

ACCESSORIES SUBMERSIBLE MOTORS

Lead Splicing Kit up to 95 MM²

- Connection kit for cable extensions with cable connection sleeves for cable cross-sections up to 95 mm².
- Suitable for all common cable materials
- Long service life
- High electrical insulation values and mechanical strength
- Quick and easy assembly
- Components: Transparent plastic shell, ready-to-mix casting resin, insulating tape, installation instructions



Tech. Description	Mod. Nb.	Description	for cross-sections up to [mm ²]	L [mm]	Ø [mm]	H [mm]	Max. cable Ø [mm]
• 4 wire • up to 95mm² • up to 1,2kV	308 090 930	Splicing Kit 10	1.5 - 10	190	36	50	26
	308 090 931	Splicing Kit 25	10 - 25	260	47	63	34
	308 090 932	Splicing Kit 50	25 - 50	360	55	75	43
	308 090 933	Splicing Kit 95	50 - 95	400	70	95	48

4" Lead Termination Kit

This proven, sturdy solution is your choice of cable joining in temporary pump applications or when re-usage of the drop cable is desired. Furthermore, the flexibility and safety it provides for field service conditions makes it the preferred choice over conventional, not breakable splicing kits.

Technical Description:

- Max. current 18 Ampere in air @ max. 50°C ambient temperature
- Max. current 23 Ampere submersed in water @ max. 30°C ambient temperature
- Max. voltage 750 V

Kit- Type	Mod. Number	Description	Material Cable plug
Standard 304SS	308 090 901	w/o Strain relief	Brass
Strain Relief 304SS	308 090 902	with. Strain relief	Brass
Standard 316SS	308 090 911	w/o Strain relief	1.4404



DOUBLE PLUG LEAD 4" MOTOR DESIGN

- Connected between termination kit and 4" motor, required for use of lead termination kit.
- Max. current: 18 Ampere in air at max. 50 °C ambient temperature, 23 Ampere submersed in water at max. 30 °C ambient temperature
- Max. voltage: 750 V AC

Model no. 2- wire Motors	Material	Description:	Model no. PSC / 3-wire/ 3-Phase Motors	Material	Description	
308 130 061	304SS	3X1,5 mm ²	308 130 041	304SS	3x1.5 / 1G 1.5 mm ²	
-	316SS	1,5 m - w/o. Strain relief	308 130 051	316SS	1.50 m - w/o strain relief	
308 130 062	304SS	3X1,5 mm ²	308 130 042	304SS	3x1.5 / 1G 1.5 mm ²	
-	316SS	2,5 m - w/o Strain relief	308 130 052	316SS	2.50 m - w/o strain relief	
308 130 021	304SS	3X1,5 mm ²	308 130 031	304SS	3x1.5 / 1G 1.5 mm ²	
-	316SS	1,5 m - with. Strain relief(Brass)	-	316SS	1.50 m - with strain relief(Brass)	
308 130 022	304SS	3X1,5 mm ²	308 130 032	304SS	3x1.5 / 1G 1.5 mm ²	
-	316SS	2,5 m - with. Strain relief(Brass)	-	316SS	2.50 m - with strain relief(Brass)	

4" Motor 4000N Design with flat lead plug - start 07.2016 up to 12.2020

L (m)	Mat.	Mod. No.	PSC / 3 - wire / 3-Phase
1,5	316SS	308 130 011	3X1,5 & 1G1,5mm ² 1,5 m - w/o. Strain relief
2,5	316SS	308 130 012	



ACCESSORIES SUBMERSIBLE MOTORS

4" Motor Design with round lead plug 9.3kW

L (m)	Mat.	Mod. No.	3-Phase
1,5	316SS	309 116 501	3X1,5 & 1G1,5mm ² 1,5 m - w/o. Strain relief
2,5	316SS	309 116 502	



CORROSION PROTECTION 4" MOTORS

Description	Model no.		
- For use in more aggressive media - Mounting on the bottom of the motors - Material: GG 25 System of operation: Wells with extremely high levels of chlorides and other elements combined with high temperatures will attack almost any type of metal, including stainless steel. When in contact with a more noble metal, the less noble metal becomes the anode of a galvanic cell. Oxidation occurs at the anode. It slowly dissolves (sacrificial anode), leaving the more noble metal unaffected. The result is a longer service life of the motor/pump unit in more aggressive media.	 4000 N: 308 250 912 Design up to 06.2016 4000 N: 308 250 914 Design starting 07.2016 6500 N: 308 250 913	 4000N	 6500N

MOTOR FILLING LIQUID

Description	FES92	FES91	FES93
5 l motor filling liquid FES92 model no. 308 353 941 			

motor type	required motor filling
4" encapsulated motor Standard / PM motor	FES93
6" encapsulated Standard / PM motor	FES91
6" encapsulated High Temp motor	FES92

motor type	required motor filling
8" encapsulated Standard motor	FES91
8" encapsulated High Temp 75 motor	FES92
6"/8"/10"/12" rewindable Standard / PM motor	FES93

