





Product Description

Yuva series vertical extended shaft double delivery pumps are designed based on KISHOR standard. These pumps are specially designed for process or transfer duty applications, having high efficiency for pumping clean or slightly contaminated chemicals and chemical effluents without solid contents. These pumps can handle all types of corrosive and high temperature liquids. Double delivery & cantilever design can be offered for liquids containing fine abrasive solids or where pump need to be operated for a wide range of duties. Pumps are available in seal-less or with gland packing / mechanical seal options. The design is a completely hydraulically balanced design which makes the pump almost maintenance free.

Applications

- Acids
- Intermediates
- Alkalis
- Seawater
- Dyes
- Hydrocarbons
- Paints
- · Hot water
- Petrochemicals Clear effluents

Industries

- Fertiliser
- Steel
- Petrochemicals
- Power generation
- Refineries
- Pharmaceutical
- Textile
- Acids
- Desalination
- Caustic soda
- Soda ash



Yuva Versions

Yuva ES: Seal-less version

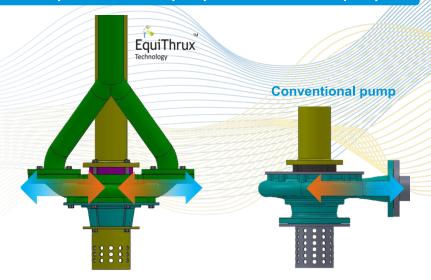
Yuva EV: Vapour seal (mech. seal) version

Yuva EG: Gland packed version

Features & Advantages of Yuva pumps

- Longer uptime with RedAx[™] Technology
- EquiThrux[™] ensures complete balancing of Radial Thrust in double delivery design
- EquiThrux[™] technology allows running of even bigger size pumps at higher speeds, thereby savings on the capital costs
- EquiThrux[™] technology eliminates intermediate bearings upto 2 metres
- Heavy duty rigid construction, while handling high temperature liquids
- EquiThrux[™] ensures no shaft deflection, for wider range of operation, including low flow rates
- Minimal maintenance & spares requirement
- FreeLub[™] technology ensures easy lubrication of intermediate bearings without external flushing
- Option of rectangular or circular support plate
- Tail pipe extension option as per application requirements to increase reliability for increased tank depths
- Ideal for a cantilever design, handling fine slurries and solids
- Prevents damages due to accidental dry running in cantilever construction pumps

Comparison of Yuva pumps vs Conventional pumps



Yuva with EquiThrux[™] technology

In Yuva double delivery pump design the radial thrust is completely balanced with minimal deflection of shaft assembly leading to low vibrations, low downtime, longer time between sleeve & bush replacement.

Performance Range

Flow Rate : upto 600* m3/hr
(*extended range available on request)

Head : upto 125 m.l.c
Specific gravity : upto 1.9
Temperature : upto 160°C
Delivery sizes : 25 to 100 mm
Speed : 1450, 2900 rpm

Installation Depth: upto 7 m

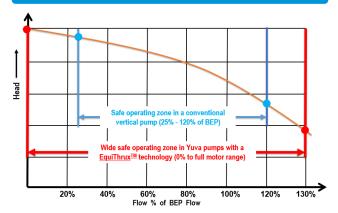
Thrust in Conventional pumps

In conventional pump, the radial thrust deflects the shaft assembly leading to vibrations, frequent changes of intermediate sleeve & bush for reliable performance

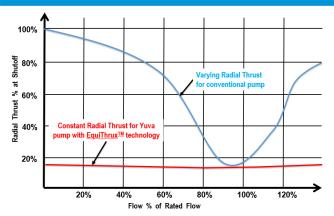
Materials of Construction

DIN4136, WCB, CF8, CF8M, CF3, CF3M, CN7M, CD4MCuN, CE3MN (other materials available on request)

Wide operating range with Yuva pumps



Radial Thrust in Vertical Sump Pumps





KISHOR PUMPS PVT. LTD.

HEAD OFFICE

Add.: A-13/H1, M.I.D.C., Pimpri, Pune - 411018, INDIA.

Tel.: +91 (0) 20 27473570 | 27472616 | Fax: +91 (0) 20 27470570

GSTIN: 27AABCK0619B1Z4 | Email: info@kishorpumps.com Manufacturing Plants: Pune - (Pimpri) | Satara | Palus

Regional Offices: New Delhi | Vadodara | Mumbai | Chennai | Hyderabad