

**Type Code Pumps,
Options and Materials**

BN 35 – 6L /

BN 35 – 6L

C1 – C6 – F0

A1 – C1 – C6 – F0 – GA

seepex Type Code

Range
selection
see
information P

Size – Pressure Stage
selection according to
performance data
see information PER

Material selection

The pump materials are selected by considering the operating conditions. The chosen options for the items of the type code determine the materials for casing parts (07), power transmission parts (13/23), rotor (15), stator (18) and as well the design of the shaft sealing (19). See **Options and Materials of the basic pump design** on page 6.

Position

The various positions of the type code determine the most important components and design options of **seepex** pumps. A complete list of all items and of the available options is included in the **Options and Materials** from page 7.

Selection Code

A basic selection (e.g. A1-C1-C6-F0-GA) can also be identified by the selection code (11) listed in the last column of the tables below.

Options

If necessary, additional options can be selected from the **Options and Materials** table. In this case an X is added to the type code of the basic design. See example for purchase order on page 12.

Product Group N

		Positions																			
		07								13/23		15		18		19					
Range	Size	Pressure stage								Casing parts		Power transmission parts	Rotor	Stator	Shaft sealing	Selection code					
		6L	6LT	12	12T	12V	18	24	24R								48				
BN NS	025				■					■		A1	–	A7	–	C6	–	F0	–	A	10
	05				■							A1	–	A7	–	C6	–	F0	–	GA	11
	1		■									A1	–	A7	–	A7	–	F0	–	A	40
												A1	–	A7	–	A7	–	F0	–	GA	41
												A6	–	A7	–	A7	–	F0	–	A	60
												A6	–	A7	–	A7	–	F0	–	GA	61
	01											A1	–	C1	–	C6	–	F0	–	A	10
	05											A1	–	C1	–	C6	–	F0	–	GA	11
	1											A1	–	C1	–	A5	–	F0	–	A	20
	2		■			■		■				A1	–	C1	–	A5	–	F0	–	GA	21
	5		■			■		■				A1	–	A5	–	A5	–	F0	–	A	30
	8						■					A1	–	A5	–	A5	–	F0	–	GA	31
	10		■			■		■				A1	–	A7	–	A7	–	F0	–	A	40
	14					■						A1	–	A7	–	A7	–	F0	–	GA	41
	15			■			■					A6	–	A5	–	A5	–	F0	–	A	50
	17		■			■		■				A6	–	A5	–	A5	–	F0	–	GA	51
	26		■			■						A6	–	A7	–	A7	–	F0	–	A	60
	30			■			■					A6	–	A7	–	A7	–	F0	–	GA	61
	35		■			■		■													
	40				■																
52		■			■																
55				■			■														
70		■			■			■		■	■	■	■	■	■	■	■	■	■	■	
75				■																	
100		■							■												
110			■			■															
130		■			■				■										■		
200		■				■															
202		■																			
300		■																			
N	35											A1	–	C1	–	L8	–	F0	–	A	10
	70											A1	–	C1	–	A5	–	F0	–	A	20
	130											A1	–	A5	–	A5	–	F0	–	A	30
												A1	–	A7	–	A7	–	F0	–	A	40
												A6	–	A5	–	A5	–	F0	–	A	50
												A6	–	A7	–	A7	–	F0	–	A	60

At 3-, 4- and 8 stage pumps as well as Tricam design the rotor material changes from C6 to L8 special hard chrome coated.