MOTOR FILLING KIT

Description	Model no.	
This kit contains all necessary tools to check and replenish Franklin Electric submersible motors with filling liquid (fill solution/concentrate must be ordered separately).	308 726 103	

PTC Lead (only as spare parts)

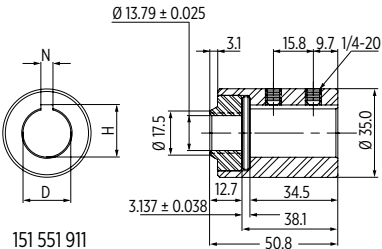
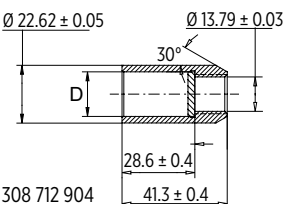
Ø = 2x0,75 mm ²	D = 7,0 mm	L (m)	Mod.-No.
		4	310 364 004
		10	310 364 010
		20	310 364 020
		30	310 364 030

ACCESSORIES SUBMERSIBLE MOTORS

MOTOR/PUMP COUPLINGS

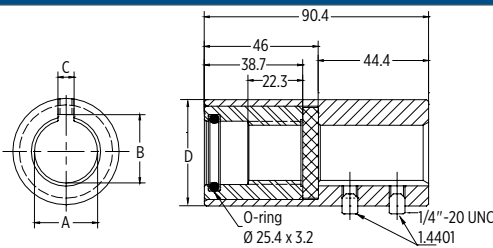
- Motor-pump couplings for matching Franklin Electric motors to a variety of pump shafts.
- Couplings are designed to transmit the pump thrust to the motor in order to provide maximum benefits from the Franklin internal thrust bearing construction.
- Hardened Stainless steel spacer discs in the 4" and 6" couplings assure positive bearing between motor and pump shafts and assure full support for downward thrust created by the pump. (8" couplings DO NOT contain hardened spacer discs, since the motor shaft itself is hardened.)

4" Motor/pump couplings

Description	Dimensions	
■ 4" motor/pump coupling ■ NEMA Standard measuring on motor shaft ■ separate washer between motor and pump shafts ■ Material: 304SS / 316SS		 

Model no.	Coupling Material DIN (AISI)	Dimension D [mm] Max. / Min.	Dimension N [mm] Max. / Min.	Dimension H [mm] Max. / Min.
151 551 911	304SS	19.075 / 19.063	4.838 / 4.788	20.70 / 20.53
308 712 904	316SS	17.50 / 17.48		

6" Motor/pump couplings

Description	Dimensions	
■ 6" motor/pump coupling ■ NEMA Standard measuring on motor shaft ■ separate washer between motor and pump shafts ■ Material: 304SS / 316SS		

Model no.	Coupling Material DIN (AISI)	Dimension A [mm] Max. / Min.	Dimension B [mm] Max. / Min.	Dimension C [mm] Max. / Min.	Dimension D [mm]
151 935 902	1.4005 (304SS)	19,075 / 19,063	20,70 / 20,52	4,84 / 4,79	43,0
151 935 922	1.4401 (316SS)				
151 935 910	1.4005 (304SS)	20,025 / 20,013	22,76 / 22,60	6,05 / 6,00	43,0
151 935 927	1.4401 (316SS)				
151 935 908	1.4005 (304SS)	22,025 / 22,013	25,53 / 25,32	8,03 / 7,98	43,0
151 935 928	1.4401 (316SS)				
151 935 901	1.4005 (304SS)	22,250 / 22,238	24,54 / 24,36	6,43 / 6,38	43,0
151 935 921	1.4401 (316SS)				
151 935 906	1.4005 (304SS)	25,025 / 25,013	28,70 / 28,30	8,03 / 7,98	43,0
151 935 926	1.4401 (316SS)				
151 935 909	1.4005 (304SS)	25,425 / 25,413	27,74 / 27,56	6,43 / 6,38	43,0
151 935 929	1.4401 (316SS)				

ACCESSORIES SUBMERSIBLE MOTORS

8" Motor/pump couplings

Description	Dimensions
- Material: 304SS / 316SS - NEMA standard measuring on motor shaft - Separation washer between motor and pump shaft	

