



OTHER BRAND PUMP SPARE



NON METALLIC PUMPS SPARE

DURCO



ITT GOULDS



OTHER METALLIC PUMPS IMPELLER





THERMOSYPHON VESSEL

Series **CPTSO7** Thermosyphon Vessel is used for double mechanical seals in back-to-back or tandem arrangement. This is equipped with cooling coil to dissipate heat from the barrier medium. Higher capacity up to 20 ltr. can also be offered upon request.



Operating Range:
Capacity : 7.0 ltrs
Design Pressure : 35 bar
Hydraulic Test pressure : 53 bar
Working temp. (max) : 150° C
Heat Transfer area : 0.2 m²
Cooling water flow rate : 5 ltrs/min

PP PRIMING POT

Polypropylene priming pots are used when pumps are installed in negative suction conditions. This avoids the need of foot valve and frequent priming of pumps. The priming pot is connected to the pump suction, filled with liquid and sealed airtight before initial start up. This draws the liquid in the suction pipe resulting in priming.



Range:
Capacities Q : 25 to 150 ltr
Pressure P : up to 5 bar
Temperature t : PP up to 80°C





MECHANICAL SEALS



Series CPM 900/CG



Series CPM 935/CG



Series CN40 & CN45



Series CPS 150



Series CP73



Series C2U



Series C20M



Series C80U



Series C88B2



Series CPR100



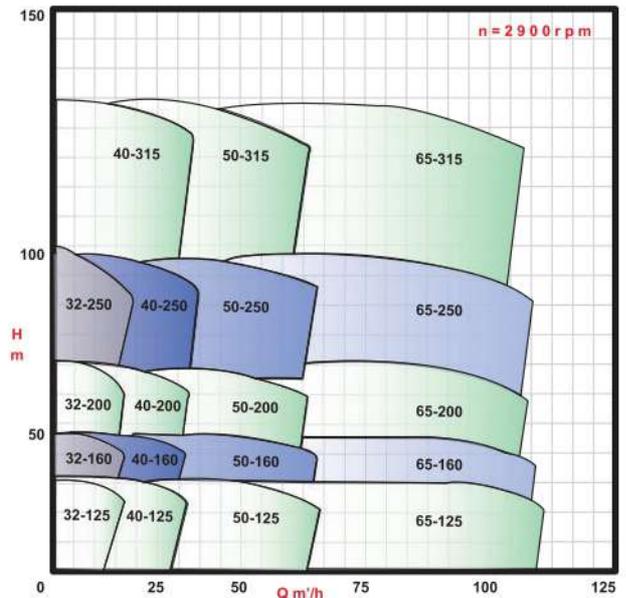
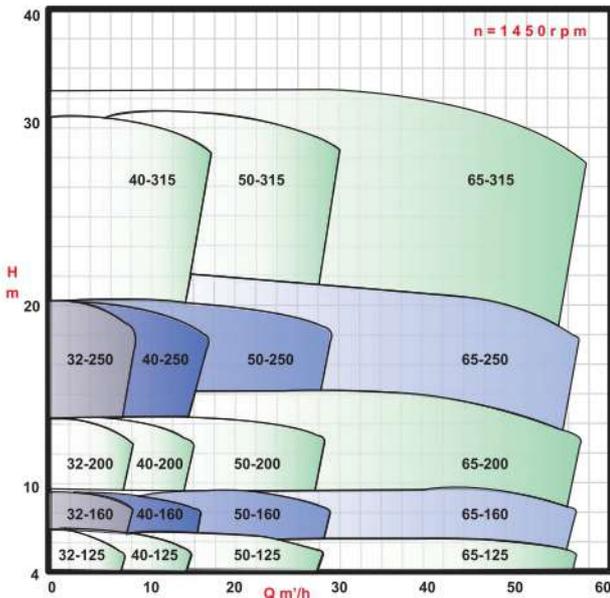
Series CPDF 201



Series CPTS07



FAMILY CURVES



DESIGN CONSTRUCTION DETAILS :-

Casing, stuffing box and impeller are offered in Various Material

- Polypropylene*
- UHMW
- Hdpe
- Glass-fibre Reinforced Polypropylene
- PTFE

* Offered as standard

IMPELLER :-

Solidly moulded, semi-open impeller with metal insert ensures high strength and durability. The impeller is dynamically balanced as per ISO 1940 to achieve minimum vibration and extended bearing life.

SHAFT :-

As a standard shaft is offered EN-8 Material. Different materials can be offered on request.

SHAFT SLEEVE :-

Sleeve is protecting the shaft from the attack of corrosive media and can be offered in various materials after confirming chemical compatibility.

- Ceramic (99.5% Alumina Oxide)*
- Silicon Carbide
- Monel
- Alloy-20 (CN7M)
- Hastelloy-B
- Hastelloy-C
- Titanium

* Offered as standard

MECHANICAL SEAL:-

As single externally mounted PTFE bellows Mechanical Seal with various face combination is offered after confirming chemical compatibility.

