

KDS Polypropylene Pumps KPP Series.



Features

- Suitable for corrosive duties in the Process and Chemical industries.
- Can work continuously.
- Self venting type casing.
- Dynamically and hydraulically balanced impeller with aerodynamic profile vanes.
- Pump casing is provided with external metal ring for construction stability.
- Temp. Range is up to 80°C.

Applications

- For handling liquids in various industries like Textile, Paper, Cellulose, Sugar, Steel, Food, Having wide temperature range & Fluid, etc.
- Ideal for circulation of chemical in metal finishing industry.
- Natural choice for pickling line & scrubber in steel plants.
- High capacity transfer pump, filter press for Dyes & Chemicals, De-scaling, Oil & other fuels.
- Water treatment plant, Effluent treatment plant, Electroplating, Pickling & Steel rolling mills.
- Excellent for transfer and loading-unloading like HCL, Sulfuric acid / Alkali, Caustic liquid.
- Scrubbing of corrosive gases like NH₃, CO₂, SO₃, SO₂, I₂, F₂, Br₂, Cl₂, etc.

Design

Horizontal, radically split, one piece volute casing design, fitted with a semi open impeller, single entry single stages. Following standards of PIN 24256 / ISO 5199.

Material of Construction

Casing, Impeller, Back plate: PP / GRP/ UHMWPE / PVDF
Shaft Sleeve: GRP / Ceramic / ALLOY-20 / Hast Alloy B/C
Bearing Bracket: C.O. GRFG-26
Shaft: SS / EN 9
Bearings: Double ball bearing

Sealing Options

- Externally mounted mechanical seal
- Internal mechanical seal
- Gland packing
- Special design for low RPM pumps

Selection Table.

SUCTION (MM)	DELIVERY (MM)	IMPELLER (MM)	HP	RPM	Capacity in M/Hr					
					Head in Meter					
25	25	100	01	2900	10/04	11/06	08/07	05/09	02/10	00/11.5
40	32	120	02	2900	22/05	19/07	13/11	10/13	05/15	00/17
40	40	150	03	2900	25/08	20/10	15/15	10/18	05/20	00/23
40	40	15	03	2900	25/10	20/15	10/20	05/21	02/23	00/24
75	40	157	05	2900	35/10	30/15	20/20	10/25	05/27	00/29
75	50	160	7.5	2900	55/10	45/15	40/20	30/25	10/30	00/33
50	40	190	12.5	2900	40/25	35/30	30/35	25/40	10/45	00/50
40	40	19	02	1440	24/08	20/8.5	15/09	10/10	0.5/10.5	00/11
75	40	20	03	1440	32/10	25/11	15/12	05/13	00/14	00/00
75	50	21	05	1440	50/10	45/10	35/12	16/14	0.5/15	00/15.5