

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)



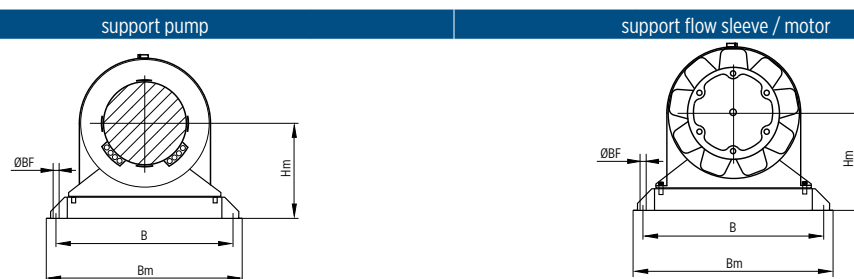
COOLING SLEEVE FOR 4" SUBMERSIBLE MOTOR PUMPS

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.)
			3- / bis 1.5	Ø 115 x 500	309 005 102		
			1- / 1.1 - 1.5	Ø 115 x 800	309 005 103		
			3- / 2.2 - 3.0	Ø 115 x 1000	309 005 104		
			1- / 2.2	Ø 115 x 625	309 005 105		
	VS 15	4" CT	3- / 2.2 - 3.0	Ø 145 x 800	309 005 106	309 005 261 [Ø 145 mm x 158 mm]	309 005 603 (Set = 2 pcs.)
3- / 3.7 - 5.5			Ø 145 x 1000	309 005 107			
3- / 7.5							

* CT: encapsulated motors

** 316SS version: "N" added to model no.

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

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 PM	3- / 2,2 - 4,0	Ø 160 x 500	309 005 325	309 005 361 [Ø 160 mm x 158 mm]	309 005 611 (Set = 2 Stk.)
		4" CT	3- / 2,2	Ø 160 x 625	309 005 301		
		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 Stk.)
		6" CT	5,5 - 11	Ø 180 x 800	309 005 305		
		6" RW	4 - 9,3	Ø 180 x 800			
		6" CT	15 - 22	Ø 180 x 1000	309 005 307		
		6" RW	11 - 18,5	Ø 180 x 1000			
		6" CT	30	Ø 180 x 1250	309 005 309		
		6" RW	22 - 30	Ø 180 x 1250			
		6" CT	37	Ø 180 x 1700	309 005 313		
		6" RW	37	Ø 180 x 1700			
6" CT	45	Ø 180 x 1700					
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 Stk.)
		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 Stk.)
		6" RW	4 - 7,5	Ø 200 x 800			
		6" CT	15 - 22	Ø 200 x 1000	309 005 318		
		6" RW	9,3 - 18,5	Ø 200 x 1000			
		6" CT	30	Ø 200 x 1250	309 005 320		
		6" RW	22 - 26	Ø 200 x 1250			
		6" CT	37 - 45	Ø 200 x 1700	309 005 322		
		6" RW	30 - 37	Ø 200 x 1700			
		8" CT	55	Ø 254 x 1500	309 005 324		
8" RW	45 - 55						

* CT: encapsulated motors, RW: rewindable motors

** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request only for RW Motors up to 10")

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

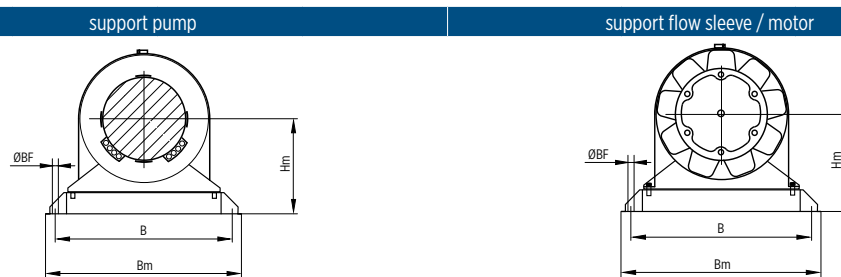
COOLING SLEEVE FOR 8" SUBMERSIBLE MOTOR PUMPS

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 Stk.)	
	6" RW	7,5 - 15	Ø 225 x 1000				
	6" CT	22 - 30	Ø 225 x 1250	309 005 503			
	6" RW	18,5 - 26	Ø 225 x 1250				
	6" CT	37	Ø 225 x 1700	309 005 505			309 005 632 (Set = 3 Stk.)
	6" RW	30 - 37	Ø 225 x 1700				
	8" CT	45	Ø 254 x 1250	309 005 507	309 005 633 (Set = 2 Stk.)		
	8" RW	30 - 37	Ø 254 x 1250				
	8" CT	55	Ø 254 x 1500	309 005 509	309 005 481 [Ø 256 mm x 325 mm]	309 005 634 (Set = 3 Stk.)	
	8" RW	45 - 55					
	8" CT	75	Ø 254 x 1700	309 005 510			
	8" RW	60 - 83					
	8" CT	93	Ø 254 x 2000	309 005 511			
	8" RW	93					
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 Stk.)	
	6" RW	9,3 - 13	Ø 254 x 1000				
	6" CT	22 - 30	Ø 254 x 1250	309 005 514			
	6" RW	18,5 - 26	Ø 254 x 1250				
	6" CT	37	Ø 254 x 1700	309 005 516			309 005 634 (Set = 3 Stk.)
	6" RW	30 - 37	Ø 254 x 1700				
	8" CT	45	Ø 285 x 1250	309 005 518	309 005 637 (Set = 2 Stk.)		
	8" RW	30 - 37	Ø 285 x 1250				
	8" CT	55	Ø 285 x 1500	309 005 520	309 005 526 [Ø 285 mm x 325 mm]	309 005 638 (Set = 3 Stk.)	
	8" RW	45 - 55					
	8" CT	75	Ø 285 x 1700	309 005 521			
	8" RW	60 - 83					
	8" CT	93	Ø 285 x 2000	309 005 522			
	8" RW	93					

* CT: encapsulated motors, RW: rewindable motors

** 316SS version: "N" added to model no.; 904L version: "R" added to model no. (available on request only for RW Motors up to 10")

DIMENSIONS SUPPORT BRACKETS 8"



Support brackets model no.	Middle height Hm [mm]	Support pump			Support flow sleeve / motor		
		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 VSI 8"/10"/12" SUBMERSIBLE MOTOR PUMPS

COOLING SLEEVE FOR VSI PUMPS 8"/10"/12" + 6 SSI PUMPS WITH SUBMERSIBLE MOTOR

For other combinations and special designs, please contact Franklin Electric or use the FEE pump selector:

<https://fele-selector.com/StartMain.aspx>

