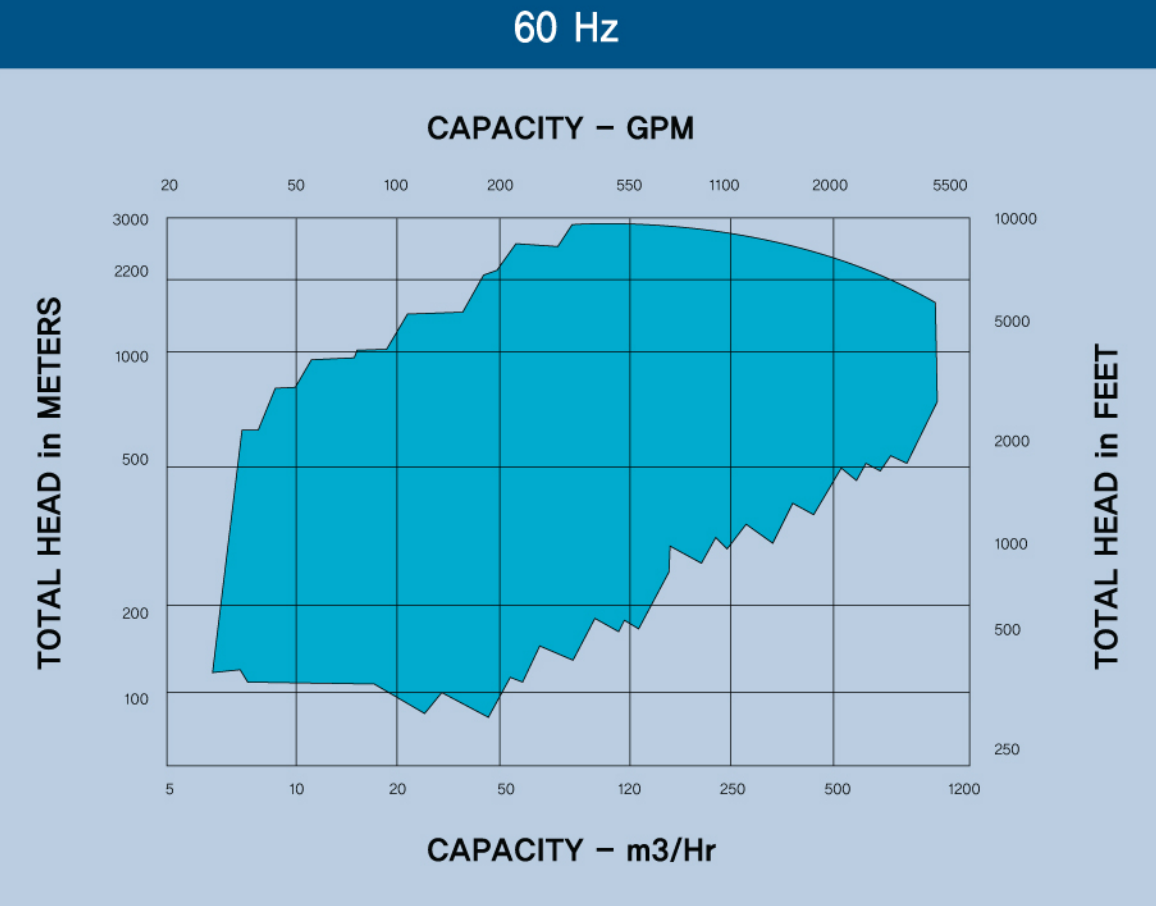
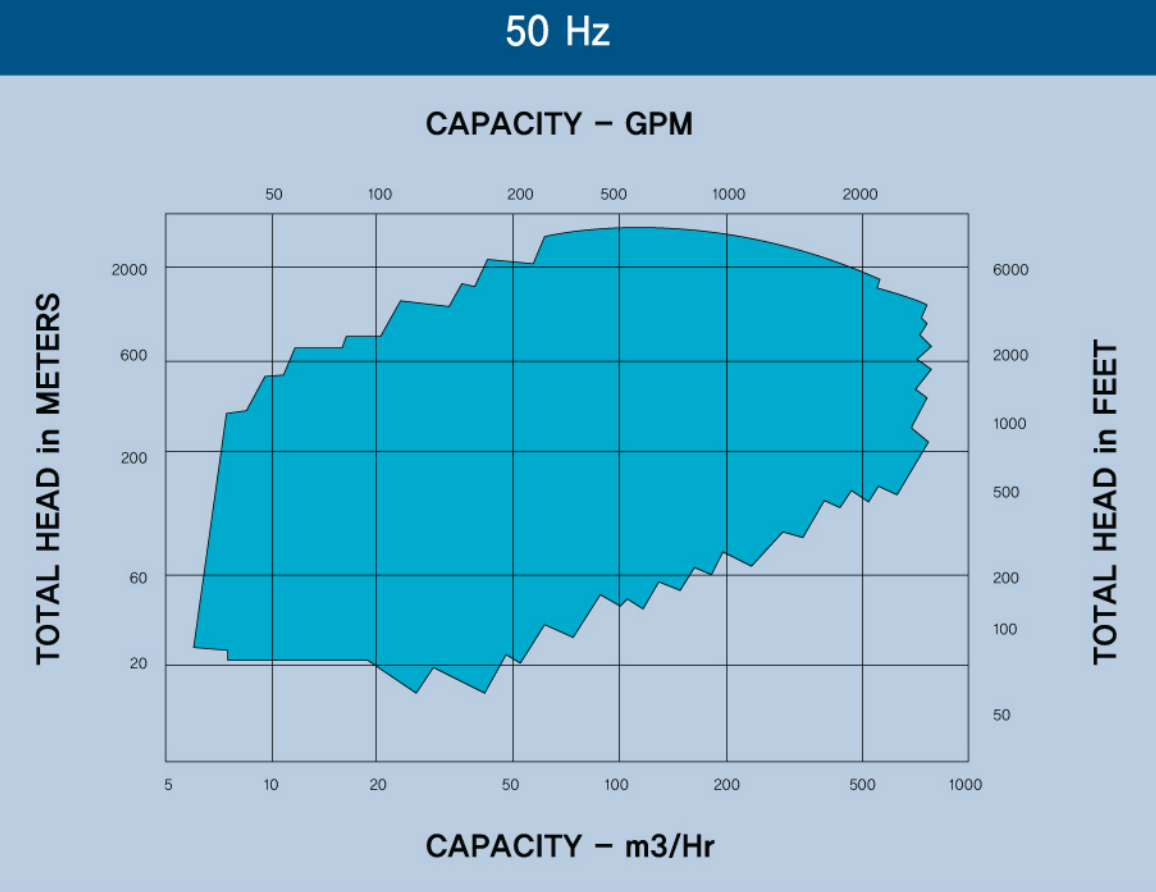