Product Group N

		Positions		13/23		15		18		19			
						Power transmission parts						Selection code	
Range	Size	Pressure stage 3LA 3TN 3TR 6C		Casing parts				Rotor		Stator		Shaft sealing	
BN NS	240			A1	–	C1	–	L8	–	F0	–	A	10
	300			A1	–	C1	–	A5	–	F0	–	A	20
	400			A1	–	A5	–	A5	–	F0	–	A	30
	500			A1	–	A7	–	A7	–	F0	–	A	40
				A7	–	A5	–	A5	–	F0	–	A	50
				A7	–	A7	–	A7	–	F0	–	A	60
6LA 6TN 6TR 9C 9TR 12C 12TR													
N	240			A1	–	C1	–	L8	–	F0	–	GA	10
	300			A1	–	C1	–	A5	–	F0	–	GA	20
	400			A1	–	A5	–	A5	–	F0	–	GA	30
	500			A1	–	A7	–	A7	–	F0	–	GA	40
				A7	–	A5	–	A5	–	F0	–	GA	50
				A7	–	A7	–	A7	–	F0	–	GA	60
12TR 18L 18TU 27TH 24TV													
	240			A1	–	C1	–	L8	–	F0	–	A	10
	300			A1	–	C1	–	A5	–	F0	–	A	20
	400			A1	–	A7	–	A5	–	F0	–	A	30
				A1	–	A7	–	A7	–	F0	–	A	40
				A7	–	A7	–	A5	–	F0	–	A	50
				A7	–	A7	–	A7	–	F0	–	A	60

Product Group T

		Positions					07		13/23		15		18		19			
Range	Size	Pressure stage						Casing parts	Power transmission parts		Rotor		Stator		Shaft sealing		Selection code	
		6L	6LT	12	12T	18	24	48										
BTQ TQNS	05							■	A1	–	C1	–	C6	–	F0	–	A	10
	1							■	A1	–	A5	–	A5	–	F0	–	A	30
	2	■						■	A1	–	A7	–	A7	–	F0	–	A	40
	5	■						■										
	10	■						■										
	17	■																
	26							■										
	35	■																
	52	■																
	100	■																
	17							■	B2	–	C1	–	C6	–	F0	–	A	10
	35							■	B2	–	A5	–	A5	–	F0	–	A	30
	52							■	B2	–	A7	–	A7	–	F0	–	A	40
	70	■																
	100	■																
BT TNS	025							■	B2	–	B3	–	C6	–	F0	–	A	10
	05							■	B2	–	B3	–	A5	–	F0	–	A	20
	1	■						■	B2	–	A5	–	A5	–	F0	–	A	30
	2	■						■	B2	–	A7	–	A7	–	F0	–	A	40
	5	■						■	A5	–	A5	–	A5	–	F0	–	A	50
	10	■						■	A7	–	A7	–	A7	–	F0	–	A	60
	17	■						■										
	26							■										
	35	■						■										
	52	■						■										
	70	■						■										
	100	■						■										
	130	■						■										
	200	■																
	202	■																
300	■																	
TN	70							■	B2	–	B3	–	L8	–	F0	–	A	10
	240							■										
BTM TMNS	10							■	B2	–	A5	–	A5	–	F0	–	A	30
	17							■	A5	–	A5	–	A5	–	F0	–	A	50
	35	■						■	A7	–	A7	–	A7	–	F0	–	A	60
	70	■						■										
	130	■																

At 3-, 4- and 8 stage pumps as well as Tricam design the rotor material changes from C6 to L8 special hard chrome coated.