- GFT v/s CERAMIC *
- GFT v/s SILICON
- CARBON v/s CERAMIC
- CARBON v/s SILICON
- SILICON v/s SILICON

* Offered as standard

SEALING :-

'O' Ring and Gaskets Sealing are provided in the joints to ensure better sealing even at high pressure.

ACCESSORIES

PRIMING CHAMBER :-

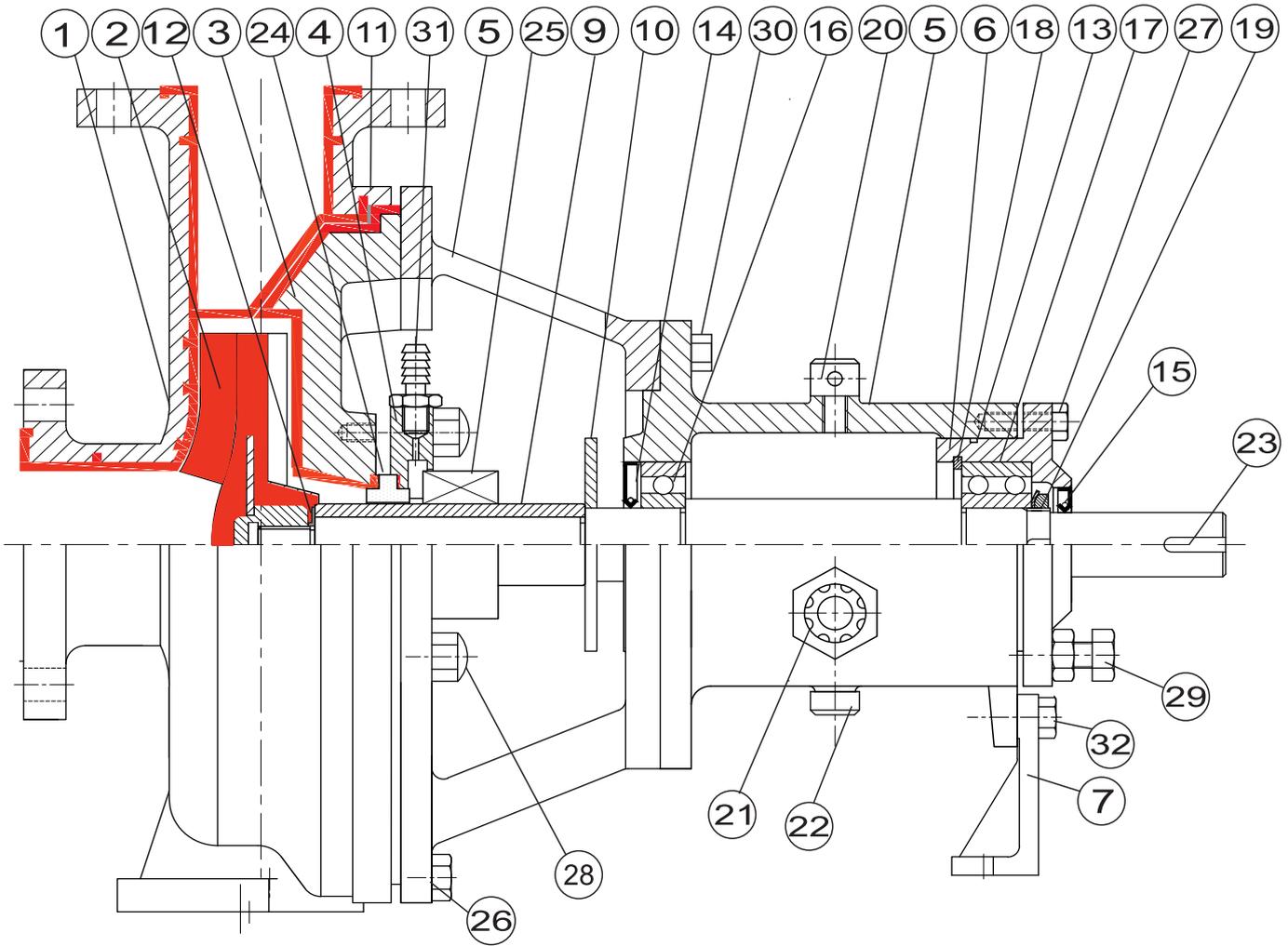
This is specially used for negative suction. It is effective in handling liquids with slurry or particles, as it does not get clogged as easily as the foot valve.

TROLLEY :-

A specially designed, vibration free trolley keeps the pump mobile, whenever required. Further the trolley can also be provided with FRV coating on the parts exposed to chemical drip.