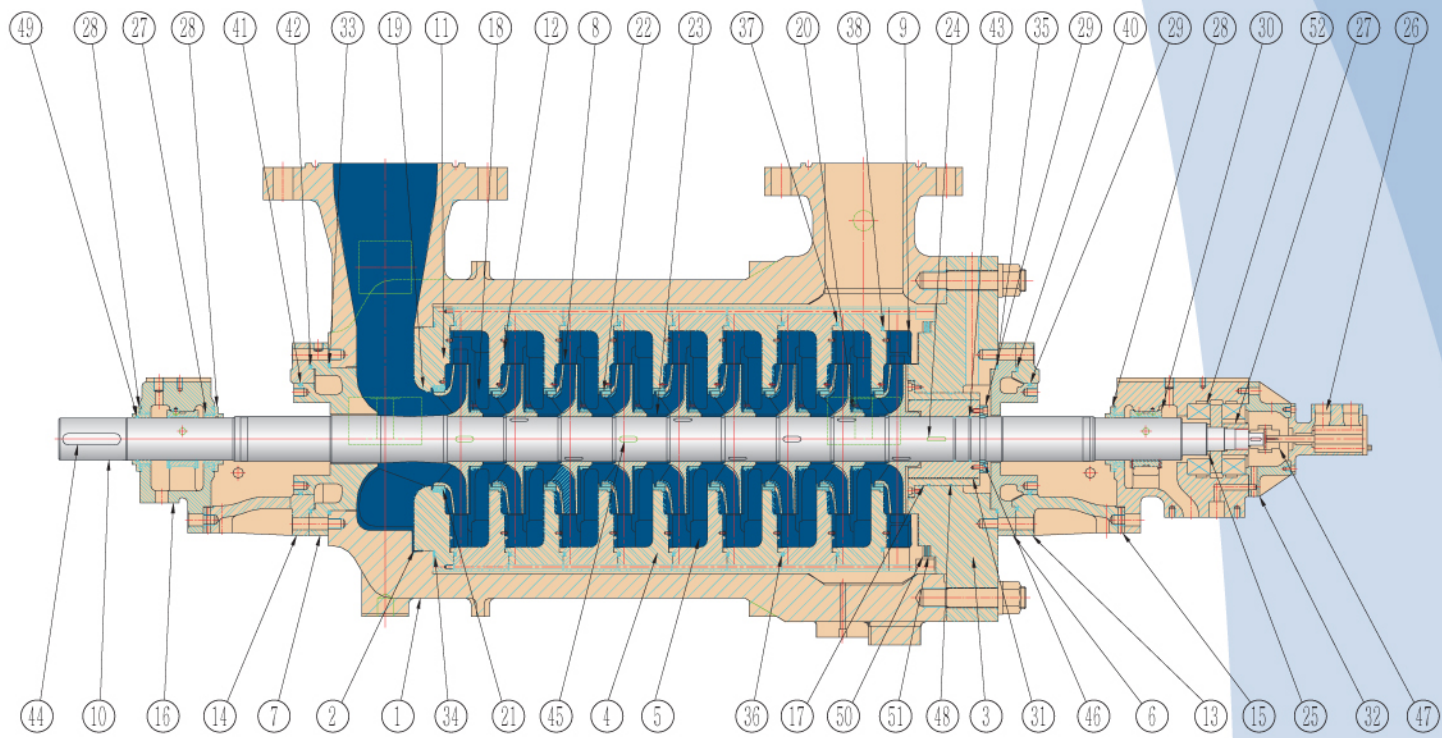