Product Group T

		Positions																
		07							13/23		15		18		19			
Range	Size	Pressure stage							Casing parts	Power transmission parts		Rotor		Stator		Shaft sealing		Selection code
		6L	6LT	12	12T	18	24	48										
BTE TENS	5			■					B2	–	B3	–	C6	–	F0	–	A	10
	10			■				■	B2	–	B3	–	A5	–	F0	–	A	20
	17			■				■	B2	–	A5	–	A5	–	F0	–	A	30
	35			■				■	B2	–	A7	–	A7	–	F0	–	A	40
	70			■			■	■	A5	–	A5	–	A5	–	F0	–	A	50
	100					■			A7	–	A7	–	A7	–	F0	–	A	60
BTES	10							■	B2	–	B3	–	C6	–	F0	–	A	10
	17				■			■	B2	–	B3	–	A5	–	F0	–	A	20
	35		■		■			■	B2	–	A5	–	A5	–	F0	–	A	30
	70		■		■		■	■	B2	–	A7	–	A7	–	F0	–	A	40
	100					■			A5	–	A5	–	A5	–	F0	–	A	50
	130		■		■				A7	–	A7	–	A7	–	F0	–	A	60
BTI TINS	2							■	B2	–	B3	–	C6	–	F0	–	A	10
	5				■			■	B2	–	B3	–	A5	–	F0	–	A	20
	10				■			■	B2	–	A5	–	A5	–	F0	–	A	30
	17				■			■	B2	–	A7	–	A7	–	F0	–	A	40
	35				■			■	A5	–	A5	–	A5	–	F0	–	A	50
	52				■				A7	–	A7	–	A7	–	F0	–	A	60
	70				■		■	■										
	100						■											
	130				■		■											
TIN	70							■	B2	–	B3	–	L8	–	F0	–	A	10
BTH	10				■			■	B2	–	B2	–	C6	–	F0	–	GAM	12
	17		■		■			■	B2	–	B2	–	A5	–	F0	–	GAM	22
	35		■		■			■	B2	–	B5	–	A5	–	F0	–	GAM	32
	70		■		■			■	B2	–	A7	–	A7	–	F0	–	GAM	42
	130		■		■				A5	–	A5	–	A5	–	F0	–	GAM	52
									A7	–	A7	–	A7	–	F0	–	GAM	62
BTHE	10				■			■	B2	–	B2	–	C6	–	F0	–	A	10
	17		■		■			■	B2	–	B2	–	A5	–	F0	–	A	20
	35		■		■			■	B2	–	B5	–	A5	–	F0	–	A	30
	70		■		■			■	B2	–	A7	–	A7	–	F0	–	A	40
	130		■		■				A5	–	A5	–	A5	–	F0	–	A	50
									A7	–	A7	–	A7	–	F0	–	A	60

At 3-, 4- and 8 stage pumps as well as Tricam design the rotor material changes from C6 to L8 special hard chrome coated.

Product Group D

		Positions							07		13/23		15		18		19			
Range	Size	Pressure stage							Casing parts		Power transmission parts		Rotor		Stator			Shaft sealing		Selection code
		6L	6LT	12	12T	18	24	48												
MD	0005							■	A6	–	A7	–	A7	–	F0	–	A		60	
	0015							■	A6	–	A7	–	A7	–	F0	–	GA		61	
	003				■			■	B4	–	A7	–	A7	–	F0	–	A		70	
	006				■			■	B4	–	A7	–	A7	–	F0	–	GA		71	
	012				■			■	A6	–	PC	–	PC	–	F0	–	GA		81	
	025	■				■			B4	–	PC	–	PC	–	F0	–	GA		91	
	05		■																	
MDT	006				■			■	B2	–	A7	–	A7	–	F0	–	A		40	
	012				■			■	B2	–	A7	–	A7	–	F0	–	GA		41	
	025	■				■			A7	–	A7	–	A7	–	F0	–	A		60	
	05		■						A7	–	A7	–	A7	–	F0	–	GA		61	
MDF	0015							■	A7	–	A7	–	A7	–	F0	–	GA		61	
	003				■			■												
	006				■			■												
	012				■			■												
	025	■				■														
	05		■																	
MDC	0015							■	A7	–	A7	–	A7	–	Q1	–	G60		64	
	003				■			■	A7	–	A7	–	A7	–	Q1	–	G61		65	
	006				■			■												
	012				■			■												
	025	■				■														
	05		■																	
MDTC	006				■			■	A7	–	A7	–	A7	–	Q1	–	G61		65	
	012				■			■												
	025	■				■														
	05		■																	

