KEWPUMP®

Keeps Pumping





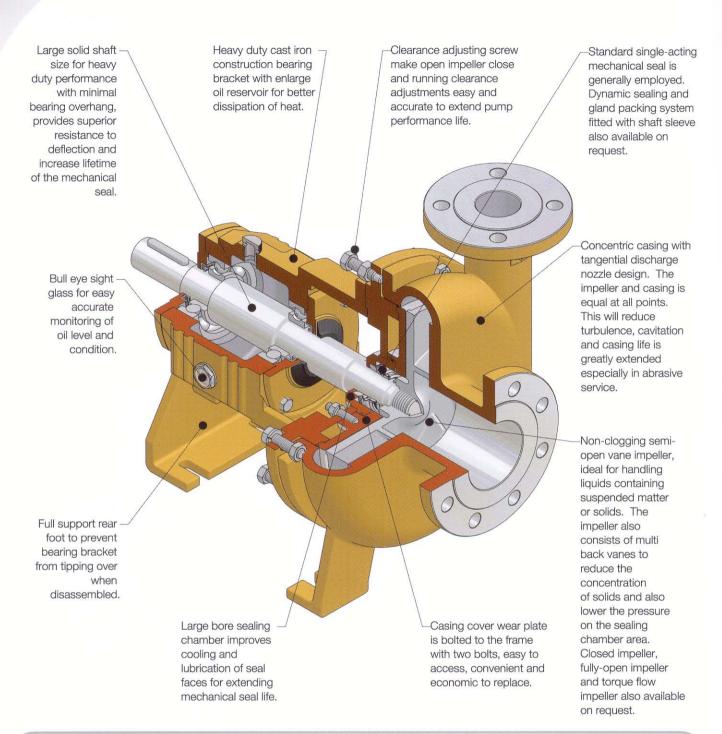






KS-SE3

BACK PULL-OUT END SUCTION
SOLID HANDLING PUMP



Dynamic Sealing

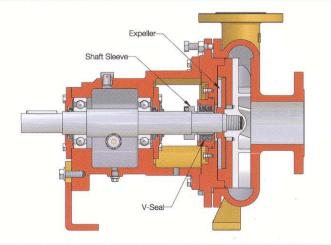
On some tough pumping services like paper stock and slurries, mechanical seals require outside flush and constant, costly attention. Even then, seal failures are common, resulting in downtime. KS-SE3 offers a Dynamic Seal which, simply by fitting a expeller between sealing chamber and impeller, eliminates the need for a mechanical seal.

Advantages

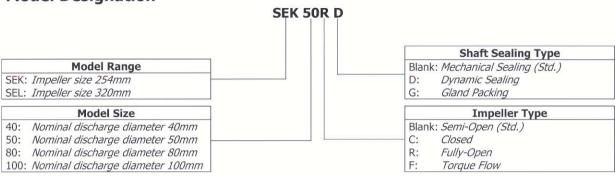
- External seal water not required
- Elimination of pump contamination and product dilution
- Reduces utility cost
- No need to treat seal water
- Eliminate problems associated with piping from a remote source
- Adjustable shaft sleeve design enables the shaft sleeve to be used up to five cycles longer thus saving significant maintenance cost and down time

Working Principle

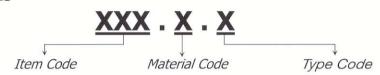
During start-up, expeller acts like an impeller, removing liquid and solids from the sealing chamber. When the pump is stationary, V-Seal or other type of secondary seal prevents pump from leaking.







Part No. Notations



Part No. with standard material and type are shown in the parts list.

Example Part No.: 120.1.S (Item = Impeller Material = SS304 Type = Semi-Open)

Item Code

For parts which have no variation in material and type, Part No. contains of Item Code only.