PUMP SELECTION GUIDE



SECTIONAL



NO	PART NAME	NO	PART NAME	NO	PART NAME	NO	PART NAME
13	DIS. SIDE ADAPTER	26	OIL PUMP	39	O-RING (DIS. SIDE STUFFING BOX)	52	THRUST BEARING
12	IMPELLER (2 STAGE)	25	THRUST BRG COLLAR	38	O-RING (LAST STAGE CASING)	51	RING (CASING ADJUST PART)
11	IMPELLER (1 STAGE)	24	BLANCE SPLIT KEY	37	O-RING (LAST STAGE CASING)	50	GASKET (CASING ADJUST PART)
10	SHAFT	23	SPLIT RING	36	O-RING (MIDDLE STAGE CASING)	49	O-RING (DEFLECTOR)
9	LAST DIFFUSER	22	2-9 STAGE IMPELLER WEARING	35	O-RING (END COVER)	48	O-RING (BALANCE SEAT)
8	DIFFUSER	21	1 STAGE IMPELLER WEARING	34	GASKET (DISCHARGE CASING)	47	OIL PUMP COUPLING (SHAFT)
7	SUC. SIDE STUFFING BOX	20	DIFFUSER BUSH	33	O-RING (DISCHARGE CASING)	46	BLANCE DISK KEY (SHAFT)
6	DIS. SIDE STUFFING BOX	19	1 STAGE CASING WEARING	32	OIL PUMP BRACKET	45	IMPELLER KEY (SHAFT)
5	STAGE CASING(LAST)	18	2-9 STAGE CASING WEARING	31	BALANCE DRUM	44	COUPLING KEY (SHAFT)
4	STAGE CASING(MIDDLE)	17	BALANCE SEAT	30	SLEEVE BEARING	43	O-RING (SHAFT)
3	END COVER	16	SUC. SIDE BEARING HOUSING	29	BALANCE DISK GLAND	42	O-RING (SUC. SIDE STUFFING BOX)
2	INNET COVER	15	DIS. SIDE BEARING HOUSING	28	DEFLECTOR	41	O-RING (SUC. SIDE STUFFING BOX)
1	DISCHARGE CASING	14	SUC. SIDE ADAPTER	27	THRUST BRG LOCK NUT	40	O-RING (DIS. SIDE STUFFING BOX)

