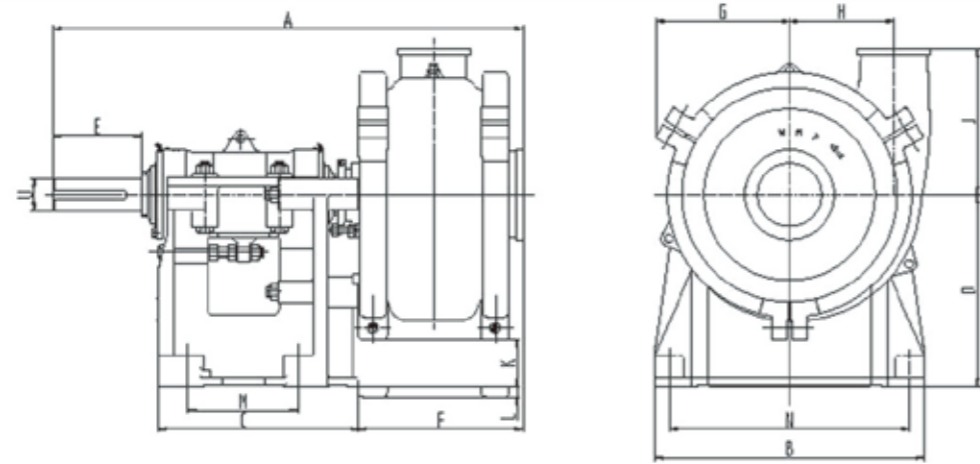


OUTLINE DIMENSION



Pump model	A	B	C	D	U	E	F	G	H	J	K	L	M	N
3x2C-WMP	731	406	311	254	42	311	344	202	128	203	36	-	175	356
4x3CC-WMP	802	406	311	254	45	311	307	223	149	216	15	-	175	356
4x3D-WMP	944	492	364	330	65	364	307	223	149	216	91	-	213	432
6x4DD-WMP	1042	492	364	33D	6D	364	457	315	229	351	-	6	213	432
6x4E-WMP	1207	622	449	457	8D	449	464	315	229	351	121	-	257	546
6x6E-WMP	1491	622	449	457	8D	449	546	424	331	465	-	2	257	546
8x6F-WMP	1491	857	635	610	100	635	522	424	331	465	150	-	349	762
10x8F-WMP														
12x10F-WMP														

All dimensions are in millimeter(mm)

HEBEI TIEC MACHINERY CO.,LTD.

Head Office

Hebei TIEC Machinery Co.,Ltd
Tel: (+86)-311 85832151
E-mail: marketing@atlas-pump.com
Add: No.201 Taihang Street, Hi-Tech Zone, Shijiazhuang Hebei,China

Peru

Atlas Equipment Peru S.A.C
Tel: (+51)-1-2334803
E-mail: marketing@atlas-pump.com
Add: Huachipa,Peru

Australia

Atlas Equipment Australia Pty Ltd
Tel: (+61)488 001 924
E-mail: marketing@atlas-pump.com.au
Add: No.7 Contest Link Road, Henderson, WA 6166

South Africa

Atlas Equipment SA(Pty) Ltd
Tel: (+27)011 825-7777
E-mail: sales@atlas-pump.co.za
Add: 38 Jansen Road,14 Innes Park Jetpark Boksburg,South Africa