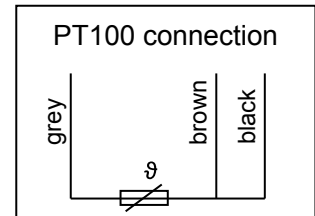
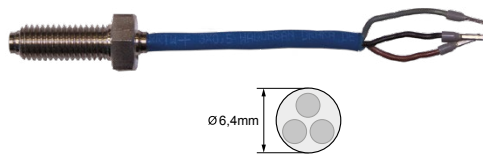
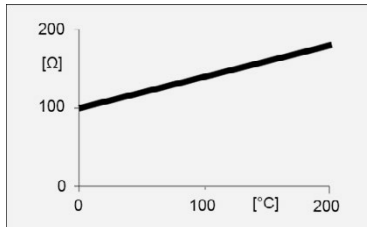
Model no.	Coupling Material DIN (AISI)	Dimension A [mm] Max. / Min.	Dimension B [mm] Max. / Min.	Dimension C [mm] Max. / Min.
156 563 901	1.4005 (304SS)	25.425 / 25.413	28.27 / 28.17	6.38 / 6.32
156 563 921	1.4404 (316SS)			
156 563 902	1.4005 (304SS)	30.188 / 30.175	33.73 / 33.63	7.96 / 7.91
156 563 922	1.4404 (316SS)			
156 563 903	1.4005 (304SS)	31.775 / 31.763	35.36 / 35.26	7.96 / 7.91
156 563 923	1.4404 (316SS)	38.125 / 38.113		
156 563 904	1.4005 (304SS)	38.125 / 38.113	42.37 / 42.27	9.55 / 9.50
156 563 924	1.4404 (316SS)	38.125 / 38.113		
156 563 905	1.4005 (304SS)	19.085 / 19.063	20.70 / 20.52	4.84 / 4.79
156 563 906	1.4005 (304SS)	30.188 / 30.175	33.02 / 32.92	6.38 / 6.32
156 563 926	1.4404 (316SS)	30.188 / 30.175	33.02 / 32.92	6.38 / 6.32
156 563 907	1.4005 (304SS)	22.250 / 22.238	24.54 / 24.36	6.43 / 6.38
156 563 908	1.4005 (304SS)	22.024 / 22.011	25.53 / 25.32	8.03 / 7.98
156 563 931	1.4404 (316SS)			
156 563 929	1.4404 (316SS)	42.888 / 42.850	47.12 / 47.04	9.55 / 9.50

ACCESSORIES SUBMERSIBLE MOTORS

PT 100 SENSOR - 6"/8" ENCAPSULATED MOTORS (STANDARD & PM)

The PT100 is a precision platinum wire resistor that is specified occasionally as a temperature input for process control equipment. A jacketed control lead must be run from the PT100 lead to the above-ground equipment. The above-ground equipment is not available from Franklin Electric and is typically part of a custom panel or data acquisition system. PT100 sensor retrofit kits from Franklin Electric come with complete instructions and allow for easy field installation.

(Franklin Electric does not offer the required sensing device, it is available from speciality dealers.)



To install the PT100 sensor bolt, remove the top end bell bolt that is opposite of the lead and replace it with the PT100 screw. Tighten the sensor bolt to the torque values shown below.

6" PT100 - 4kW- 45kW 54- 61 Nm
8" PT100 - 30kW- 45kW 54- 61 Nm

8" PT100 - 30kW- 45kW 54- 61 Nm
55kW- 150kW 115- 122 Nm

PT 100 SENSOR - 6"/8" CT STANDARD MOTORS SETTINGS

Conditions	Temp. of the water without motor operation	Max. Trip temp. / Resistance Setting (for standard Lead length)
Motor operating at nameplate output with 0.16 m/sec flow past the motor	10°C	40°C / 115,5 Ω
	15°C	44°C / 117,0 Ω
	20°C	48°C / 118,6 Ω
	25°C	51°C / 119,7 Ω
	30°C	55°C / 121,3 Ω
Motor that has been Derated with 1 m/sec flow past the motor	35°C	59°C / 122,8 Ω
	40°C	63°C / 124,3 Ω
	45°C	66°C / 125,5 Ω
	50°C	70°C / 127,0 Ω
	55°C	74°C / 128,6 Ω
	60°C	78°C / 130,1 Ω

PT 100 SENSOR - 6" CT PM MOTORS SETTINGS

6" CT PM Motor rating [kW]	max. Medium Temp. [°C]	Cooling flow along the motor [m/s]	Max. Trip temp. / Resistance Setting (for standard Lead length)
11	30	0,2	47 °C / 121,3 Ω
22	30	0,2	
45	30	0,5	

PT100 Sensor - 6" CT Standard Motors*

Kit Number	Motor Type	Wire Insul.	Screw Material	max. Medium Temp.	Lead [mm²]	Lead length [m]
305 327 903	6" all Ratings ½ - 13 UNC Europe motors up to : 07. 2002 US motors starting : 11.2001	Rubber	316SS	60°C	3X0,5	10