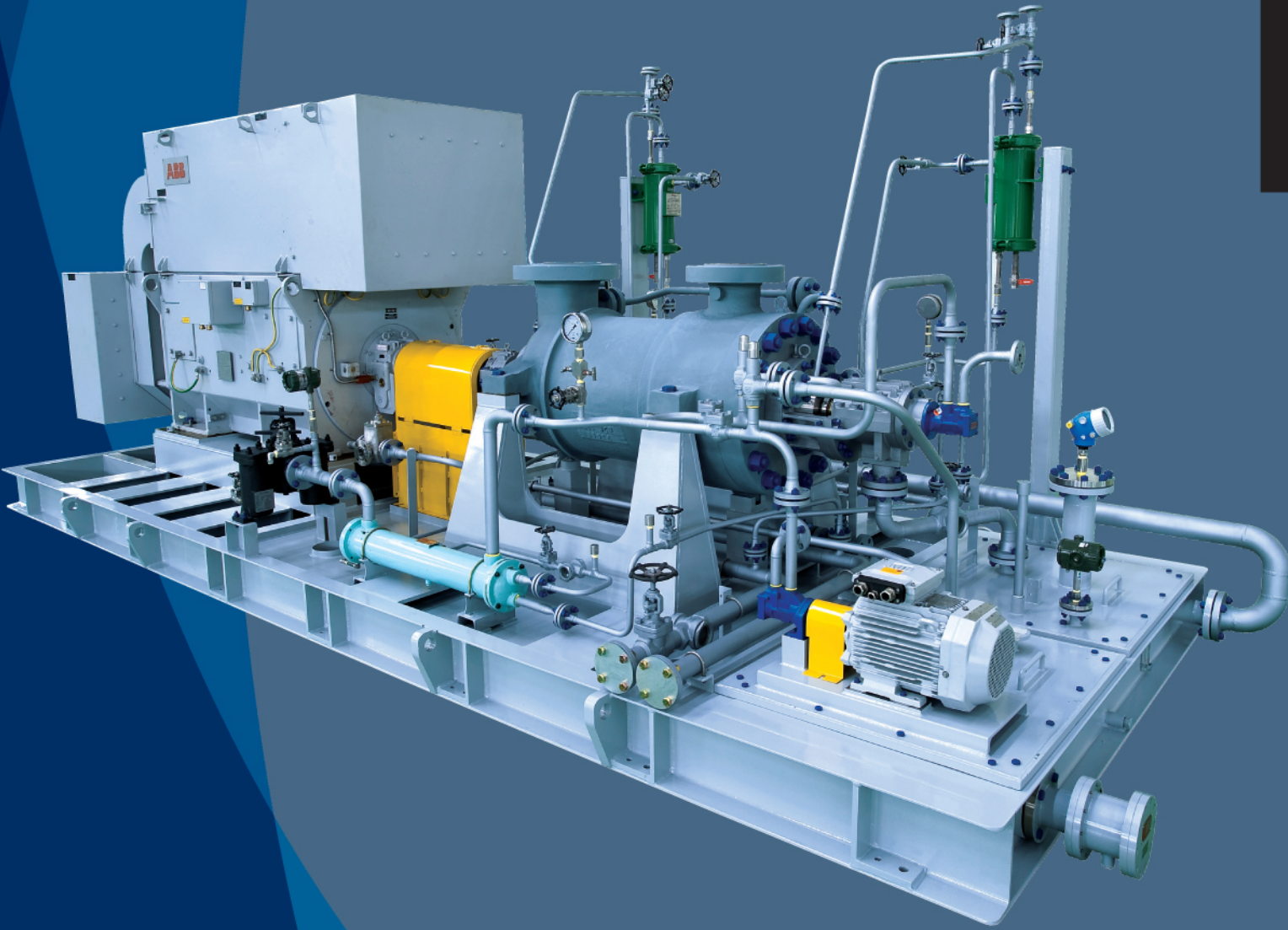
DONGYANG CHEMICAL PUMP CO.,LTD.

