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### Series TL(R) FGD Pump



Explanation of Type:

For Example, 900TL(R):

900: the diameter of discharge

TL: FGD (for Flue Gas Desulfurization in Power Plants)

(R): Rubber Liner

Features:

1. Series TL(R) FGD pump is the single stage, single suction and horizontal centrifugal pump. It is mainly used as the circulating pump for absorption tower in FGD system in Power Plants. This series pump has the advantages of wide flow range, high efficiency and saving-energy. It adopts the compact X shape Frame to occupy less area. We employ many kinds of reliable material on TL(R) pump according to the requirements of FGD system.

2. The wet parts are designed with the CFD Fluid Simulating Analysis Technology to ensure its high-efficiency operation. The position of impeller in the pump internal can be changed by adjusting the bearing assembly, which can ensure the pump to run

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efficiently. The pump adopts back pull-out structure, which is easy to disassemble and without need to remove the inlet and outlet pipeline.

3. The bearing at pump end is double-row taper roller bearing, and bearing at drive end is cylindrical roller bearing. The bearings are lubricated with thin oil to longer the service time of bearing.

4. Integrated mechanical seal which is suitable to the FGD process is used.

5. Pump casing, pump cover and joint plate are the pressure parts and they use the ductile cast iron.

6. In the rubber structure: impeller, suction cover/front liner plate use special wear-resistant and corrosive-resistant material; the material of front jacket, back jacket and back liner plate is rubber, the rubber material has the advantages of good abrasive-resistant ability, less weight and low cost.

In the metal structure: impeller, jackets and liners use the special wear-resistant and corrosive-resistant material, the suction cover is made of ductile cast iron with rubber.

Technical Parameter Table

Type	Flow Capacity		Head (m)	Speed (r/min)	Efficiency %	NPSHr m	Suction Diameter (mm)	Discharge Diameter (mm)
	m <sup>3</sup> /h	l/s						
350TL(R)	1600	444	25	960	82	4.5	350	400
400 TL(R)	2500	694	25	725	83	5.0	400	450
500 TL(R)	3750	1040	25	725	85	5.0	500	500
600 TL(R)	6300	1750	25	620	88	5.5	600	700
700 TL(R)	6840	1900	26	485	87	6.0	700	800
800 TL(R)	9360	2600	61	485	90	7.0	800	900
900 TL(R)	15000	4167	30	485	90	8.5	900	1000
1000TL	10440	2900	15	485	89	7.0	1000	1200

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