PT100 Sensor - 8" CT Standard Motors*

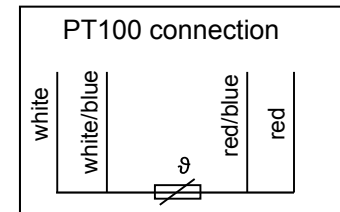
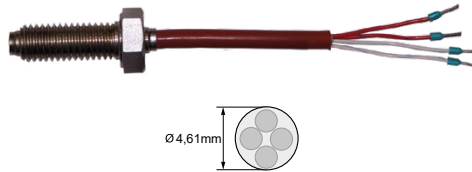
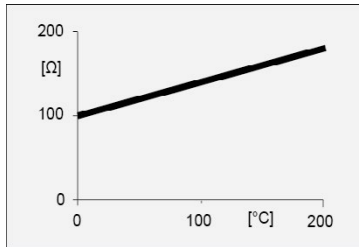
Kit Number	Motor Type	Wire Insul.	Screw Material	max. Medium Temp.	Lead [mm²]	Lead length [m]
305 326 902	Motors Type 2.1 up to 09.2020	Rubber	316SS	60°C	3X0,5	10
305 326 901	Motors Type 1 and Motors Typ 2.1 starting 09.2020	Rubber	316SS	60°C	3X0,5	10

* The PT100 sensor is not a motor overload protector, which means the warranty will be voided if a separate motor protector is not installed as required by the Franklin Electric Application Installation Maintenance Manual (AIM).

ACCESSORIES SUBMERSIBLE MOTORS

PT100 Sensor 6" / 8" Encapsulated HighTemp Motors

Its ohmic resistance is proportional to the sensed temperature. The FE field replaceable PT100 is potted into a screw holding the upper end bell. Because of his remote position relative to the windings, the sensing relay should be adjusted according to the below table.



To install the PT100 sensor bolt, remove the top end bell bolt that is opposite of the lead and replace it with the PT100 screw. Tighten the sensor bolt to the torque values shown below.

6" PT100 - 4kW- 30kW 54- 61 Nm
8" PT100 - 30kW- 110kW 115 - 122 Nm

Franklin Electric does not offer the required sensing device, it is available from speciality dealers.

Conditions	Temp. of the water without motor operation	Max. Trip temp. / Resistance Setting
Motor operating at nameplate output with 0.16 m/sec flow past the motor	50°C	60°C
	60°C	70°C
	70°C	80°C
	75°C	85°C
	80°C	90°C
	90°C	100°C

PT100 Sensor - 6" CT Motors HighTemp90°C

Kit Number	Motor Type	Wire Insul.	Screw Material	max. Medium Temp.	Lead [mm ²]	Lead length [m]
156 098 111K	4 - 30kW	Silicon	1.4571	90°C	4X0,35	10
156 098 112K		Silicon	1.4571	90°C	4X0,35	130

PT100 Sensor - 8" CT Motors HighTemp75°C

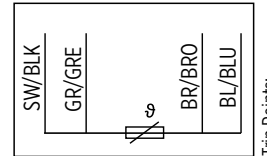
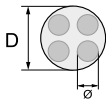
Kit Number	Motor Type	Wire Insul.	Screw Material	max. Medium Temp.	Lead [mm ²]	Lead length [m]
156 098 116K	30 - 110kW (Type 1)	Silicon	1.4571	90°C	4X0,35	10
156 098 117K		Silicon	1.4571	90°C	4X0,35	130

ACCESSORIES SUBMERSIBLE MOTORS

PT100 Sensor - 6"/8"/10"/12" Standard Rewindable Motors Standard and PM

- Fitted into the upper end bell flange, all end bells 6", 8", 10" and 12" Standard Rewindable Motors are prepared for installation PT100
- Measures the temperature of the filling liquid
- Conductor with a resistance proportional to the temperature
- Allows monitoring the temperature continuously

The above-ground equipment is not available from Franklin Electric and is typically part of a custom panel or data acquisition system. PT100 sensor retrofit kits from Franklin Electric come with complete instructions and allow for easy field installation.



Kabellänge [m]	Ø [mm²]	D [mm]	6" Rew Redesign starting 08.2012		6" (WW) / 8" / 10" / 12"		Setting Temperature	
			304/316	904L	304/316	904L	Standard Motors	PM Motors
10	4X0,5	8	308 016 501	308 016 522	308 016 401	308 016 422	PVC = 55°C PE2/PA = 75°C	8" REW PM Motors: 55 °C 10" REW PM Motors: 65 °C
20	4X0,5	8	308 016 502	-	308 016 402	-		
30	4X0,5	8	308 016 503	-	308 016 403	-		
50	4X0,5	8	308 016 505	308 016 526	308 016 405	308 016 426		

*The PT100 is not a motor overload protector, which means the warranty will be voided if a separate motor protector is not installed as required by the Franklin Electric Application Installation Maintenance Manual (AIM)

6" Permanent Star Plug

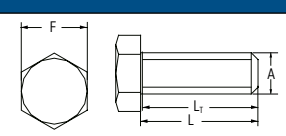
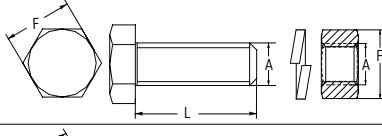
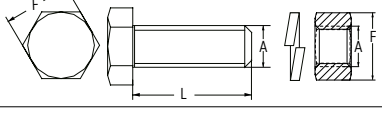
For some applications it may be necessary to permanently run a star-delta submersible motor in star connection. This may be achieved by using the PERMANENT-STAR-PLUG. This connector short - circuits all three pins in one of the two motor sockets and is designed to replace one lead.