www.tiec.com

TIEC
GROUP

INDUX®
ATLAS

WMP

Medium Abrasion Slurry Pump

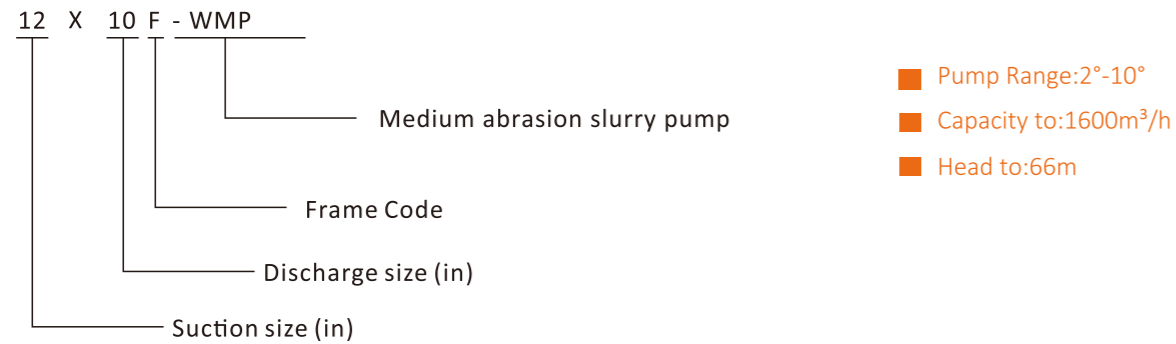
Mining | Power Plant | Coal | Metallurgy | Chemical



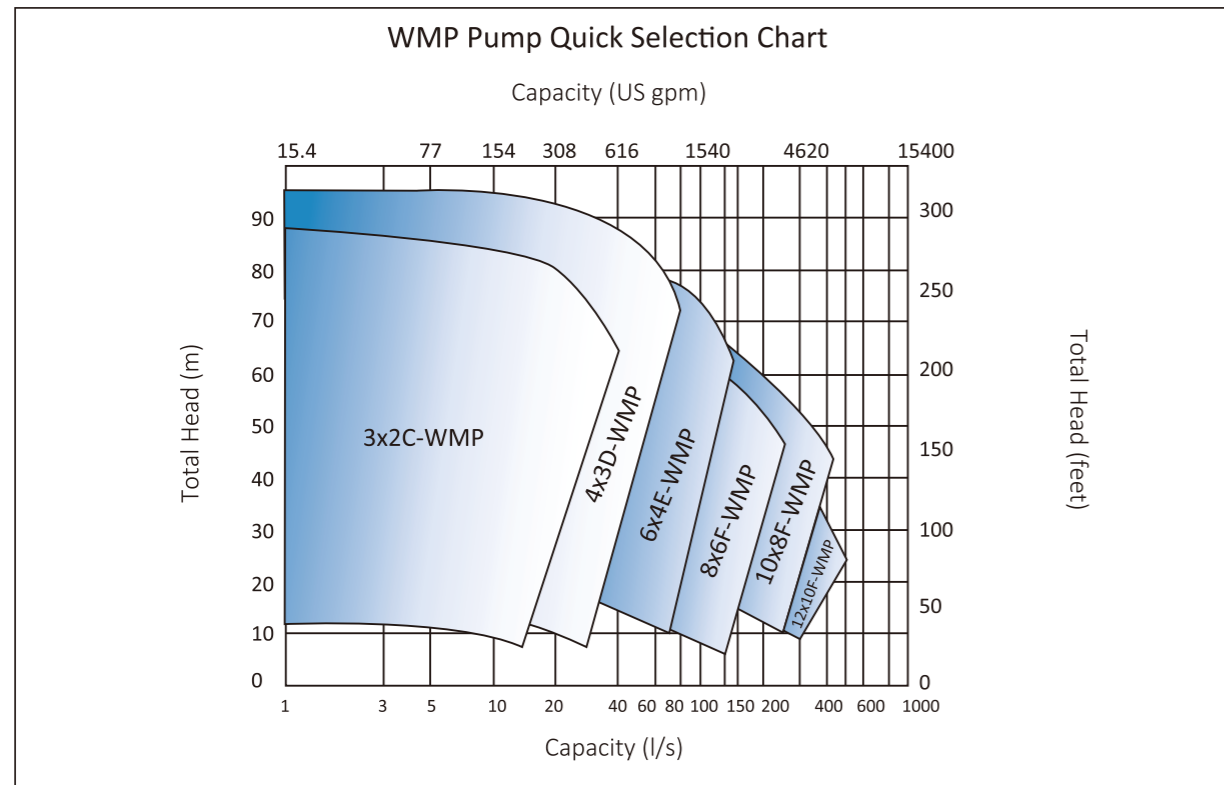
WMP HEAVY DUTY SLURRY PUMPS

WMP medium abrasion slurry pumps are designed for the most difficult pumping applications for highly abrasive, high density or erosive slurries. Extra thick sections at wear point and perfect impeller structure ensures satisfactory performance with long life, and needs minimum maintenance requirements.

