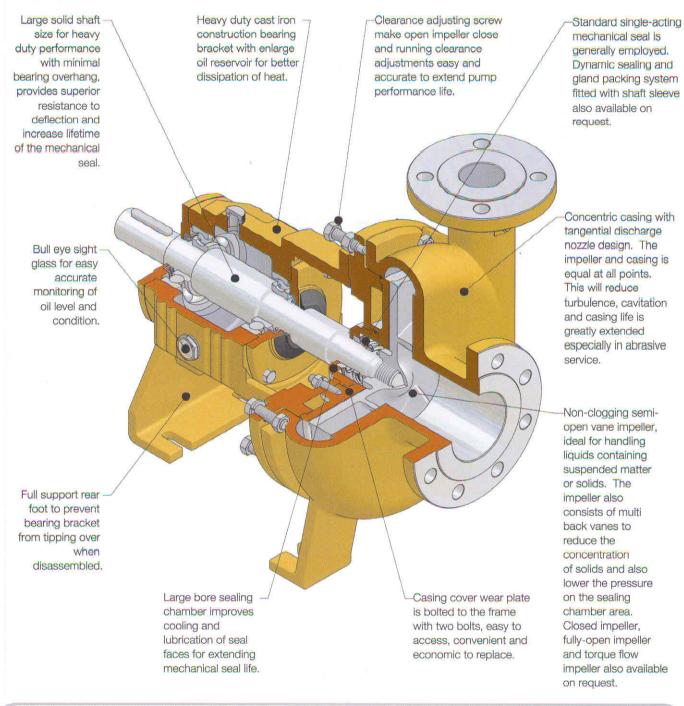
# KEWPUMP®





BACK PULL-OUT END SUCTION
SOLID HANDLING PUMP





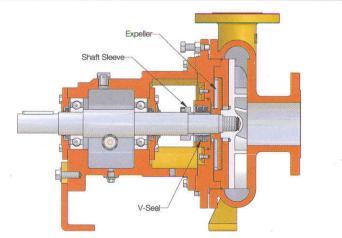
## **Dynamic Sealing**

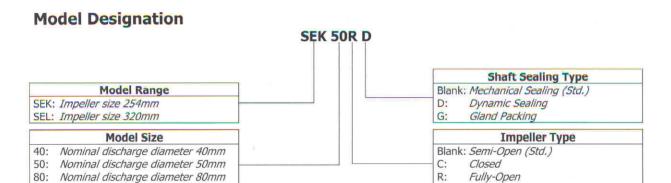
On some tough pumping services like paper stock and slurries, mechanical seals require outside flush and constant, costly attention. Even then, seal failures are common, resulting in downtime. KS-SE3 offers a Dynamic Seal which, simply by fitting a expeller between sealing chamber and impeller, eliminates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

100: Nominal discharge diameter 100mm



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

F:

Torque Flow

10 = CA15

VT = Viton

NBR = Nitrile

EPDM = EPDM

2 = SS316

5 = Cast Iron

8 = Mild Steel

3 = CA40

6 = Ductile Iron

9 = CD4MCU

For Item Code 200 only:

A = CA/CE/VTB = CE/CE/VTC = CA/SC/VT G = SC/CA/VTH = SC/SC/NBR

I = TC/TC/EPDM

D = SC/SC/VTE = TC/TC/VTF = TC/SC/VT

J = CA/STEEL/VT N = STELLITE/CA/VT

CE = Ceramic LEGEND SC = Silicon Carbide TC = Tungsten Carbide

CA = Carbon

STEEL = Steel STELLITE = Stellite

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

O = CE/CA/VT

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

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

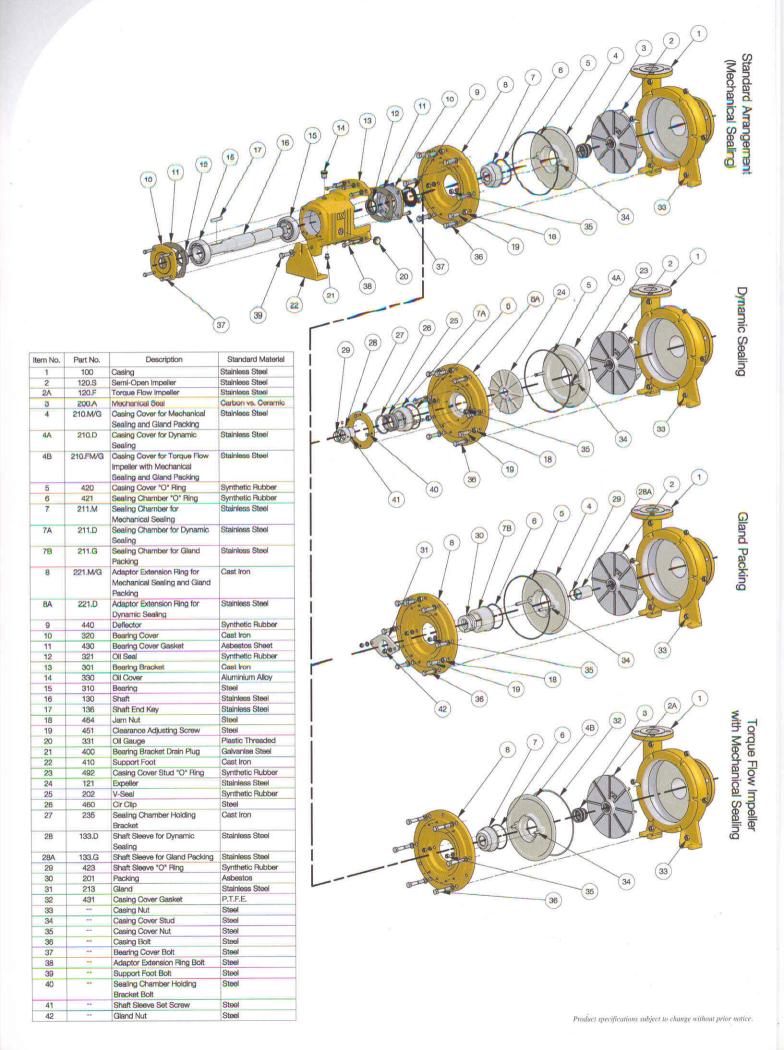
Blank = for models with other types of impeller