Example Part No.: 440 (Item = Deflector)

Material Code

For Item Codes 100, 120, 121, 130, 133, 210, 211, 213 and 221.D (for dynamic sealing) only:

1 = SS304

4 = Ni-Hard

7 = Galvanise Steel

10 = CA15

2 = SS3163 = CA40

5 = Cast Iron 6 = Ductile Iron 8 = Mild Steel 9 = CD4MCU

For Item Code 200 only:

A = CA/CE/VTB = CE/CE/VTC = CA/SC/VTD = SC/SC/VT

G = SC/CA/VTH = SC/SC/NBRI = TC/TC/EPDMJ = CA/STEEL/VT

E = TC/TC/VTF = TC/SC/VT N = STELLITE/CA/VT O = CE/CA/VT

CE = Ceramic SC = Silicon Carbide TC = Tungsten Carbide

CA = Carbon

STEEL = Steel STELLITE = Stellite

Available materials for the above items are depended on the product specifications.

For parts which have no variation in type, Part No. contains of Item Code and Material Code

Example Part No.: 213.5 (Item = Gland

Material = Cast Iron)

Type Code

For Item Code 120 only:

C = Closed

S = Semi-Open

R = Fully-Open

F = Torque Flow

VT = Viton

NBR = Nitrile

EPDM = EPDM

For Item Codes 133, 210, 211 and 221 only:

M = Mechanical Sealing

D = Dynamic Sealing

G = Gland Packing

For Item Code 210 only:

F = for models with torque flow impeller Blank = for models with other types of impeller

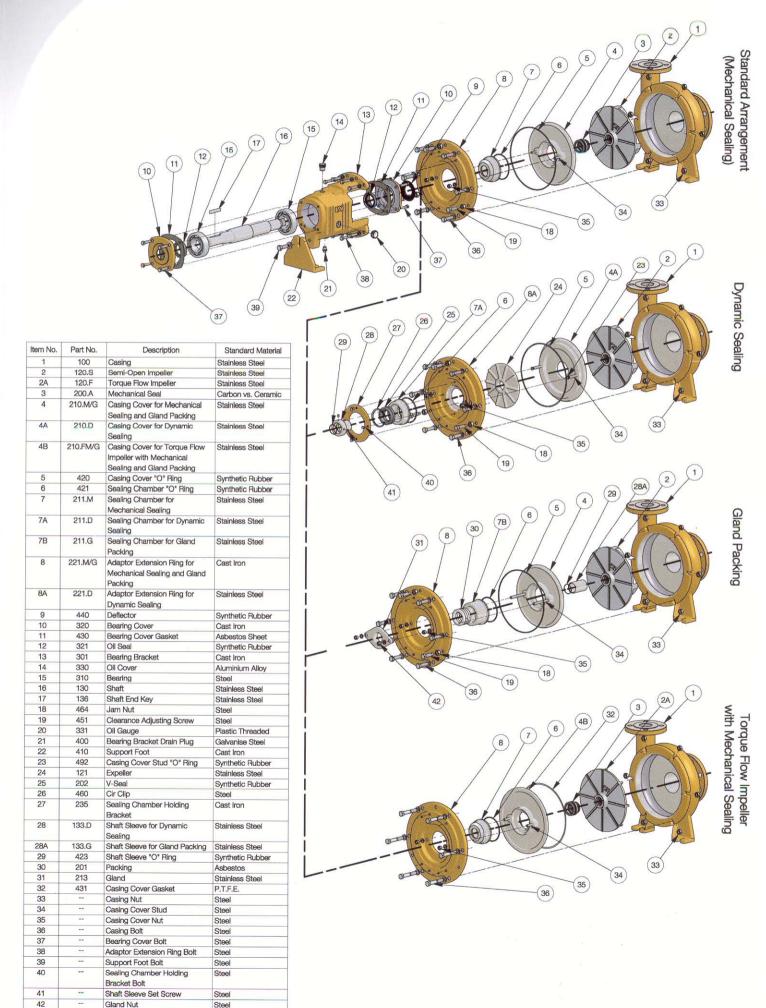
Available types for the above items are depended on the product specifications.