Model Description



QUICK SELECTION CHART



TYPICAL APPLICATIONS

Mineral Processing

Rigid structural design and usage of hard wear-resistant material, together with low running speed, allows WMP series slurry pumps for wide application in this area, especially suitable for mill discharge in refining grinding of mineral and refining tailing delivery.

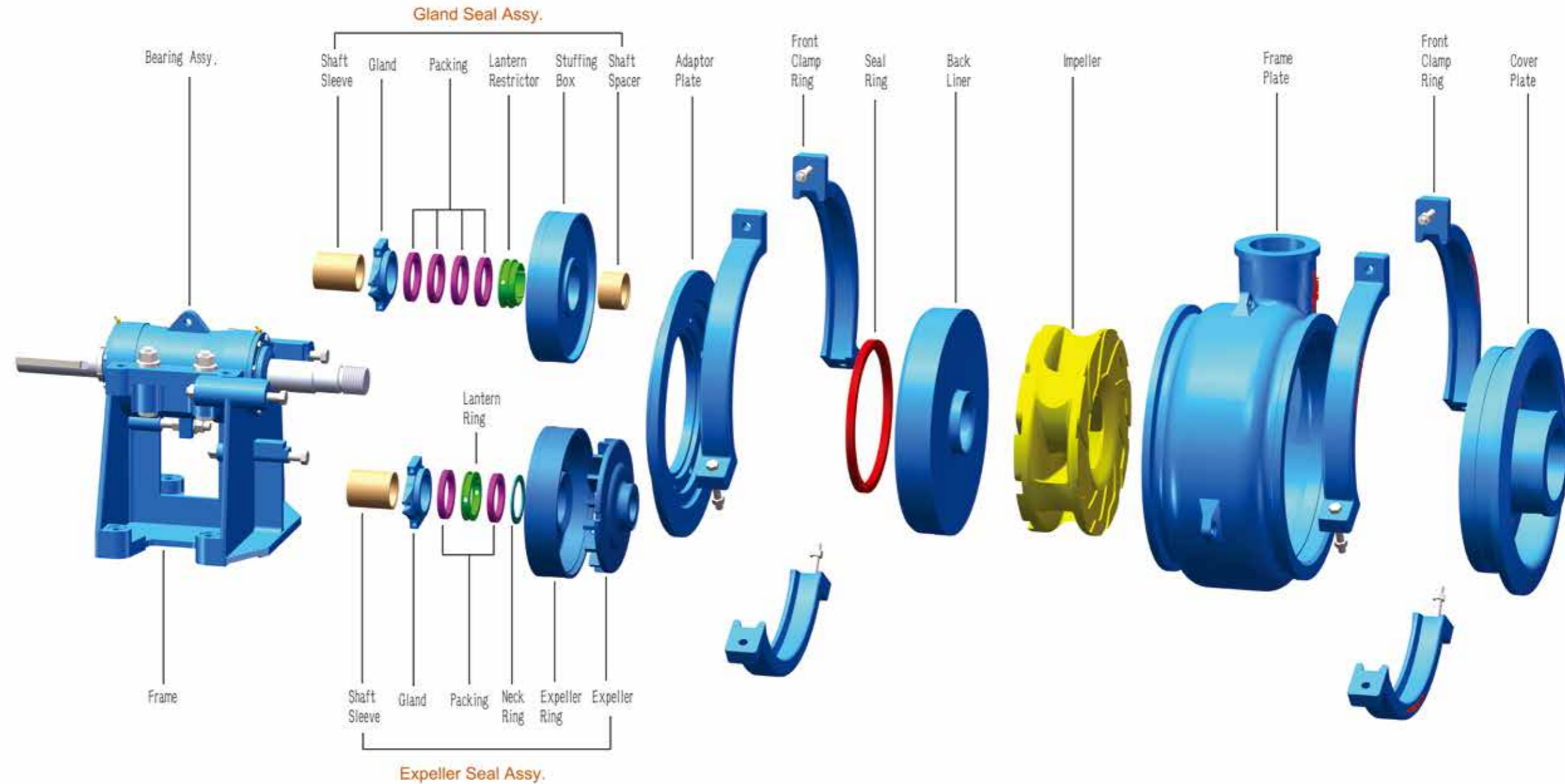
Other Applications:

- Cyclone Feed
- Dense Media Transfer
- Thickener Underflow Tailings
- Dewatering
- General Gravel Dredging Operations
- Slag Granulation

Coal Washing

In the process of coal washing, WMP series slurry pumps are widely used in delivery of high abrasive heavy media and concentrated underflow media.





Pump Features

Single stage, single suction, overhang shaft, centrifugal, single casing horizontal pump

Material:

Shaft sleeve: Ceramic, tungsten carbide or other hard material are optional for coating, to increase wear resistance.

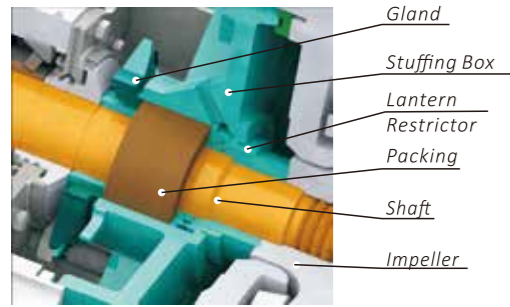
Bearing Assembly- Grease Lubrication are optional depending on the usage.

Seal Options- Packing Seal, expeller(centrifugal or dynamic) seal and mechanical seal are optional to fit different application

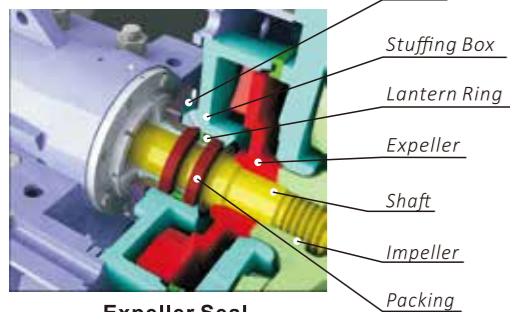
Part Design:

Impeller-Multiple impeller types for diverse applications to get best performance: High efficiency, High efficiency with lower NPSHr, large particle, enhanced performance, flow reducer, recessed eyes are available.

SHAFT SEALS



Packing Seal

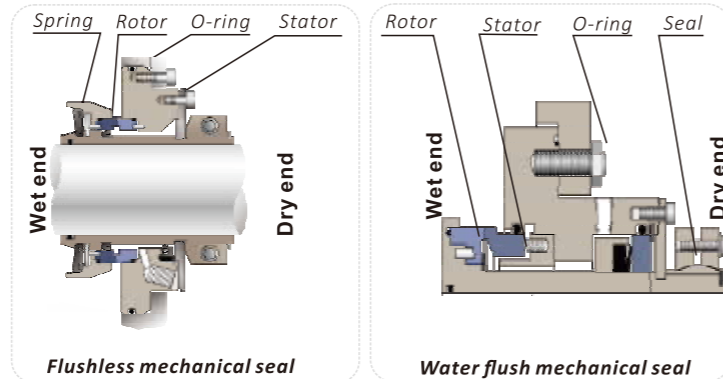


Expeller Seal

Packing Seal – Most popular type of seal. Clean water at a certain pressure being injected into the packing through the lantern restrictor, preventing leakage from casing. Simple structure, easy maintenance and low cost.

