	80°	45°				60°	80°	45°	
US gph	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	US gph	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
0.50 G					677 41			1.00 G	675 32	677 82			
0.75 G				675 11		679 19 *		1.25 G					
0.85 G	665 31		675 21	677 71				1.35 G	675 52		679 212 1		
1.00 G	665 41		675 31	677 81	679 201			1.50 G		678 12	679 213 1		
1.10 G			675 36	677 851				1.75 G			679 204 1 *		
1.25 G	665 51	668 01	675 41	677 91	679 202			2.00 G	675 82				
1.35 G	665 61	668 11	675 51					2.25 G			679 217 1 *		
1.50 G	665 71		675 61	678 11									
1.75 G	665 91		675 71	678 21	679 204 *								
2.00 G	666 01		675 81										
2.25 G	666 11	668 61	675 91	678 41									
2.50 G	666 21	668 71	676 01										

Solid (1 gal = 3.785 litres)

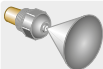
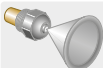
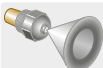
Steinen (S/ST)				Danfoss (S)		Delavan (B)	
	45°	60°	80°	60°	80°	45°	60°
US gph	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
0.50 G	660 42	665 10	667 60	674 90	677 40		679 10 *
0.60 G		665 11					
0.65 G	660 45	665 15	667 65	675 00	677 50		
0.75 G	660 46	665 20	667 70	675 10	677 60	679 20 *	
0.85 G	660 47	665 30	667 80	675 20	677 70		679 30 *
1.00 G	660 49	665 40	667 90	675 30	677 80		679 40 *
1.10 G				675 35	677 85		679 41 *
1.25 G	660 50	665 50	668 00	675 40	677 90	679 211 *	679 43
1.35 G		665 60	668 10	675 50	678 00	679 212 *	679 44
1.50 G	660 60	665 70	668 20	675 60	678 10	679 213	679 45
1.65 G	660 62	665 80	668 30			679 214	679 47
1.75 G	660 63	665 90	668 40	675 70	678 20		679 46
2.00 G	660 80	666 00	668 50	675 80	678 30		679 48 *
2.25 G	660 85	666 10	668 60	675 90	678 40	679 217 *	679 49 *
2.50 G		666 20	668 70	676 00	678 50		
2.75 G		666 40	668 90	676 05	678 60		
3.00 G			669 00	676 15			
3.50 G		666 50					
4.00 G		666 60					

Packing units

Steinen 12 pieces
Danfoss 10 pieces
Delavan 12 pieces

Further nozzles in
different packing units
are available on request.

Fuel nozzles manufacturer comparison chart

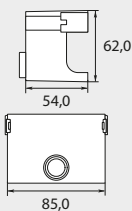
	Steinen	Danfoss	Monarch	Delavan	Hago	Fluidics
 Solid	S/ST	S/SR	AR/R	B	ES/B/P	S/SF
 Hollow	H	H/HR	NS/PL	A	H	H/HF
 Half hollow	Q	B	PLS/PLP	W	SS	-

* limited stock

Symbols  diameter
 type  length

Burner flame controls

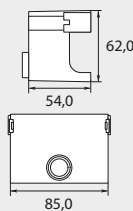
Landis & Gyr relay



Voltage 220 - 240 V / 50 Hz. Scale 187 - 264 V.
Temperature -20 - +60 °C

R+M Nr.	safety time	TYP
842 25	10 s	LOA 24

Danfoss relay



Voltage 220 - 240 V / 50 Hz. Scale 195 - 252 V.
Temperature -20 - +60 °C

R+M Nr.	safety time	TYP
840 14	10 s	OBC 82.10

Important

In case of using the series BHO 70 together with BHA 11/12 the new LDS has to be connected with the terminals 11 (blue) and 12 (black) of the BHA 11/12.

In case of replacing the series BHO 70 by BHO 64 which is already used with BHA 11/12 it is essential to choose the version of BHA 11/12 (1 October 2006) at which terminal 11 is added.

An alternative is to exchange the old Danfoss base part.