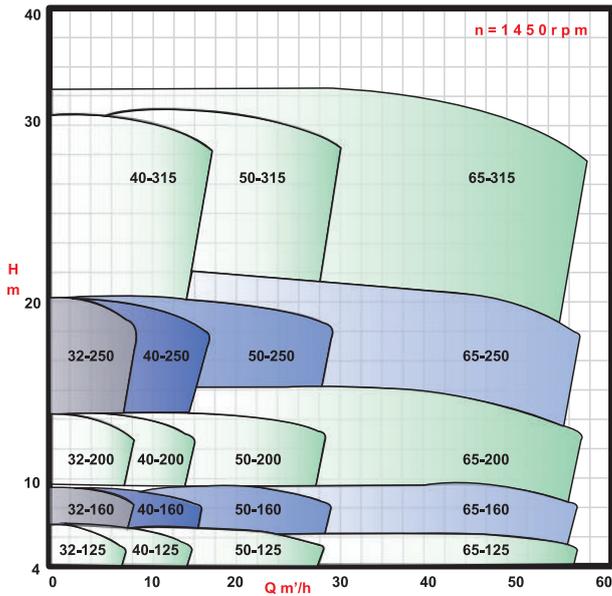
SERIES CPK

SERIES 'CPK' (PVDF, FEP, PFA) ARE TEFLON LINED PUMPS FOR HANDLING HIGHLY CORROSIVE FLUIDS INCLUDING HIGH TEMPERATURE SERVICES. HI-TECH LINING PROCESS IS EMPLOYED TO MANUFACTURE DEFECT FREE COMPONENTS. THESE PUMPS OFFER ECONOMIC ALTERNATIVE TO HIGHER ALLOY PUMPS LIKE HAST ALLOY-B, HAST ALLOY-C AND CERAMIC LINED PUMPS.



No.	Qty	Part Name	Material	No.	Qty	Part Name	Material	No.	Qty	Part Name	Material
1	1	CASING	FEP / PFA / PVDF	16	1	BEARING (IN-BOARD)	SKF . STD	31	2	NIPPLE	BRONZE
2	1	IMPELLER	FEP / PFA / PVDF	17	1	BEARING (OUT-BOARD)	SKF . STD	32	1	SUPPORT PLATE BOLT	SS 316
3	1	STUFFING BOX	FEP / PFA / PVDF	18	1	CIRCLIP	STEEL				
4	1	GLAND	HYLAM / SS 316	19	1	RING NUT & WASHER	MS				
5	1	BEARING FRAME	CAST IRON	20	1	BRETHER PLUG	MS				
6	1	BEARING CUP	CAST IRON	21	1	OIL INDICATOR	ALLIMINIUM				
7	1	SUPPORT PLATE	CAST IRON	22	1	DRAIN PLUG	MS				
8	1	SHAFT	SS 316	23	1	KEY	MS				
9	1	SLEEVE	CERAMIC	24	1	STATIONARY	CERAMIC				
10	1	DEFLECTOR	POLY PROPELYNE	25	1	MECH - SEAL	STD				
11	1	CASING GASKET	PTFE	26	8	CASING BOLT	SS 316				
12	1	IMPELLER GASKET	PTFE	27	4	BEARING CUP BOLT	SS 316				
13	1	BEARING CUP O-RING	VITON	28	4	STUFFING BOX BOLT	SS 316				
14	1	OIL SEAL (IN-BOARD)	NEOPRENE	29	2	JACKETING BOLT	SS 316				
15	1	OIL SEAL (OUT- BOARD)	NEOPRENE	30	4	ADAPTER BOLT	SS 316				

FAMILY CURVES



DESIGN CONSTRUCTION DETAILS :-

Casing, stuffing box and impeller are offered in Various Material

- PFA (Perfluoralkoxy)
- FEP (Fluoroethylene propylene)
- PVDF (Polyvinylidene fluoride)
- GFPP (Glass filled polypropylene)
- PTFE (Polytetrafluoroethylene)

* Offered as standard

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SHAFT :-

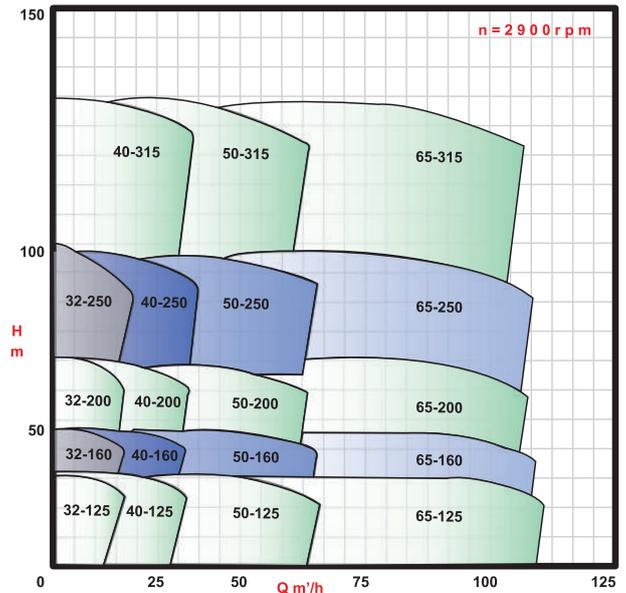
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