

# CHEMFLOW

## PUMPS

### K196



#### Chemical Process Pumps Designed for Total Range of Industry Services

- Capacities to 3963 GPM (900m<sup>3</sup>/h)
- Heads to 529 feet (161m)
- Temperatures to 347° F (175° C)
- Pressures to 121 PSIG (838 kPa)
- ISO 5199 Standard

#### Ease of Maintenance

- Back Pull-out Design
- Maximum Interchangeability

#### Optimum Hydraulic Performance

- Close, Semi-Open, Special Impeller
- Full 50/60Hz Range
- 47 Sizes



**Close Impeller**  
For clean liquids or liquids contain minor impurities.



**Semi-Open Impeller**  
For liquids contain solid particles, abrasive medium or paperstock up to 8% consistency.

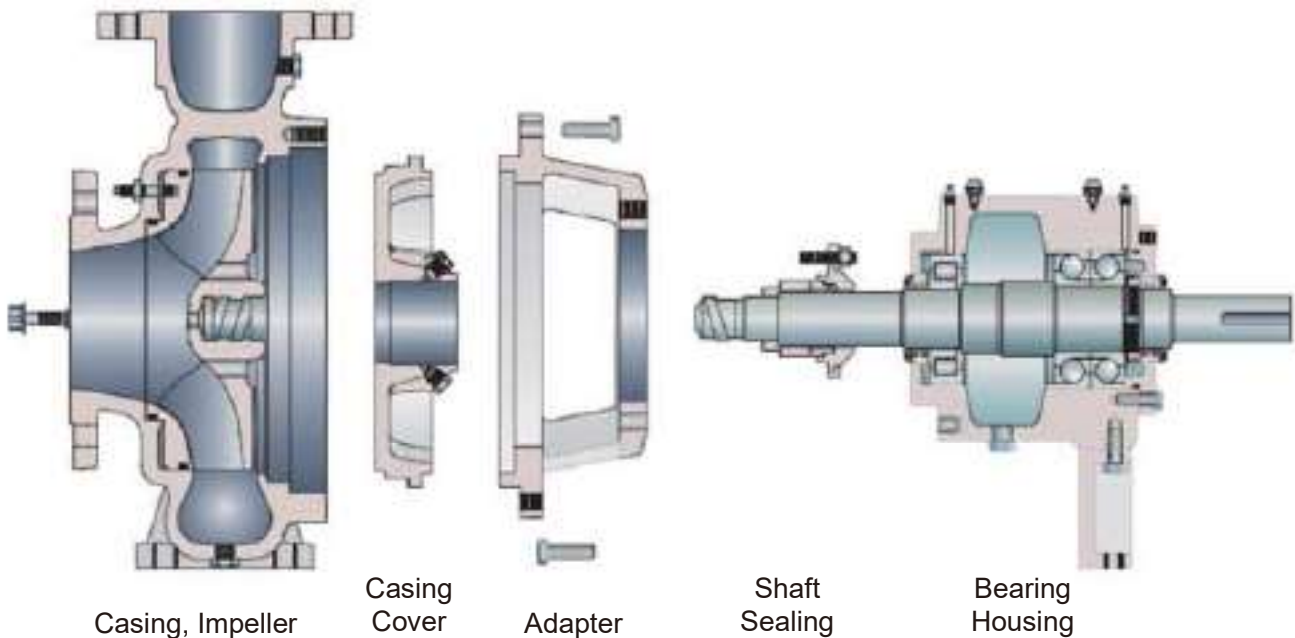


**Special Impeller**  
For liquids contain larger particles and long fibres, or paperstock up to 8% consistency.

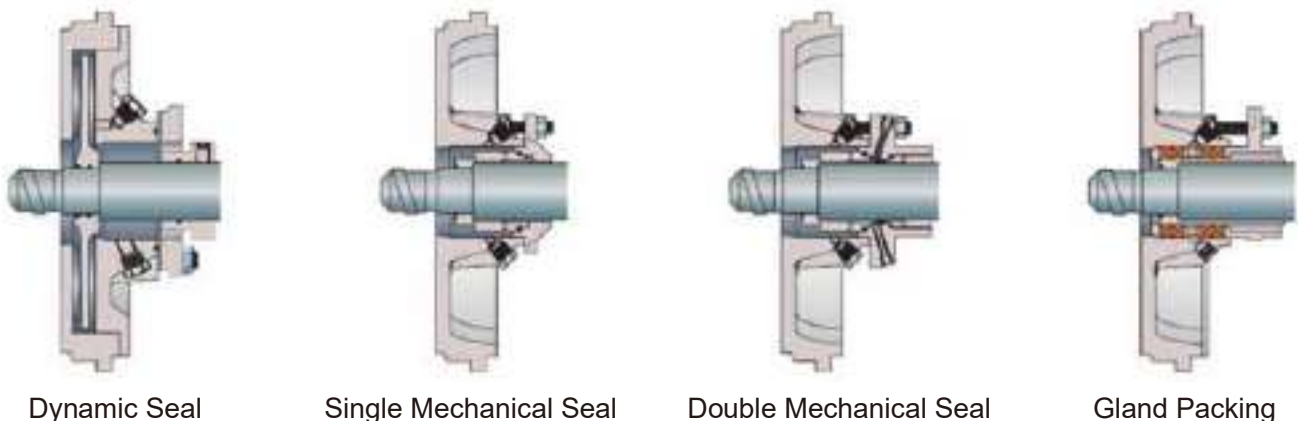
# K196 Process Pump

- **ISO5199 STANDARD** - Ensures dimensional interchangeability with pumps conforming to ISO5199
- **HEAVY DUTY BEARINGS** - Fitted as standard with heavy duty thrust ball bearings with lubricant from oil lubricated fitted with breather, oil level and drain plugs
- **ROBUST BEARING HOUSING** - High strength cast iron bearing housing.
- **WIDE RANGE OF SIZES** - To ensure minimum power consumption.
- **HYDRAULIC DESIGN FOR SOLIDS HANDLING** - Casing & Impeller are designed to pump paperstock like water, and ensure particles do not accumulate in the pump. Slurries are channel out effectively to ensure minimal internal wear.
- **SPECIAL DESIGN IMPELLER** - The back vane keeps the area between impeller and casing clean, and reduce axial load on the bearings. Balancing holes can help to balance the stabilize the pressure inside the seal chamber.

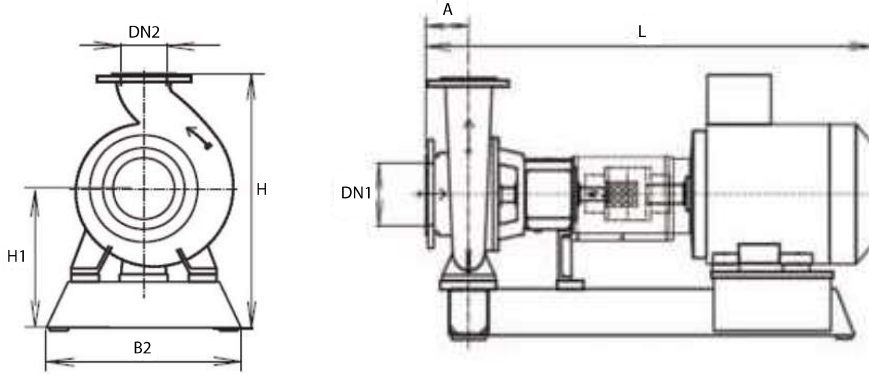
## Custom-made Hydraulic Components



## Multiple Options of Shaft Sealing



## Major Dimensions



Size	DN1	DN2	B2	H	L	A	H1	Weight (kg)
11-32	50	32	500	480	1240	80	300	125
