

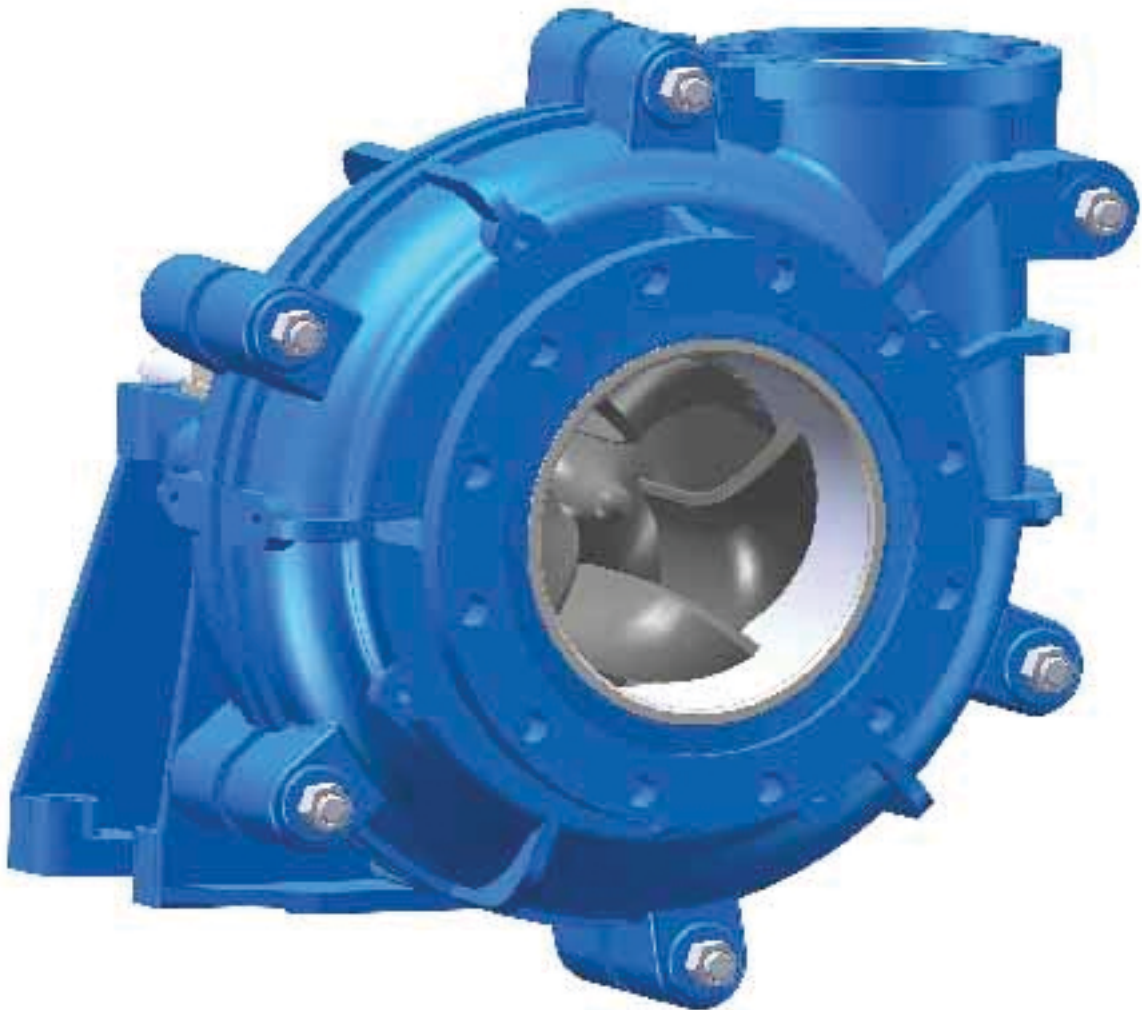


Slurry pumping solutions

**WXF(R)**  
**WLF(R)**

**FROTH PUMP**

| Mineral - Flotation Process |



## TYPICAL APPLICATIONS

### Mineral Processing

WXF(R)/WLF (R) pumps are especially made for pumping the slurries of flotation process in non-ferrous metal extraction, the slurries contain bubbles which are very hard to be got into impeller eye in normal slurry pumps such as WX(R) and WL(R) pumps.

WXF(R) and WLF (R) pumps are converted from WX(R) and WL(R) pumps with several parts modification, the enlarged inlet of throat bush, the blade shape of open impeller and venting pipe in suction pipe help to get as more as froth or viscous slurries into the pump, minimize the pump size and increase efficiency.

Hard Metal or elastomer liners are optional, to obtain longer wear life and reduce Total Cost of Ownership.

- Discharge size: 50mm(2")-450mm
- Capacity to: 5000m<sup>3</sup>/h
- Head to: 65m

## CLEAR WATER PERFORMANCE

WXF(R) WLF(R) Clear Water Performance							
Model	Max. Power Kw	Capacity		Head	Pump speed	Eff.	NPSHr
		(m <sup>3</sup> /hr)	(l/s)	H(m)	n(r/min)	η%	(m)
2 - WXF	55	30.2~129.6	8.4~36	7~55	1000~2600	56.5	2~6
3 - WXF	110	50~220	13.9~61.1	7~52	800~2200	62	2~4.5
4 - WXF	225	80~480	22.2~133.3	6~63	500~1600	66	2~4.5
6 - WXF	425	200~1152	55.6~320	10~62	400~1100	63.5	2~4.5
8 - WXF	1200	400~1500	111.1~416.7	14~60	400~800	71.5	2~10
10 - WXF	1200	700~2000	194.4~555.6	15~65	400~800	78	3~8
12 - WXF	1200	715~3000	198.6~833.3	16~64	300~600	77	3.5~5.5
14 - WXF	1400	850~4000	236.1~1111.1	15~63	250~600	77	3~6
200 - WLF	425	350~1250	97.2~347.2	10~53	600~1000	73	3~10
250 - WLF	425	450~1500	125~416.7	8~25	500~800	70	5~8
300 - WLF	560	750~2500	208.3~694.4	16~46	400~800	79	2~8
350 - WLF	560	700~3500	194.4~972.2	10~46	400~800	81.5	3~8
400 - WLF	600	720~4000	200~1111.1	12~42	300~600	73.4	2~7
450 - WLF	600	720~5000	200~1388.9	12~45	300~600	69.3	2~5