Socle Danfoss / Landis & Gyr



Socle with 12 connections

R+M Nr.
840 18



Front plate for socle

R+M Nr.
840 17

Photocell Danfoss



LDS 037H7057 with cable

R+M Nr.
840 19



Flange photocell

R+M Nr.
840 21

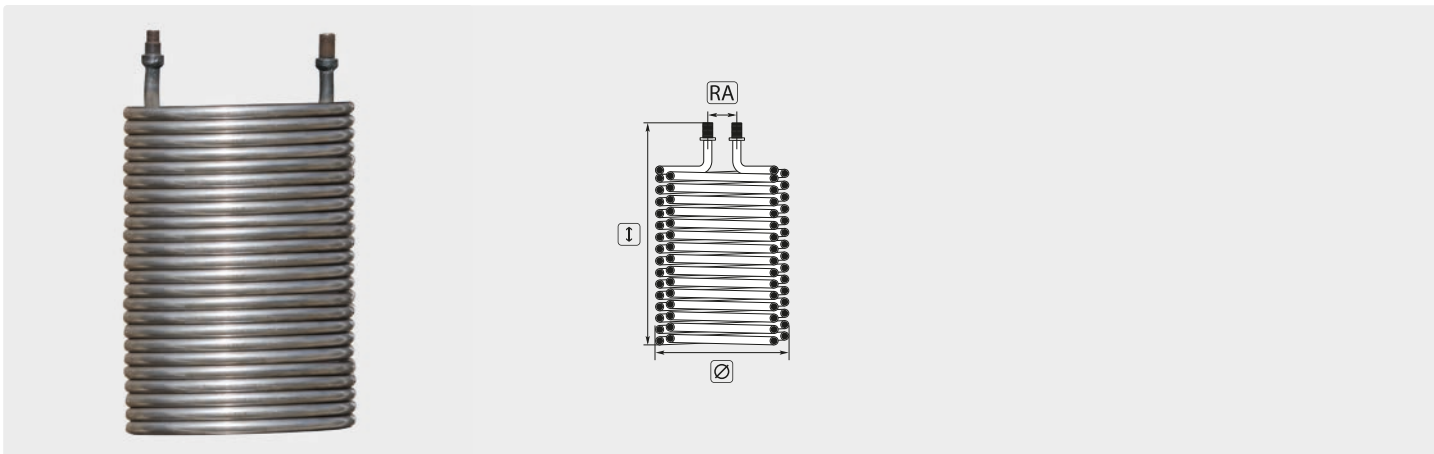


Tension ring

R+M Nr.
840 22

Coils

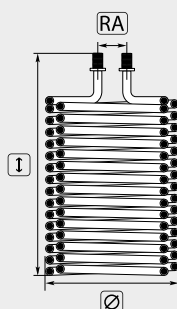
Suitable for Sirio



R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ
200 080 645	SKIPPER	550	280	215	17
200 080 640	MATCH BALL	460	280	215	17

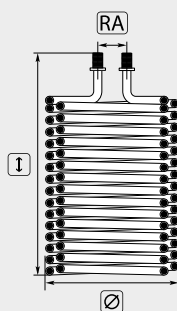
Coils

Coils suitable for Kärcher



Manufacturer Nr.	R+M Nr.
4.680-077.0	200 080 502
4.680-127.0	200 080 502
4.680-126.0	200 080 126
4.680-063.0	200 080 512
4.680-097.0	200 080 522
4.680-135.0	200 080 542
4.680-145.0	200 080 145
4.680-114.0	200 080 114
4.680-123.0	200 080 123

