

Compact C Pump



A competitively priced progressing cavity pump, with a compact construction and maximum performance characteristics.

Typical Applications

- Domestic and industrial effluent
- Hydrated lime slurry
- Sludge
- Shear sensitive latex emulsion
- Milk curds, sauces, fruit juices
- Industrial chemicals and detergents
- Starch slurries
- Coating clays, gypsum and silicate
- Paper stocks
- Agricultural slurries

Capacity

- Up to 440 m³/h

Pressure

- Up to 24 bar

Temperature

- -10°C up to 100°C

Features and Benefits

Compact Unit

As the drive forms an integral part of the unit, the pump is ideal for space-saving installations.

Materials of Construction

Available in cast iron or stainless steel, with a choice of rotor and stator materials to suit individual applications e.g. hard chrome plated rotor or natural rubber stator.

High Pressure/Long Haul Pumping

Can offer considerable project cost savings by utilizing small borehole pipework and eliminating the need for series of pumps when pumping over long distances or with high head requirements.

Low Running Speeds

Reduced wear for a longer working pump life which extends the periods between routine maintenance. Think of the savings that could be realized on abrasive applications.

Up to 8.5 Meter Suction Lift

Deep sumps can be easily pumped without the use of submersible equipment.

Duracoat Coating

Rotors can be supplied with specialized coatings to help extend the life of the rotors through improve wear and corrosion resistance.

Viscous Products and Heavy Solids

The pump can be supplied with a square inlet and conveyor to assist viscous slurries into the pumping element.

Gentle Pumping Action

Minimizes shear and crush damage to the pumped product.

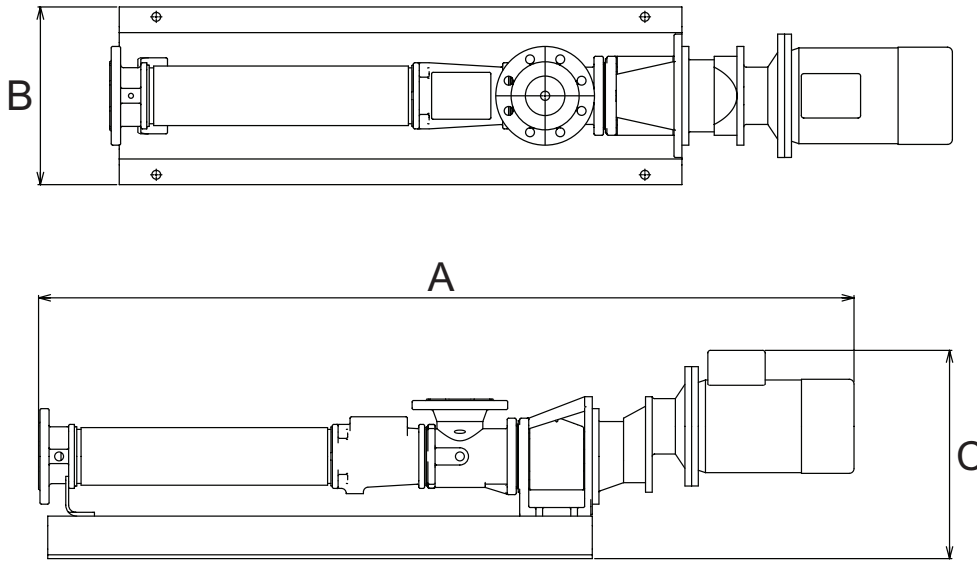
Inspection Cover

Available for applications where rag content is a problem.

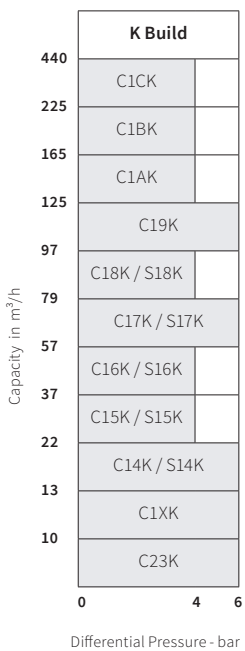
Robust Drives

Specially selected drives and gearboxes for longer life. Options include electric motor drive units supplied as overhead v-belt driven, direct-coupled, or variable speed drives with mechanical variable speed or frequency inverter.

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Performance



Capacity in m³/h	Single Stage	Two Stage	Four Stage
290	C1DA		
210	C1CA	C1CB	
140	C1BA	C1BB	
94	C1AA	C1AB	
71.5	C19A	C19B	
57.5	C18A / S18A	C18B	C18D
49.5	C17A / S17A	C17B	C17D
35.5	C16A / S16A	C16B	C16D
25.5	C15A / S15A	C15B	C15D
14.5	C14A / S14A	C14B	C14D
10.7	C2XA	C2XB	C1XD
6	C23A	C23B	C13D
3.4	C22A	C22B	C22D
1.5	C21B		C21D

Dimensions

Model	A	B	C
C1XK	1304	300	304
C14K	1665	300	475
C15K	1777	360	475
C16K	1947	360	488
C17K	2464	360	609
C18K	2640	420	609
C19K	2902	420	649
C1AK	3053	420	649
C1BK	3481	520	537
C1CK	4900	778	943
C13D	1835	360	475
C2XA	1120	300	304
C2XB	1329	300	304
C1XD	2038	420	488
C14A	1456	300	475
C14B	1665	300	475
C14D	2137	360	488
C15A	1517	300	475
C15B	1834	360	488
C15D	2762	420	609
C16A	1635	360	488
C16B	2341	420	609
C16D	3225	520	472
C17A	2066	360	584
C17B	2464	360	609
C17D	3672	520	727
C18A	2202	360	584
C18B	2788	420	649
C18D	3830	520	537
C19A	2440	420	649
C19B	2902	420	649

Model	A	B	C
C1AA	2522	420	649
C1AB	3205	520	727
C1BA	2840	520	727
C1BB	4350	752	892
C1CA	4025	752	892
C1CB	4900	778	943
C1DA	4350	752	892
C21B	984	300	304
C21D	1149	300	304
C22A	984	300	304
C22B	1149	300	304
C22D	1544	300	304
C23A	1084	300	304
C23B	1234	300	300
C23K	1234	300	304

Square Inlet Units			
Model	A	B	C
S14A	1456	300	475
S14K	1665	300	475
S15A	1517	300	475
S15K	1777	360	475
S16A	1635	360	488
S16K	1947	360	488
S17A	2066	360	584
S17K	2464	360	609
S18A	2202	360	584
S18K	2640	420	609

All dimensions are in meters and for guidance only. Flanges to ANSI B16.1, B16.5 and NPT pipe thread.