Part- Nb.: 304- 308 065 901

Part- Nb.: 316SS- 308 065 951



Pump connection screw Kit's

	Motor type	Material	L / L _T [mm]	Thread type	F [mm]	Model no.
	6" CT	316SS	38.1	1/2-20UNF	19	308 659 318
	8" / 8" REW	316SS	70	M16	24	308 659 327
	10" / 12" REW	316SS	80	M20	30	308 659 319

ACCESSORIES SUBMERSIBLE MOTORS

COOLING SLEEVE FOR SUBMERSIBLE MOTOR PUMPS

The heat loss generated by the submersible motor must be dissipated to the pumped medium by means of convection. If the minimum cooling speed along the submersible motor cannot be guaranteed, it is mandatory to install a cooling jacket in order to generate sufficient cooling.

To provide cooling, the pump-motor unit is supplemented by a cooling sleeve. This separate „sheet metal jacket“ is sealed above the pump inlet. The pumped medium is thus sucked in from below and directed past the motor in order to dissipate the generated motor heat loss (convection).

Appropriate brackets and inlet strainers are available for horizontal installation in an open body of water, e.g. a tank, a lake or a flowing body of water.



COMPONENTS COOLING SLEEVE KIT

- 1 Cooling sleeve tube (Stainless steel)
- 2 Pump sealing ring (EPDM) with drinking water approval
- 3 Motor spacer
- 4 Pipe clamps
- 5 Filter strainer (accessories)
- 6 Console (accessory for horizontal mounting)



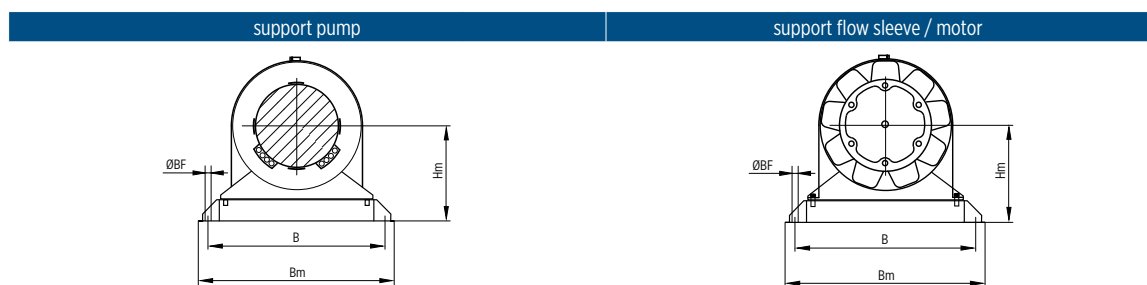
COOLING SLEEVE FOR 4" SUBMERSIBLE MOTOR PUMPS

FE pump type		FE motors		dimensions [mm]	model no. cooling sleeve 304SS**	Accessories	
		type*	P _N [kW]			model no. strainer	model no. support brackets (for horizontal installation)
4"	VS 1, VS 2, VS 3 VS 4, VS 6, VS 7 VS 8, VS 10	4" CT	1- / bis 0.75	Ø 115 x 400	309 005 101	309 005 161 [Ø 115 mm x 117 mm]	309 005 601 (Set = 2 pcs.)
			1- / 1.1 - 1.5	Ø 115 x 500	309 005 102		
			3- / 2.2 - 3.0	Ø 115 x 800	309 005 103		309 005 602 (Set = 2 pcs.)
			1- / 2.2	Ø 115 x 1000	309 005 104		
			3- / 3.7 - 5.5	Ø 115 x 1000	309 005 105		
	VS 15	4" CT	1- / 2.2	Ø 145 x 625	309 005 105	309 005 261 [Ø 145 mm x 158 mm]	309 005 603 (Set = 2 pcs.)
			3- / 2.2 - 3.0	Ø 145 x 800	309 005 106		
			3- / 3.7 - 5.5	Ø 145 x 1000	309 005 107		

* CT: encapsulated motors, RW: rewindable motors

** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request)

DIMENSIONS SUPPORT BRACKETS 4"



Support brackets model no.	Middle height	Support pump			Support flow sleeve / motor		
	Hm [mm]	B [mm]	Bm [mm]	Ø BF [mm]	B [mm]	Bm [mm]	Ø BF [mm]
309 005 601	100	185	220	11	185	220	11
309 005 602	100	235	275	11	235	275	11
309 005 603	115	265	315	11	265	315	11