11-40	65	40	500	480	1260	100	300	125
11-50	80	50	630	540	1330	100	340	160
21-65	100	65	630	640	1580	100	415	230
21-80	125	80	630	685	1600	125	415	240
22-32	50	32	630	620	1490	100	395	230
22-40	65	40	630	670	1710	100	415	250
22-50	80	50	630	640	1600	125	445	235
22-65	100	65	720	730	1820	125	480	275
22-80	125	80	720	760	1820	125	480	280
23-40	65	40	630	740	1700	125	480	280
23-50	80	50	720	800	2020	125	520	350
31-100	125	100	730	835	2290	140	555	420
31-125	150	125	730	910	2290	140	555	430
31-150	200	150	630	840	2290	160	555	340
32-65	100	65	730	835	2270	125	555	420
32-80	125	80	730	870	2270	125	555	410
32-100	125	100	730	915	2400	140	600	480
32-125	150	125	730	955	2400	140	600	500
33-100	125	100	720	820	1780	140	465	370
33-125	150	125	720	900	1860	140	500	400
41-200	250	200	730	980	2100	200	530	510
41-300	300	300	730	1175	2150	225	615	630
42-150	200	150	730	930	2100	160	530	460
42-200	250	200	730	980	2100	180	530	500
43-250	300	250	830	1175	2600	225	615	660
43-300	350	300	880	1365	2700	250	735	870
44-150	200	150	830	1005	2350	160	555	570
44-200	250	200	880	1175	2650	180	675	740
51-250	300	250	880	1295	2850	200	735	840
51-300	350	300	1160	1440	2900	250	770	1060
52-350	400	350	880	1645	2900	280	845	1190
52-400	400	400	1160	1770	2900	280	920	1420
53-100	200	100	880	1185	2700	180	685	740
53-150	250	150	880	1185	2800	180	685	780
53-200	250	200	1160	1330	2800	180	770	1000
53-250	300	250	1160	1400	2850	200	770	1060
53-300	350	300	1160	1590	3100	250	920	1110
54-400	500	400	1160	1850	3000	355	1000	1600
54-500	500	500	1160	2000	3000	355	1000	1780
55-100	200	100	1160	1330	2850	250	770	1130
55-200	300	200	1160	1415	2820	200	785	1250
55-250	300	250	1160	1495	2850	225	785	1330
55-300	400	300	1160	1645	2870	250	845	1410
61-500	500	500	1340	2100	3180	400	1100	2350
61-600	600	600	1340	2280	3180	420	1100	2600
62-400	500	400	1340	1960	3135	355	1010	2020

-Flange available in DIN/ANSI.  
 -Weight includes baseframe and motor.  
 -Dimensions in mm.