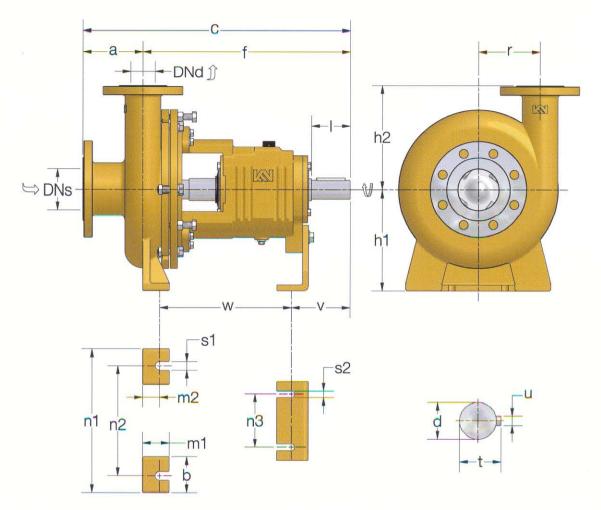
Example Part No.: 120.2.C (Item = Impeller

Material = SS316

Type = Closed)

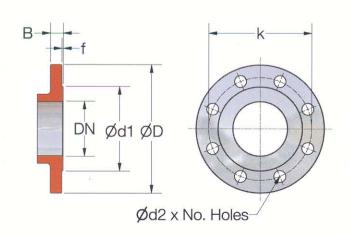
Kewpump (M) Sdn. Bhd. reserves the right to change the materials and types to keep pace with technological progress.





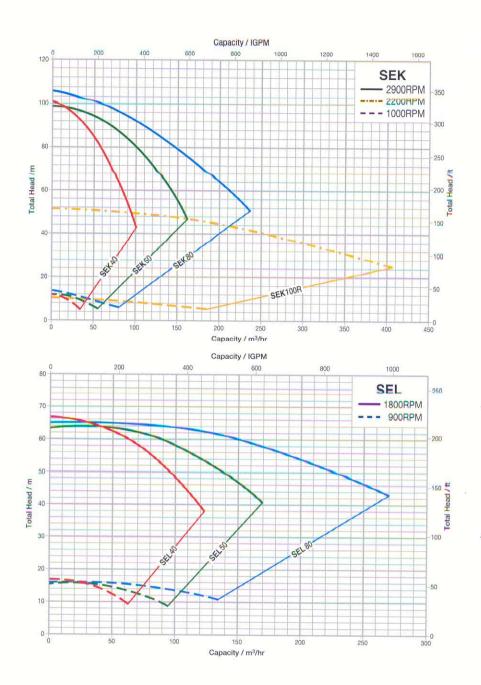
								D	imer	nsion	s in	mm								A		
PUMP	Flanges		Pump Dimensions						Foot Dimensions								Shaft End					
MODEL	DNd	DNs	а	f	С	h1	h2	r	b	m1	m2	n1	n2	n3	s1	s2	V	w	d	I	t	u
SEK 40	40	65	85	430	515		203	135														
SEK 50	50	80	115	430	545	210	215	123	75	55	35	300	245	110	18	14	130	265	38	80	42.8	9.5
SEK 80	80	100	115	440	555	210	242	12 130														
SEK 100R	100	125	125	445	570		262	148														
SEL 40	40	65	90	430	520		254	165														
SEL 50	50	80	120	435	555	250	256 163	75	55	35	380	310	0 185	5 18	14	140	255	38	80	42.8	9.5	
SEL 80	80	100	115	440	555		260	161					7 7								33.552.	-

Dimensions are based on semi-open / fully-open impeller
For closed impeller, dimensions f, c and w plus (+) another 6mm
For torque flow impeller, dimensions f, c and w plus (+) another 30mm



Dimensions in mm											
Nominal Dia.	Flai	nge	Raised	l Face	ı	Bolting					
DN	D	В	d1	f	No.	d2	k				
40	150	18	88	3	4	18	110	M16			
50	165	20	102	3	4	18	125	M16			
65	185	20	122	3	4	18	145	M16			
80	200	22	138	3	8	18	160	M16			
100	220	24	158	3	8	18	180	M16			
125	250	26	188	3	8	18	210	M16			

Flange dimensions and drilling according to ISO 2084 – PN16 * Holes equally spaced straddling pump centreline



All curves based on semi-open impeller, except SEK 100R (fully-open impeller). All curves based on full size impeller. Curves for reference only. For final selection refer to individual pump curve.