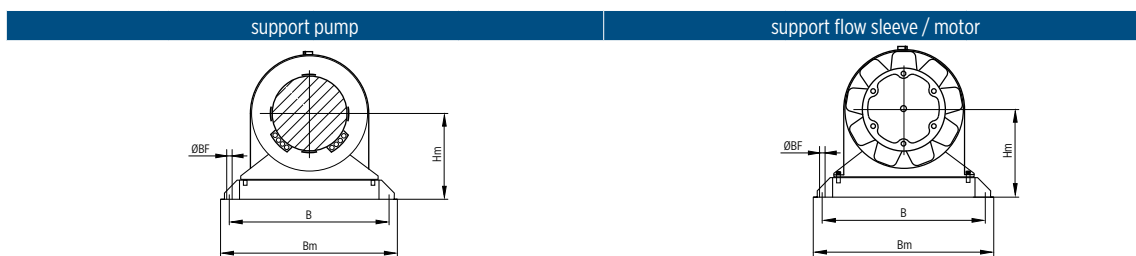
COOLING SLEEVE FOR 6" SUBMERSIBLE MOTOR PUMPS

FE pump type		FE motors		dimensions [mm]	model no. cooling sleeve 304SS**	Accessories	
		type*	P _N [kW]			model no. strainer	model no. support brackets (for horizontal installation)
6"	VS 14, VS 19, VS 30	4" CT	3- / 2.2	Ø 160 x 625	309 005 301	309 005 361 [Ø 160 mm x 158 mm]	309 005 611 (Set = 2 pcs.)
		4" CT	3- / 3.7 - 5.5	Ø 160 x 800	309 005 302		
		4" CT	3- / 7.5	Ø 160 x 1000	309 005 303		
		6" CT	4.0	Ø 180 x 625	309 005 304	309 005 461 [Ø 180 mm x 192 mm]	309 005 612 (Set = 2 pcs.)
		6" CT	5.5 - 11	Ø 180 x 800	309 005 305		
		6" RW	4 - 9.3	Ø 180 x 800	309 005 306		
		6" CT	15 - 22	Ø 180 x 1000	309 005 307		
		6" RW	11 - 18.5	Ø 180 x 1000	309 005 308		
		6" CT	30	Ø 180 x 1250	309 005 309		
		6" RW	22 - 30	Ø 180 x 1250	309 005 310		
		6" CT	37	Ø 180 x 1500	309 005 311		
		6" RW	37	Ø 180 x 1500	309 005 312		
		6" CT	45	Ø 180 x 1700	309 005 313		
							309 005 613 (Set = 3 pcs.)
6"	VS 46 VS 65	4" CT	3.0 - 4	Ø 180 x 800	309 005 314	309 005 461 [Ø 180 mm x 192 mm]	309 005 612 (Set = 2 pcs.)
		4" CT	5.5 - 7.5	Ø 180 x 1000	309 005 315		
		6" CT	4 - 11	Ø 200 x 800	309 005 316	309 005 471 [Ø 200 mm x 192 mm]	309 005 622 (Set = 2 pcs.)
		6" RW	4 - 7.5	Ø 200 x 800	309 005 317		
		6" CT	15 - 22	Ø 200 x 1000	309 005 318		
		6" RW	9.3 - 18.5	Ø 200 x 1000	309 005 319		
		6" CT	30	Ø 200 x 1250	309 005 320		
		6" RW	22 - 26	Ø 200 x 1250	309 005 321		
		6" CT	37 - 45	Ø 200 x 1700	309 005 322		
		6" RW	30 - 37	Ø 200 x 1500	309 005 323		
		8" CT	55	Ø 254 x 1500	309 005 324	309 005 481 [Ø 256 mm x 325 mm]	309 005 623 (Set = 3 pcs.)
		8" RW	45 - 55				
							309 005 624 (Set = 3 pcs.)

* CT: encapsulated motors, RW: rewindable motors

** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request)

DIMENSIONS SUPPORT BRACKETS 6"



Support brackets model no.	Middle height	Support pump			Support flow sleeve / motor		
	Hm [mm]	B [mm]	Bm [mm]	Ø BF [mm]	B [mm]	Bm [mm]	Ø BF [mm]
309 005 611	125	280	330	11	280	330	11
309 005 612	140	260	310	11	300	350	11
309 005 613	140	260	310	11	300	350	11
309 005 622	150	320	370	11	320	370	11
309 005 623	150	320	370	11	320	370	11
309 005 624	200	280	330	15	380	430	15