Range **MDP** see type code of range **MDP**

Product Group CS

Launched January 1998

Launched January 1998								Positions		07		13/23		15		18		19			
Range	Size	Pressure stage							Casing parts		Power transmission parts		Rotor		Stator		Shaft sealing	Selection code			
		6L	6LT	12	12T	12V	24	48													
BCSO	025								J0	–	A7	–	A7	–	F1	–	G60	64			
	05								J0	–	A7	–	A7	–	F1	–	G61	65			
	1								J0	–	A7	–	A7	–	F1	–	G60M	67			
	2								J0	–	A7	–	A7	–	F1	–	G61M	68			
	5																				
	10																				
	17																				
	35																				
	52																				
BCSB	025								J0	–	A7	–	A7	–	F1	–	GA	61			
	05								J0	–	A7	–	A7	–	F1	–	GB	63			
	1								J0	–	A7	–	A7	–	F1	–	GAM	62			
	2								J0	–	A7	–	A7	–	F1	–	GBM	66			
	5																				
	10																				
	15																				
	17																				
	26																				
	30																				
	35																				
	52																				
	55																				
	75																				
BTCS	025								A7	–	A7	–	A7	–	F1	–	G61	65			
	05								A7	–	A7	–	A7	–	F1	–	G61M	67			
	1																				
	2																				
	5																				
	10																				
	17																				
	35																				
	52																				

Launched May 2003

Launched May 2003								Positions		07		13/23		15		18		19			
Range	Size	Pressure stage							Casing parts		Power transmission parts		Rotor		Stator		Shaft sealing	Selection code			
		6L	6LT	12	12T	12V	24	48													
BCSO	025							■	J0	–	A7	–	A7	–	F1	–	G66	69			
	05							■	J0	–	A7	–	A7	–	F1	–	G66M	70			
	1																				
	2							■													
	5							■													
	10							■													
	17							■													
	35							■													
	52							■													
	55																				
	70																				
	100																				
	110																				
	130																				
BCSB	17							■	J0	–	A7	–	A7	–	F1	–	GA	61			
	35							■	J0	–	A7	–	A7	–	F1	–	GAM	62			
	52							■	J0	–	A7	–	A7	–	F1	–	G66	69			
	55								J0	–	A7	–	A7	–	F1	–	G66M	70			
	70																				
	100																				
	110																				
	130																				
	200																				
BTCS	025							■	A7	–	A7	–	A7	–	F1	–	G66	69			
	05							■	J0	–	A7	–	A7	–	F1	–	G66M	70			
	1																				
	2							■													
	5							■													
	10							■													
	17							■													
	35							■													
	52							■													
	70																				

Product Group E

		Pressure stage						Positions		Power transmission parts		Rotor		Stator		Shaft sealing		Selection code		
Range	Size	6L	6LT	12	12T	18	24	48	Casing parts		07		13/23		15		18		19	
BE	025				■				B2	–	B2	–	B2	–	C6	–	F0	–	GAM	12
	05				■				B2	–	B2	–	B2	–	A7	–	F0	–	GAM	22
	1	■			■				B2	–	A7	–	A7	–	A7	–	F0	–	GAM	42
	2	■			■				A5	–	A7	–	A7	–	A7	–	F0	–	GAM	52
	5	■			■				A7	–	A7	–	A7	–	A7	–	F0	–	GAM	62
	10	■			■															
	14				■															
	15			■				■												
	17	■			■															
	26	■			■															
	30			■				■												
	35	■			■															
	40			■																
	52	■			■															
	55			■					■											
	70	■			■															
	75			■																
	100	■																		
	110			■				■												
	130	■			■															
	200	■							■											
	202	■																		
	300	■																		

At 3-, 4- and 8 stage pumps as well as Tricam design the rotor material changes from C6 to L8 special hard chrome coated.

Options and Materials of the basic design:

For further available materials and options refer to page 7 ff.

