

Chemical Process Pumps (Api 610 Stand.) Series : CXP T



Capacity	Upto 350 M3 / HR
Head	Upto 100 Mtr.
Delivery Size	Upto 25 MM to 100 MM
Working Pressure	16 to 30 KG / Cm ²
Speed	1450 / 2900 RPM
Temperature	- 50° C to + 350° C.

DESIGN FEATURES :

- Maximum interchangeability of spare parts which will reduce the space parts inventory to minimum.
- Stress on greater quality control and accuracy on production of each pump.
- Our back pullout design of pumps makes it easy for inspection and repairs of moving parts.

CONSTRUCTION :

Pump dimensionally conforming to EN 22858 (DIN 24256). The pump is foot mounted for given temp. range. Heat barrier is created by way of cooling the stuffing box region & sufficient space is kept between.

IMPELLER :

The impellers are of enclosed type & semi - open type impellers can also be supplied. Hydraulic balancing of impellers is achieved either by back vanes or balancing holes reliable fixing of the impellers on shaft is achieved by using helicoil insert under impeller nut to improve NPSH performance, inducer can be supplied.

CASING :

The casing has axial suction & top center line delivery. Smooth hydraulic pressure ensures high efficiency. Normal designs are for foot mounted pumps & center line mounted for special applications are also the pump casing has axial suction & top centerline delivery, radially split with self venting design. Smooth hydraulic passage ensures higher efficiency.

MATERIAL OF CONSTRUCTION :

	Standard Material of Construction	Special Material of Construction
Pump Casing / Casing Cover	C.I / SG Iron / Cast Steel / Alloy 20 / Ss304 / 31 / Bronze	High Chrome / Duplex Steel / NI D2B / Hast Alloy
Wearing / Wear Plate	Cast Iron / Bronze / Cast Steel / Stainless Steel / Chrome Steel / Duplex	
Pump Shaft	C - 40 / EN 8 / SS 410 / SS 304 / SS 316 / Duplex Steel / Bronze	

APPLICATION :

- Thermic Fluid Transfer.
- Synthetic Oil Transfer.
- Hot Oil (Upto 350° Cent.) Transfer.

BEARINGS :

The unique heat dissipation of the bearing housing ensures the reduced temperature at the seal faces & bearings. The bearings used are factory pre-launched deep groove ball bearing for life.

STUFFING BOX :

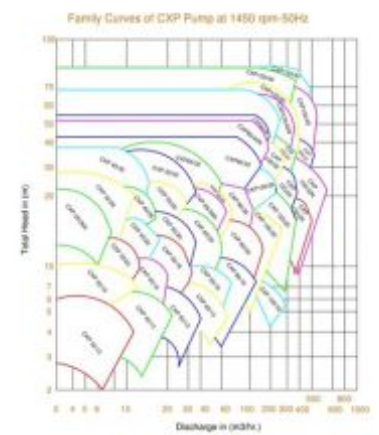
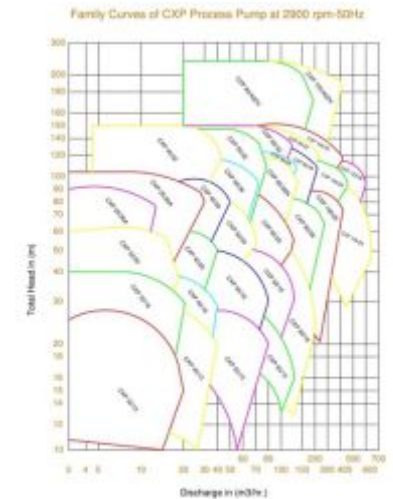
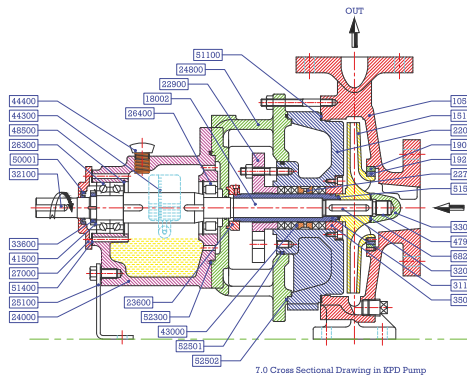
The stuffing box is sealed by graphoil packing & added operational reliability for safety with stuffing box throttle & cooling saction design a liquid temperature is high pump is designed optimum temperature reduction with long thermal barrier & large surface area. No additional cooling required.

PUMP SHAFT :

The impellers are of enclosed type or (semi open type) also available. Hydraulic balancing of impellers is achieved either by back vanes or by balance holes depending upon magnitude of axial thrust. The impellers are dynamically balanced. Reliable fixing of impeller on shaft is achieved by using helical insert under impeller nut

TECHNICAL SPECIFICATION :

Model	Suction mm	Delivery mm	Q m3/hr.	H Meter	HP	RPM
CXP 25/160	40	25	7	30	3	2900
CXP 25/200	40	25	7.5	50	5	2900
CXP 32/160	48	32	10	30	5	2900
CXP 32/200	50	32	14	52	7.5	2900
CXP 40/200	60	40	28	50	12.5	2900
CXP 50/200	75	50	60	50	15	2900
CXP 65/200	100	65	108	50	20	2900
CXP 80/200	125	80	180	48	30	2900
CXP 80/250	125	80	160	80	40	2900



CXPT - SERIES THERMIC FLUID PUMP PART LIST

Sr. No.	Part No.	Description	Sr. No.	Part No.	Description
10	10500	Pump Casing	120	26000	Deep Groov Ball Bearing (de & Nde)
20	15300	Impeller - Close	130	26300	Angular Contact Bearing (de)
30	18001	Pump Shaft Std Bearing Arrangement	140	27000	Bearing Cover (de)
40	19000	Casing Ring – Suction Side	150	27100	Bearing Cover (nde)
50	19100	Casing Ring - Delivery Side	160	31100	Shaft Sleeve – Gland Packed Type
60	19200	Impeller Ring – Suction Side	170	32000	Key For Impeller
70	19300	Impeller Ring – Delivery Side	180	32100	Key For Coupling
80	19900	Shoulder Ring	190	33000	Impeller Nut
90	22000	Casing Cover	200	35000	Stuffing Box Bush
100	24000	Bearing Housing	210	44300	Oil Level Indicator
110	24800	Lantern Bracket	220	25100	Support Foot

PROSERVE
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Manufacturer of Industrial Pumps & Spares

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On : Canal, CTM - Ramol Road, Ramol, Ahmedabad - 382449
☎ 98258 48669 / 7777 904218
✉ info@proservepumps.com, proserve.pumps@yahoo.in
🌐 www.proservepumps.com