COOLING SLEEVE FOR 8" SUBMERSIBLE MOTOR PUMPS

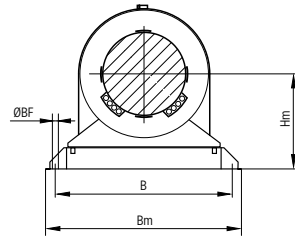
FE pump type		FE motors		dimensions [mm]	model no. cooling sleeve 304SS**	Accessories	
		type*	P _N [kW]			model no. strainer	model no. support brackets (for horizontal installation)
8"	VS 78	6" CT	7.5 - 18.5	Ø 225 x 1000	309 005 501	309 005 491 [Ø 225 mm x 240 mm]	309 005 631 (Set = 2 pcs.)
		6" RW	7.5 - 15	Ø 225 x 1000	309 005 502		
		6" CT	22 - 30	Ø 225 x 1250	309 005 503		309 005 632 (Set = 3 pcs.)
		6" RW	18.5 - 26	Ø 225 x 1250	309 005 504		
		6" CT	37	Ø 225 x 1500	309 005 505		309 005 633 (Set = 2 pcs.)
		6" RW	30 - 37	Ø 225 x 1500	309 005 506		
		8" CT	45	Ø 254 x 1500	309 005 507	309 005 481 [Ø 256 mm x 325 mm]	309 005 634 (Set = 3 pcs.)
		8" RW	30 - 37	Ø 254 x 1500	309 005 508		
		8" CT	55	Ø 254 x 1500	309 005 509		
		8" RW	45 - 55	Ø 254 x 1500	309 005 510		
		8" CT	75	Ø 254 x 1700	309 005 511		309 005 638 (Set = 3 pcs.)
		8" RW	60 - 83	Ø 254 x 1700	309 005 512		
		8" CT	93	Ø 254 x 2000	309 005 513		
		8" RW	93	Ø 254 x 2000	309 005 514		
8"	VS 97	6" CT	7.5 - 18.5	Ø 254 x 1000	309 005 512	309 005 481 [Ø 256 mm x 325 mm]	309 005 633 (Set = 2 pcs.)
		6" RW	9.3 - 13	Ø 254 x 1000	309 005 513		
		6" CT	22 - 30	Ø 254 x 1250	309 005 514		309 005 634 (Set = 3 pcs.)
		6" RW	18.5 - 26	Ø 254 x 1250	309 005 515		
		6" CT	37	Ø 254 x 1700	309 005 516	309 005 526 [Ø 285 mm x 325 mm]	309 005 637 (Set = 2 pcs.)
		6" RW	30 - 37	Ø 254 x 1500	309 005 517		
		8" CT	45	Ø 285 x 1250	309 005 518		
		8" RW	30 - 37	Ø 285 x 1250	309 005 519		
		8" CT	55	Ø 285 x 1500	309 005 520		309 005 638 (Set = 3 pcs.)
		8" RW	45 - 55	Ø 285 x 1500	309 005 521		
		8" CT	75	Ø 285 x 1700	309 005 522		
		8" RW	60 - 83	Ø 285 x 1700	309 005 523		
8"	VSC 114 VSC 132 VSC 156	6" CT	7.5 - 9.3	Ø 254 x 800	309 008 002	309 005 481 [Ø 256 mm x 325 mm]	309 005 640 (Set = 2 pcs.)
		6" CT	11 - 22	Ø 254 x 1000	309 008 001		
		6" CT	30	Ø 254 x 1250	309 008 003		309 005 641 (Set = 3 pcs.)
		6" CT	37 - 45	Ø 254 x 1800	309 008 004		
		6" RW	7.5 - 9.3	Ø 254 x 950	309 008 005		309 005 640 (Set = 2 pcs.)
		6" RW	11 - 18.5	Ø 254 x 1100	309 008 006		
		6" RW	22 - 26	Ø 254 x 1250	309 008 007	309 005 526 [Ø 285 mm x 325 mm]	309 005 641 (Set = 3 pcs.)
		6" RW	30 - 37	Ø 254 x 1500	309 008 008		
		8" CT	55	Ø 285 x 1500	309 008 009		309 005 642 (Set = 3 pcs.)
		8" RW	45 - 55	Ø 285 x 1500	309 008 010		
		8" CT	75	Ø 285 x 1650	309 008 011		
		8" RW	60 - 75	Ø 285 x 1650	309 008 012		
		8" RW	83 - 93	Ø 285 x 1850	309 008 013		
		8" CT	93	Ø 285 x 2000	309 008 014		
		8" CT	110	Ø 285 x 2200	309 008 015		
		8" CT	130	Ø 285 x 2400	309 008 016	309 005 523 [Ø 330 mm x 385 mm]	309 005 643 (Set = 3 pcs.)
		8" CT	150	Ø 285 x 2600	309 008 017		
		10" RW	110 - 130	Ø 330 x 1750	309 008 018	309 005 523 [Ø 330 mm x 385 mm]	309 005 643 (Set = 3 pcs.)
		10" RW	150 - 185	Ø 330 x 2000	309 008 019		

* CT: encapsulated motors, RW: rewindable motors

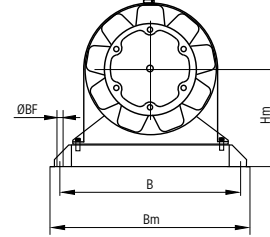
** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request)