A1	EN-JL-1040 (grey cast iron 25)
A5	1.4301 / AISI 304
A6	1.4408 / AISI 316
A7	1.4571 / AISI 316 Ti
J0	1.4404
B2	1.0037 (St 37-2 mild steel)
B3	1.0570 (St 52-3 mild steel)
B4	PE - high density Polyethylene (RCH 1000)
C1	1.4021 / AISI 420
C6	1.2436 / AISI D6 tool steel
L8	1.0503 (C45 tool steel)
PC	PVDF
F0	NBR - Perbunan, Buna-N
F1	NBRh - Perbunan light, Buna-N light

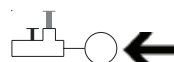
Q1	Sih - Silicone light
A	gland packing
GA	mechanical seal single acting, elastomer bellow, independent of direction of rotation, unbalanced
GB	single acting mech. seal, dependent on direction of rotation, unbalanced
GAM	mech. seal code GA with quench
GBM	mech. seal code GB with quench
G60	mech. seal design 60
G61	mech. seal design 61
G60M	mech. seal design 60 with quench
G61M	mech. seal design 61 with quench

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Installation Position	01	01H	horizontal	■	■		■	■
		01V	vertical, drive on top	■		■	■	

The diagram illustrates two configurations for the pump assembly:

- Option 02L:** The flow direction is indicated by an arrow pointing right above the pump. The drive rotation is indicated by a curved arrow pointing counter-clockwise next to the motor.
- Option 02R:** The flow direction is indicated by an arrow pointing left above the pump. The drive rotation is indicated by a curved arrow pointing clockwise next to the motor.

Connections viewed from the drive to the pump or facing to the drive shaft



Option 0310 Option 0330 Option 0312 Option 0322 Option 0332

Option 0320 Option 0340 Option 0313 Option 0323 Option 0333

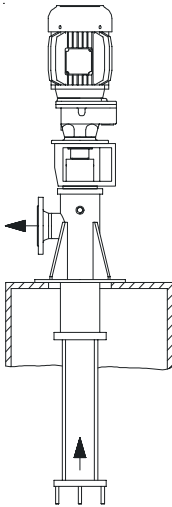
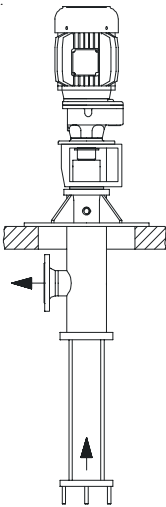
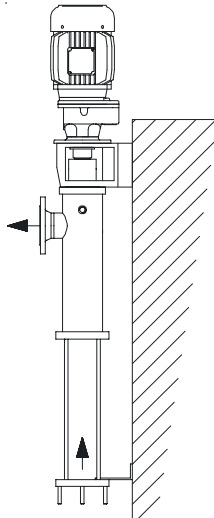
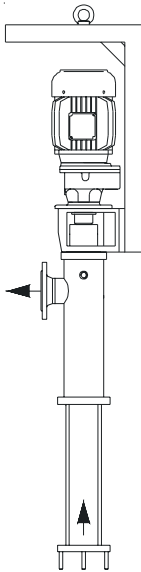
A liquid connection of the pump

C flushing connection (CIP)

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Lantern Drive casing	04 Options	04A1	lantern with cover plates	■	■	■	■	■
		04A2	lantern with cover plates for quench design or flushing / buffer connection	■	■	■	■	■
		04D	drive casing with double bearing seal	■	■			
	05 Material	05A1	EN-JL-1040 (GG25 grey cast iron)	■	■	■		
		05A2	EN-JL-1040 Rilsan (GG25 grey cast iron, Rilsan coated)	■	■	■		
		05A3	EN-JL-1040 rubber lined (GG25 grey cast iron, rubber lined)	■	■			
		05A1	EN-JL-1040 Halar (GG25 grey cast iron, Halar coated)	■				
		05A5	1.4301 / AISI 304	■	■		■	■
		05B2	1.0037 (St 37-2 mild steel)					■
		05B9	1.0037 Rilsan (St 37-2 mild steel, Rilsan coated)				■	

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seepex Options and Materials