R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ	M
200 080 502	SB-HDWS1; SB-HDWS2; 500CI; 501C; 550C; 555CI; 555; 555C; 555CS; 557CI; 590C; 600C; 600CI; 600CS; 697CI; 698CSX; 790C; 790CS; 790CI; 797CI; 798C; 798CI; 801B; 840C; 890C; Farmer; SB-HDW; SB-HDWS1; SB-HDWS2; Weidner-Waschbär	400	277	57	17,2	steel
200 080 126	5/12C; 6/14C/CX; 501C; 550C; 551C; 558C/CSX; 698C; 798C/CSX; 990; 1000DE/BE; 1200DE; 2600; SB-HDW S/S2	435	277	57	17,2	steel
200 080 512	610; 580; 690; 750; 760; 800B; 800BE; 890; 990; 1000BE; 1000DE; 1200DE; SB-HDW-S; Farmer Super	455	277	57	17,2	steel
200 080 522	650; 655; 695; 699; 745; 755; 795; 891ST; 895; 945; 995; 1291ST; HDS Super; 895S	510	277	57	17,2	steel
200 080 123	650-4M; 655; 695; 698; 699; 745; 755; 795; 798; 8/18-4; 845-4; 850-4; 895; 9/18-4M; 995; Super; SB-HDS695	new 480	277	57	17,2	steel
200 080 114	650-4M; 655; 695; 698; 699; 745; 755; 795; 798; 8/18-4; 845-4; 850-4; 895; 9/18-4M; 995; Super; SB-HDS695	new 480	277	57	17,2	stainless steel
200 080 542	7/11; 7/12-4M/MX; 7/16C/CX; 7/16-4C/CX; 8/17C/CX; 8/17-4M/MX; 8/18-4C/CX/M/MX; 9/14ST; 9/15; 9/17-4C/CX/M; 9/18-4M/MX; 11/18-4S; 12/14ST; 12/14-4ST; 650 4M; 655M; 695M/ECO/S/SX; 850-4MX; 891ST; 895/M/MX/S/SX; 918; 995/M/MX/SX; 1195S/SX; 1291ST; Super/M/MX/SX	540	277	57	17,2	steel
200 080 145	10/20-4M/X	580	277	57	17,2	steel



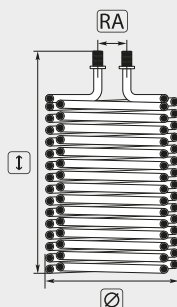
Manufacturer Nr.	R+M Nr.
4.680-070.0	200 080 532
4.680-098.0	200 080 532
4.680-144.0	200 080 144
4.680-146.0	200 080 146
4.680-084.0	200 080 552
4.680-121.0	200 080 121
4.680-151.0	200 080 151

R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ	M
200 080 532	1210; 1250; 1290; 1390; 1000; 1195; 1295; 1291ST; 1150-4S	530	320	170	21.3	steel
200 080 151	1210; 1250; 1290; 1390; 1000; 1195; 1295; 1291ST; 1150-4S	new 530	320	170	21.3	stainless steel
200 080 144	12/18-4S/SX	560	320	170	17.2	steel
200 080 146	13/20-4S/SX	595	320	170	17.2	steel
200 080 552	1590	620	320	170	21.3	steel
200 080 121	2000 Super	675	380	210	21.3	steel

Symbols TYP type RA pipe distance I height Ø diameter RØ pipe diameter M material shipment by truck

Coils

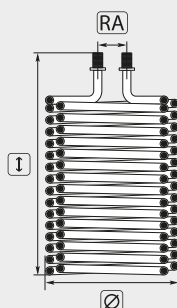
Suitable for WAP



Manufacturer Nr.	R+M Nr.
41171	200 080 600

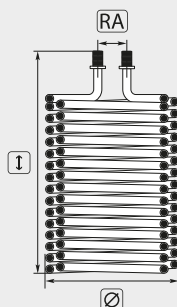
R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ
200 080 600	C / CS / DX bis 06/98	500	280	240	17.2

Suitable for Mazzoni



R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ
200 080 650 	W5050	540	285	80	17

Suitable for Portotecnica



Manufacturer Nr.	R+M Nr.
LAFN06313	200 080 635

R+M Nr.	Suitable for hp cleaner	I	Ø	RA	RØ
200 080 635 	Faip HD 200 / Fire Box / Futura / Golden Jet / Mistral Jet Profi 2360T / Mistral Jet Profi 2960T / Mistral Jet Profi DS23660T / Mistral Jet Profi DS2575T / Mistral Jet Profi DS2960T	480	300	250	17

Further coils suitable for Portotecnica are available on request!

Symbols RA pipe distance I height Ø diameter RØ pipe diameter  shipment by truck