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* Contents in this leaflet are subject to change without prior notice.

API 610 10th ed. Barrel Pump(BB5)

RSMP-B
Series



TRUFLO

API 610 10th ed. Barrel Pump(BB5)

RSMP-B SERIES

API 610 10th ed. Barrel Pump(BB5)

- Max.Capacity : 1200m³/h (5280GPM)
- Max.Head : 2200m (7220ft)
- Temperature : 480°C (900°F)
- Allowed Pressure : 300kg/cm² (4270psi)
- Power : 6000kw (8000HP)
- Material : DCI ,WCB, CF8, CF8M, CF3, CF3M CD4M, CN7M, HASELLOY B&C CA6NM
- Easy to install and maintenance
- Enclosed impeller investment casting
- Excellent interchangeability

The TRUFLO Pumps is a global leader in reliable products and innovative pumping solutions.

Our BB5 pump is horizontal, double casing, radially split and multistage pump and between bearing design suitable for high pressure, high speed and high temperature applications.

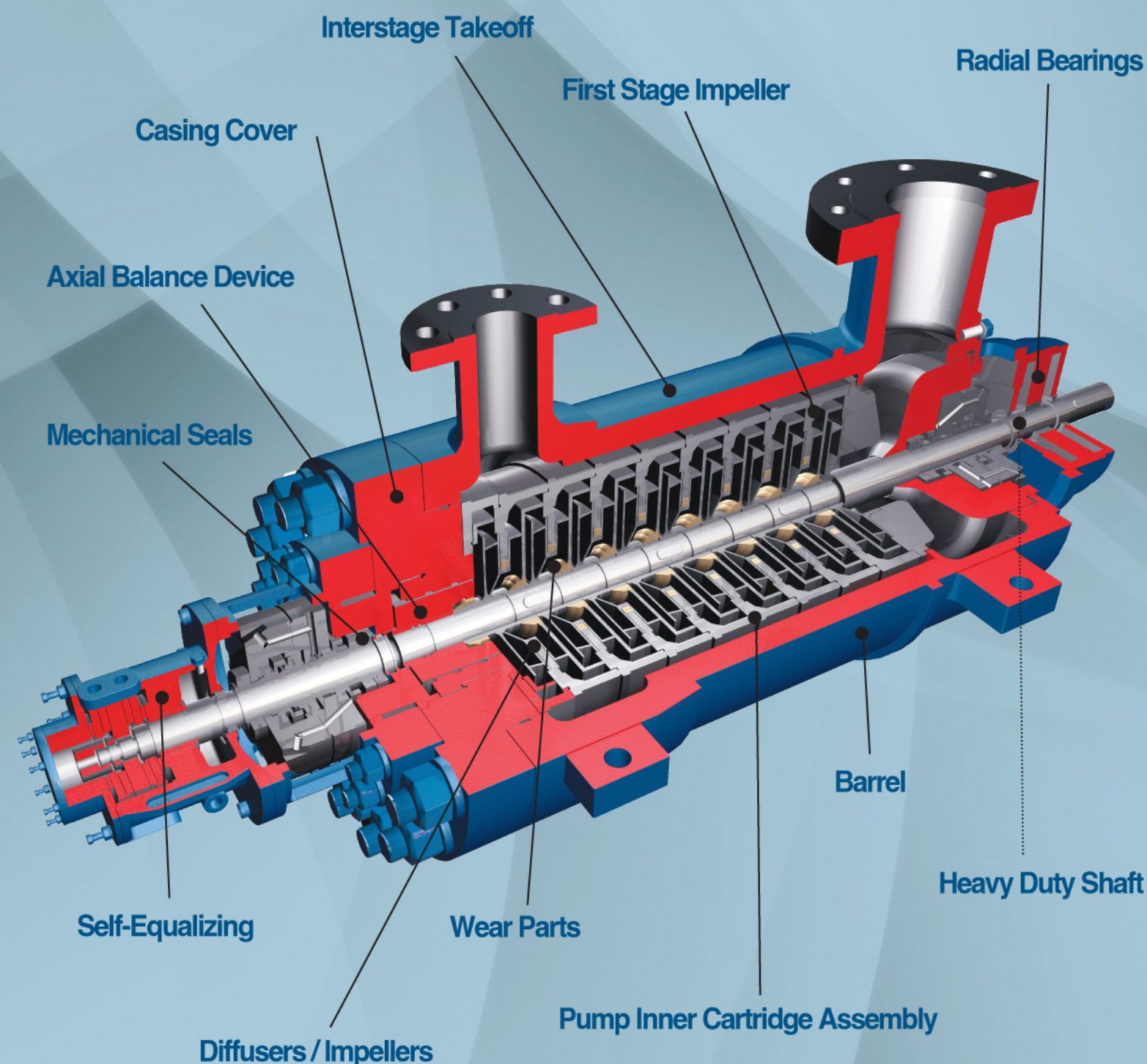
The simple construction of Truflo BB5 pump offers ease of maintenance and installation.