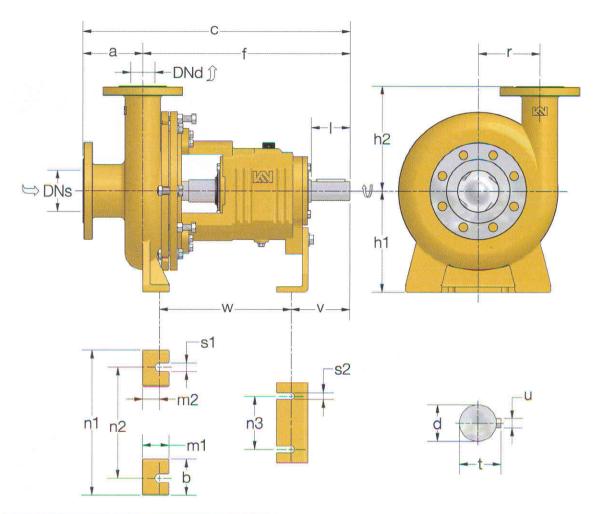
Available types for the above items are depended on the product specifications.

Example Part No. : 120.2.C (Item = Impeller Material = SS316

Type = Closed)

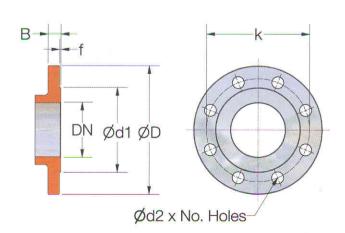
Kewpump (M) Sdn. Bhd. reserves the right to change the materials and types to keep pace with technological progress.





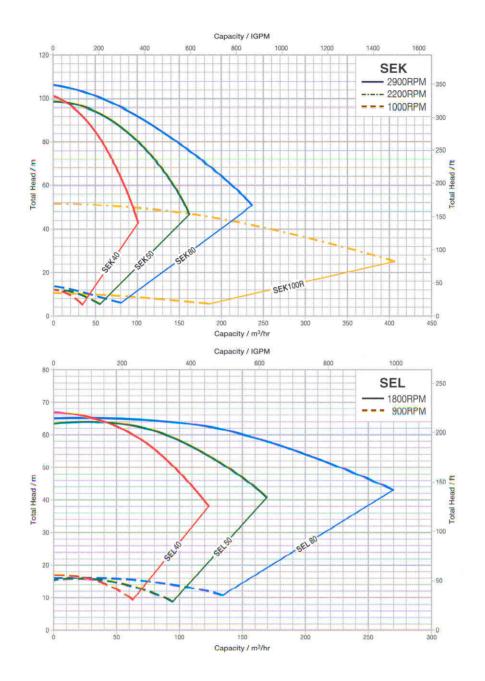
								D	imer	nsion	s in	mm										
PUMP	Flanges		Pump Dimensions					Foot Dimensions								Shaft End						
MODEL	DNd	DNs	a	f	С	h1	h2	r	b	m1	m2	n1	n2	n3	s1	52	V	w	d	- 1	t	u
SEK 40	40	65	85	430	515	203 135																
SEK 50	50	80	115	430	545		215	123	75	55	35	200	245	110	40	14	400	005	20	80	42.8	0.5
SEK 80	80	100	115	440	555	210	210 242 130	75	55	35	300	245	110	18	14	130	265	38	80	42.8	9.5	
SEK 100R	100	125	125	445	570		262	148														
SEL 40	40	65	90	430	520	254 165 250 256 163 260 161	254	165														
SEL 50	50	80	120	435	555		75 55	55	35	380	310	185	18	14	140	255	38	80	42.8	9.5		
SEL 80	80	100	115	440	555		260	161														

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. DN	Fla	nge	Raised	l Face		Bolting					
	D	В	d1	f	No.	d2	k	1			
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.