DIMENSIONS SUPPORT BRACKETS 8"

support pump



support flow sleeve / motor



Support brackets model no.	Middle height	Support pump			Support flow sleeve / motor		
	Hm [mm]	B [mm]	Bm [mm]	Ø BF [mm]	B [mm]	Bm [mm]	Ø BF [mm]
309 005 631	200	320	370	15	360	410	15
309 005 632	200	320	370	15	360	410	15
309 005 633	200	320	370	15	380	430	15
309 005 634	200	320	370	15	380	430	15
309 005 637	225	320	370	15	410	460	15
309 005 638	225	320	370	15	410	460	15
309 005 640	200	320	370	15	380	430	15
309 005 641	200	320	370	15	380	430	15
309 005 642	225	320	370	15	410	460	15
309 005 643	250	320	370	15	450	500	15

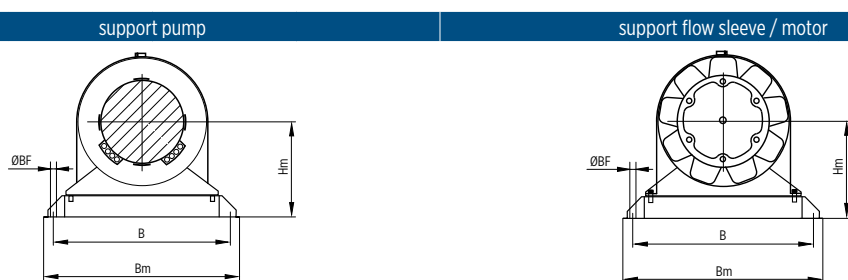
COOLING SLEEVE FOR 10" SUBMERSIBLE MOTOR PUMPS

FE pump type		FE motors		dimensions [mm]	model no. cooling sleeve 304SS**	Accessories	
		type*	P _N [kW]			model no. strainer	model no. support brackets (for horizontal installation)
10"	VSC 204 VSC 264 VSC 304	8" CT	37	Ø 330 x 1250	309 008 018	309 005 523 [Ø 330 mm x 385 mm]	309 005 644 (Set = 2 pcs.)
		8" CT	55	Ø 330 x 1500	309 008 019		309 005 645 (Set = 3 pcs.)
		8" RW	37 - 67				
		8" CT	75	Ø 330 x 1700	309 008 020		
		8" RW	75				
		8" RW	83 - 93	Ø 330 x 1850	309 008 021		
		8" CT	93	Ø 330 x 2000	309 008 022		
		8" CT	110	Ø 330 x 2200	309 008 023		
		8" CT	130	Ø 330 x 2400	309 008 024		
		8" CT	150	Ø 330 x 2600	309 008 025		
	10" RW	110 - 130	Ø 380 x 1750	309 008 026	309 005 524 [Ø 330 mm x 385 mm]	309 005 646 (Set = 3 pcs.)	
	10" RW	150 - 185	Ø 380 x 2000	309 008 027			
	VSC 204	12" RW	220 - 250	Ø 380 x 2100			309 008 028
	VSC 264	12" RW	300 - 350	Ø 380 x 2300	309 008 029	309 005 525 [Ø 420 mm x 400 mm]	309 005 647 (Set = 3 pcs.)
	VSC 304	12" RW	220 - 300	Ø 420 x 2250	309 008 030		
		12" RW	350 - 100	Ø 420 x 2400	309 008 031		

* CT: encapsulated motors, RW: rewindable motors

** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request)

DIMENSIONS SUPPORT BRACKETS 10"



Support brackets model no.	Middle height	Support pump			Support flow sleeve / motor		
	Hm [mm]	B [mm]	Bm [mm]	Ø BF [mm]	B [mm]	Bm [mm]	Ø BF [mm]
309 005 644	250	380	430	15	450	500	15
309 005 645	250	380	430	15	450	500	15
309 005 646	270	390	440	15	500	550	15
309 005 647	300	400	450	15	550	600	15

ACCESSORIES SUBMERSIBLE MOTORS

Surge Arrestor

These surge arrestors or their equivalents are highly recommended for protecting submersible motors from a variety of commonly occurring high voltage spikes which can damage the motor insulation system and cause motor winding failure. These arrestors will not, as is true of any surge protection equipment, protect the motor from a direct lightning strike.

Part-Nb.: 155 440 902



DC Disconnect

To disconnect the drive even under load safely from the solar generator, Franklin Electric offers suitable DC disconnect switches for all different power ratings.

0 - 13A/800V DC - 308 170 313
 12 - 22A/800V DC - 308 170 325
 25A/800V DC - 308 170 325



Pressure Switch SubDrive Constant- pressure Controller

The pressure switch signals continuously prevailing in the water supply system pressure to the SubDrive controller. The factory setting of the desired pressure is 3,4 bar; can be changed.

Mod.Nr.: 223 995 901



Pressure Switch SubDrive Connect

The pressure switch signals continuously prevailing in the water supply system pressure to the SubDrive controller.

Mod.Nr.: 226 905 906