For RSMP-B Series, customers can quickly disassemble and remove the complete barrel using BB5 sunken rail system tool.

APPLICATION

- _ Refinery
- _ Petrochemical Services
- _ Process transfer
- _ Crude Oil Transfer
- _ Water injection
- _ Boiler Feed

13. RSMP-B series



Casing Cover

- Flanger head, studs/nuts
- Flanger head
- O-ring or spiral wound gasket

Axial Balance Device

- Balance drum or disc
- Low specific gravity
- Special materials

Mechanical Seals

- API 682(ISO 21049) Seals
- Single, dual, dual pressurized
- Non-contact gas secondary

Self-Equalizing

- Fan cooled ring oil, or oil mist lubricated tapered roller or 7300 series double ball with machined brass cages, or
- Double acting tilting pad with force feed lubrication system

Diffusers/Impellers

- Allow replacement of individual stage pieces vs entire inner volute
- O-ring or metal-to-metal stage casing fits
- Key driven enclosed impellers
- For PI applications shrink fit split rings axially secured impellers and stepped shaft at each stage
- Blank stages can be supplied for future conditions

Wear Parts

- Variety of materials hardness and hand coatings available depending on pump material and application
- PEEK with reduced clearances available on clean fluids for enhanced efficiency

Interstage Takeoff

- Partial flow takeoff from intermediate stage
- Able to stack high capacity and low capacity diffusers/impllers on same rotor for optimized stgs take off

- Common on boiler feed pumps
- Available on recycle process applications
- Saves cost of additional pump

First Stage Impeller

- Low NPSHr design is standard
- Single or Double suction
- Design by operating conditions

Radial Bearings

- Ring oil or oil mist lubricated roller or ballbearing with C-3 clearance
- Ring oil or force feed lubricated sleeve bearings available
- Bearing designs available for high speed

Heavy Duty Shaft

- Designed for low stress level
- Fully machined
- Dynamically balanced
- Straight bore tapered bore or hydraulic fit under coupling available per API610

Barrel

- Centerline mounted for thermal stability and maximum nozzle load capability
- Cast with nozzles and flanges
- Forged barrel with NDE of nozzle welds
- Pin-and-key-slot thermal expansion system
- Jacketing insulation or noise blankets available

Pump Inner Cartridge Assembly

- Stage casings sealed by discharge pressure
- Free to expand towards discharge cover during warm-up
- Inner tie bolts for assembly/disassembly
- Coupling hub inboard radial bearing and inboard seal chamber removal required on small pumps to remove cartridge
- Lager pumps have barrel bore diameters larger than bearing housing which allows cartridge to removed with those parts assembled

API 610 10th ed. Barrel Pump (BB5)