Item / Execution	Position	Option	Description	Product Group											
Casing wetted parts	06 Options	06B	suction casing / feed hopper with clean out	■	■										
		06D	suction casing, pressure branch and stator area with jacket	■			■	■							
		06G	feed hopper with drain		■										
		06S	feed hopper with flushing connection		■										
		06T	feed hopper with hopper separation (at the extension tube)		■										
		06O	pressure casing, semi-submersible variant O				■								
		06U	pressure casing, semi-submersible variant U				■								
		06W	pressure casing, semi-submersible variant W				■								
		06K	pressure casing, semi-submersible variant K				■								
Option 06O				Option 06U				Option 06W				Option 06K			
															
Position	Option	Description	Product Group												
07 Material	07A1	EN-JL-1040 (GG25 grey cast iron)	■												
	07A2	EN-JL-1040 Rilsan (GG25 grey cast iron, Rilsan coated)	■												
	07A3	EN-JL-1040 rubber lined (GG25 grey cast iron, rubber lined)	■												
	07A1	EN-JL-1040 Halar (GG25 grey cast iron, Halar coated)	■												
	07B2	1.0037 (St 37-2 mild steel)		■	■										
	07B4	PE - high density Polyethylene (RCH 1000)					■								
	07B9	1.0037 Rilsan (St 37-2 mild steel, Rilsan coated)			■										
	07A6	1.4408 / AISI 316	■				■								
	07A5	1.4301 / AISI 304			■										
	07A7	1.4571 / AISI 316 Ti			■	■	■								
	07J0	1.4404					■								
	07A0	1.4301 / AISI 304 L (food grade)	■	■											
	07AL	1.4571 / AISI 316 L (food grade)	■	■											
	08 Connection option	0801	thread acc. to DIN EN ISO 228-1 (only size 0005-24 up to 1-6L)	■				■							
0802		thread acc. to NPT (only size 0005-24 up to 1-6L)	■				■								
0803		flange acc. to DIN EN 1092-2	■	■	■										
08E3		enlarged pressure branch / flange acc. to DIN EN 1092-2	■	■	■										
0804		flange acc. to ANSI B16,5	■	■	■										
08E4		enlarged pressure branch / flange acc. to ANSI B16,5	■	■	■										
0805		thread acc. to DIN 11851					■								
0808		quick release coupling acc. to Tri Clamp ISO 2852					■								
							■								

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Joint	09 Options	09O 09B 09M 09D 09K 09E	open joints closed joints sealed with universal joint sleeve universal joint protector on rotor side universal joint protector on both sides cardan joint (only range N) retaining sleeve for increased pressure load of the joints					
	10 Material	10N6 10A7 10NC 10PC	standard 1.4571 / AISI 316 Ti holding bands 2.4610 / Hastelloy C4 PVDF					
	11 Universal jointsleeve material	11F0 11F2 11F9 11G0 11H0 11H9 11R0 11R1 11Q0 11P5 11Z1	NBR - Perbunan, Buna-N NBRL - Perbunan light, Buna-N light HNBR - Therban CSM - Hypalon FPM - Viton TFE / P - Aflas EPDM - Ethylene-Propylene-Diene rubber EPDMh - Ethylene-Propylene-Diene rubber, light Si - Silicone PTFE - Polytetrafluor Ethylene without universal joint sleeve					
Coupling rod in contact with the liquid	12 Options	12F 12R 12S 12H	hydraulically balanced joint impeller auger feed screw / feed screw ribbon auger feed screw (only for ranges BTE and TENS)					
	13 Material	13C1 13C2 13A1 13B2 13B3 13A5 13A7 13C3 13C4	1.4021 / AISI 420 1.4021 / AISI 420 rubber lined 1.4021 / AISI 420 Halar coated 1.0037 (St 37-2 mild steel) 1.0570 (St 52-3 mild steel) 1.4301 / AISI 304 1.4571 / AISI 316 Ti 1.4462 / Duplex stainless steel 2.4610 / Hastelloy C4					
Rotor	14 Options	14C 14D 14E 14K	undercut -0.3 mm undercut -0.4 mm undercut -0.5 mm undercut -0.9 mm					
	15 Material	15C6 15A5 15A7 15C3 15C4 15L8 15T4	1.2436 / AISI D6 hardened tool steel 1.4301 / AISI 304 1.4571 / AISI 316 Ti 1.4462 / Duplex stainless steel 2.4610 / Hastelloy C4 1.0503 (C 45) only in combination with special hardchrome (Duktil) coating 3.7035 / Titanium					
	16 Coating	163	special hardchrome (Duktil) coating					