Expeller Seal – The expeller generate a reverse centrifugal force to prevent the leakage. It can be used for single-stage pump or the first pump of multiple pumps in series when the positive pressure at suction side is larger than that at discharge side by no more than 10%. No gland water is needed.

Mechanical Seal – Suitable for applications where no extra substance is allowed to mix with the fluid being pumped, such as chemical or food industry.



Water flush seals are preferential unless field condition are inapplicable

For more details, please consult TIIEC

CLEAR WATER PERFORMANCE

Model	Max. Motor Power Kw	Material		Clear Water Performance					
		Liner	Impeller	Capacity		Head H[m]	Pump Speed n[r/min]	Eff n[%]	NPSHr [m]
				{m ³ /hr}	{L/S}				
3X2C -WMP	30	Metal	Metal	36~144	10~40	10~85	1100~3100	65	3~6
4X3CC -WMP	55	Metal	Metal	57.6~288	16~80	10~95	1000~2750	71	2~8
4X3D -WMP	60	Metal	Metal	57.6~288	16~80	10~95	1000~2750	71	2~8
6X4DD -WMP	110	Metal	Metal	90~396	25~110	12~64	800~1600	68	3~8
6X4E -WMP	120	Metal	Metal	90~396	25~110	12~64	800~1600	68	3~8
8X6E -WMP	120	Metal	Metal	288~900	80~250	9~62	500~1140	72	2~8
8X6F -WMP	260	Metal	Metal	288~900	80~250	9~62	500~1140	72	2~8
10X8F -WMP	260	Metal	Metal	300~1440	83.3~400	12~66	600~1100	73	3~12
12X10F -WMP	260	Metal	Metal	360~1800	100~500	8~50	500~1000	73	3~10

M means metal

MATERIAL OPTIONS

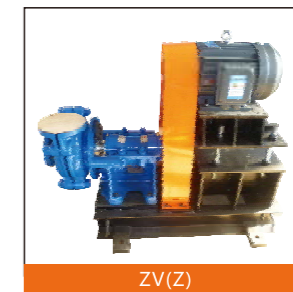
Hard Metals

Material Code	Material Description	Performance Comparison				Applicable Parts		Applications
		Hardness HRC	Anti-Brush	PH Value	Max. Particle Size	Impeller	Liner	
AT01	Medium-Cr Martensitic White Iron	≥55	0.9	3 7 12		●	●	Mud & slag applications.
AT03	Ni-Martensitic White Iron	≥56	0.8			●	●	Neutral water-sand slurry or lower impact load.
AT05	27% Cr White Iron	≥56	1.0 (Datum)			●	●	High impact load abrasion PH rate ranging from 5 to 12.
AT07	Chromium/Molybdenum	≥58	1.2			●	●	High impact load abrasion.
AT08	27% Cr White Iron	≥56	1.0			●	●	Same as AT05, suit for thick wall parts.
AT11	Low Alloy With Iron	38-42	0.7			●	●	Fine particles ,light abrasion.
AT12	30% Cr Hyper eutectic Chromium White Iron	≥62	1.5			●		Highly abrasive ,fine particles.
AT33	33% Cr Erosions & Corrosion Resistance White Iron	≥43	0.7			●	●	Acidic slurries like Phosphoric.
AT49	28% Cr Low Carbon White Iron	≥45	0.7			●	●	FGD process in power plant.
AT530	Super high-Cr White Iron	63-68	1.8			●		Severe abrasive ,fine particles.

DRIVE ARRANGEMENTS



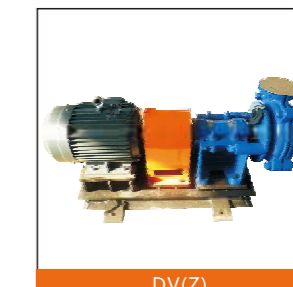
CV



ZV(Z)



CR(Z)/CL(Z)



DV(Z)