■ standard
 ■ available
 as option

seepex Options and Materials

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Stator	17 Options	17T	TSE, dry running prot. device, sensor sleeve 1.4571 / AISI 316 Ti	■			■	
		17T1	TSE, dry running prot. device, sensor sleeve 2.4610 / Hast. C4	■	■			■
		17S	readjustable stator tension	■	■		■	
		17K	encapsulated			■		
		17A	cover 1.4301 / AISI 304				■	
		17V	stator even wall	■	■	■	■	
	18 Material	18F0	NBR - Perbunan, Buna-N	■	■	■	■	■
		18F1	NBRh - Perbunan light, Buna-N light	■	■	■	■	■
		18F2	NBRl	■	■	■	■	■
		18F9	HNBR - Therban	■	■	■	■	■
		18FC	HNBR food grade black	■	■	■	■	■
		18FL	NBR food grade black	■	■	■	■	■
		18G0	CSM - Hypalon	■	■	■	■	■
		18G1	CSMh - Hypalon light	■	■	■	■	■
		18H0	FPM - Viton	■	■	■	■	■
		18H9	TFE / P - Aflas	■	■	■	■	■
		18R0	EPDM - Ethylene-Propylene-Diene rubber	■	■	■	■	■
		18R1	EPDMh - Ethylene-Propylene-Diene rubber, light	■	■	■	■	■
		18R9	EPDM food grade	■	■	■	■	■
		18Q1	Sih - Silicone light	■	■	■	■	■
		18P1	PTFE - Polytetrafluor Ethylene (glass fibre reinforced)	■				■

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Shaft sealing	19 Options (see information SEA)	19A	packing standard design	■	■			■
		19C	packing with internal lantern ring	■	■			
		19V	packing with internal lantern ring and labyrinth seal	■	■			
		19E	packing with external lantern ring	■	■			
		19F	packing with external lantern ring, 2 connections	■	■			
		19S	packing with external grease lantern ring and lubrication nipple	■	■			
		19S1	packing with external grease lantern ring and automatic cartridge lubricator	■	■			
		19S	19C without lantern ring, with blind plug	■	■			
		19GA	single mechanical seal, elastomer bellow independent of direction of rotation, unbalanced	■	■	■	■	■
		19GB	single mechanical seal, conical spring dependent on direction of rotation, unbalanced	■	■	■	■	■
		19GC	single mechanical seal, metal bellow independent of direction of rotation, balanced	■	■	■		
		19GD	single mechanical seal, wave-/ multiple spring independent of direction of rotation, stationary seat stop, unbalanced	■	■	■		
		19HA	single mechanical seal, external independent of direction of rotation, balanced	■				■
		19GAM	option 19GA with quench	■	■	■	■	■
		19GBM	option 19GB with quench	■	■	■	■	■
		19GCM	option 19GC with quench	■	■	■		
		19GDM	option 19GD with quench	■	■	■		
		19KD	double mech. seal, wave-/ multiple spring independent of direction of rotation, stationary seat stop, unbalanced	■	■			
		19LA	mechanical seal back to back design, elastomer bellow independent of direction of rotation, unbalanced	■	■			■
		19G60	mechanical seal, design 60				■	■
		19G61	mechanical seal, design 61				■	■
		19G60M	mechanical seal, design 60 with quench				■	
		19G61M	mechanical seal, design 61 with quench				■	
	20 Seal housing/stuffing box Material	20A1	EN-JL-1040 (GG25 grey cast iron)	■	■			
		20A2	EN-JL-1040 Rilsan (GG25 grey cast iron, Rilsan coated)	■	■			
		20A3	EN-JL-1040 rubber lined (GG25 grey cast iron, rubber lined)	■	■			
		20A1	EN-JL-1040 Halar (GG25 grey cast iron, Halar coated)	■				
		20A6	1.4408	■	■			
		20A7	1.4571	■	■	■	■	■
		20C3	1.4462	■				
		20C4	2.4610	■				
		20B4	PE - Polyethylen (RCH 1000)					■
		20PP	Ryton (PPS)					■

■ standard
■ available
as option

Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Shaft sealing	21 Material	21K1	packing K 41: RAMIE, PTFE + Silicone oil impregnated; pH 5-9; tmax 120°C / 250°F	■	■			
		21K4	packing 5846 light: RAMIE, PTFE + paraffin oil impregnated; free of Silicone oil; pH 2-12; tmax 120°C / 250°F	■	■			
		21K7	packing Kombilon: PTFE + graphite, paraffin oil impregnated; pH 0-14; tmax 280°C / 540°F	■	■			
		21K0	packing K 40: PTFE + graphite, Silicone oil impregnated; pH 1-14; tmax 280°C / 540°F	■	■			■
		21K5	packing K 91: Aramide + PTFE + graphite, Silicone oil impregnated; pH 2-13; tmax 280°C / 540°F	■	■			
		21D	mechanical seal acc. to separate specification	■	■	■	■	■
Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Plug-in shaft Drive shaft	22 Options	22D	special hardchrome (Duktil) coated	■	■			■
		22AV	splash ring Viton	■	■	■	■	■
		22DV	special hardchrome (Duktil) coated, splash ring Viton	■	■			
23 Material	23N0	23N0	1.0070 (St 70) / mild steel, special hardchrome (Duktil) coated (only range N)	■				
		23C1	1.4021 / AISI 420	■	■	■		
		23A7	1.4571 / AISI 316 Ti	■	■		■	■
		23C3	1.4462 / Duplex stainless steel	■				■
		23C4	2.4610 / Hastelloy C4					■
		23T4	3.7035 / Titanium	■				■
		Item / Execution	Position	Option	Description	Product Group		
				N	T	E	CS	D
Pump bolt connections	24 Material	21B1	all bolt connections of stainless steel	■	■	■	■	■
		24B4	screwed plugs of stainless steel	■	■	■		
Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Coating, Surface protection	25 Options	251	RAL 5013 (blue) RAL 1013 (pearl white)	■	■	■		■
		252	increased surface protection	■	■	■	■	■
		253	special coating / surface protection acc. to customer's specification	■	■	■	■	■
Item / Execution	Position	Option	Description	Product Group				
				N	T	E	CS	D
Long-term preservation	26 Options	26K1	long-term preservation	■	■	■	■	■

■ standard
■ available
as option

seepex Purchasing Text Examples

Basic design	BN	selected pump range
	35-6L	selected pump size and pressure range
	A1-C1-C6-F0-GA	selected basic-pump material
Options	0330	flange position 3
	09M	universal joint with rotor-sided protector
	163	special hardchrome (Duktil) coated rotor
	17T	stator with dry running protection device TSE /
	252	sensor sleeve 1.4571 / AISI 316 Ti
		increased surface protection
Order text	2 units	BN 35-6L / A1-C1-C6-F0-GA-X
		X = 0330, 09M, 163, 17T, 252
	information regarding	conveying product operating conditions performance data drive accessories

Note

In case options deviating from the basic design are selected for positions 07, 13/23, 15, 18, 19 the corresponding code must be updated accordingly.

for example

BN 35-6L/A1-C1-C6-F0-GA-X

will be changed when selecting a stator of CSM - Hypalon (18G0) as follows:

BN 35-6L/A1-C1-C6-G0-GA-X