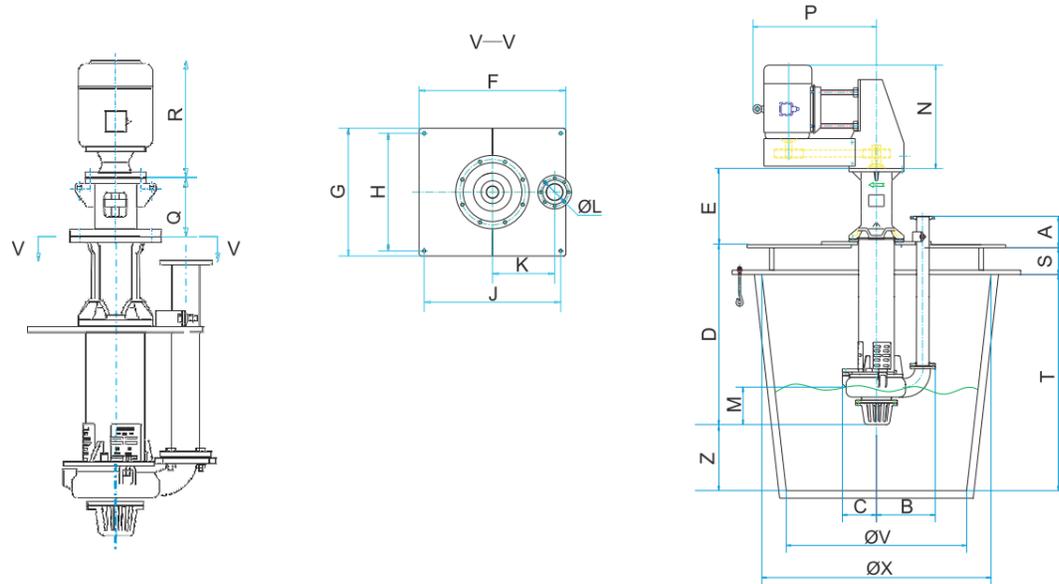


OUTLINE DIMENSIONS



All dimensions are in millimeter
 * means standard length
 Z-Minimum 300~500mm

Pump model	A	B	C	D	E	F	G	H	J	K	ΦL	M	N	P	Q	R	Weight (kg)	Min. size of the pit				
																		S	T	ΦV	ΦX	Volume (m ³)
1.5P-VC	137	286	154	900* 1200	380	500	500	450	450	205	127	174	733	675	248	629	285	280	695	550	1000	0.34
1.5P-VCR	140	265	175		380																	
2.5Q-VC	227	399	231	900 1200* 1500	492	680	680	620	620	285	178	265	898	794	290	681	432	350	925	800	1400	0.90
2.5Q-VCR	230	380	260		498																	
4R-VC	260	515	317	1200 1500* 1800	662	1000	870	800	930	400	229	393	1141	1020	416	960	867	350	1225	1000	1750	1.86
4R-VCR	266	535	332		668																	
6S-VC	390	640	375	1500 1800* 2100	875	1100	1100	1030	1030	500	280	475	1311	1200	476	1011	1737	350	1525	1250	2150	3.54
6S-VCR	395	674	400		883																	
8S-VC	450	772	440	1500 1800* 2100	878	1300	1200	1100	1200	600	343	550	1313	1300	476	1011	3087	350	1525	1500	2400	4.76
10T-VC	500	903	470	1800 2100* 2400	1000	1750	1450	1350	1650	700	406	685	1572	1750	561	1246	4086	400	1775	1700	2700	6.68
2P-VCS	137	286	154	900*1200	380	500	500	450	450	205	152		733	675	248	629	280	350	925	800	1400	0.9
3Q-VCS	227	399	231	900 1200* 1500	492	680	680	620	620	285	190		898	794	290	681	412	350	1225	1000	1750	1.86
4R-VCS	260	515	317	1200 1500* 1800	662	1000	870	800	930	400	228		1141	1020	416	960	815	350	1225	1000	1750	1.86
6R-VCS	390	640	375	1500 1800* 2100	662	1100	1100	1030	1030	500	279		1311	1200	476	1011	860	350	1525	1250	2150	3.54
8R-VCS	450	772	440	1500 1800* 2100	662	1300	1200	1100	1200	600	343		1313	1300	476	1011	920	350	1525	1500	2400	4.76

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Email: marketing@atlas-pump.com

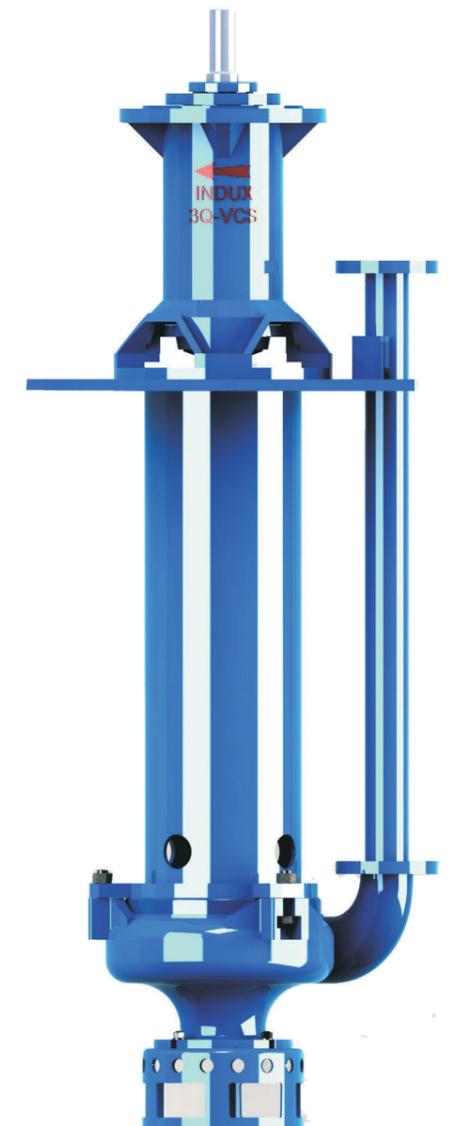


ATLAS PUMP INDUX®

Slurry pumping solutions

VC(R)
VCS
Sump Pump

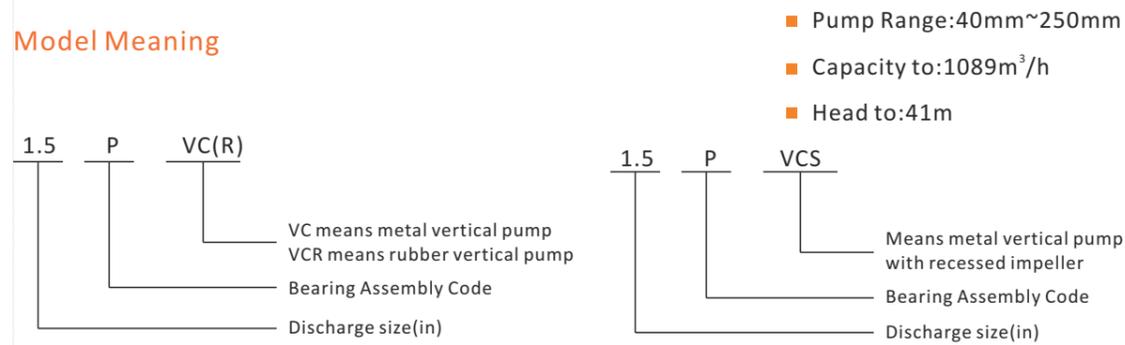
Mining | Power Plant | Coal | Metallurgy | Chemical



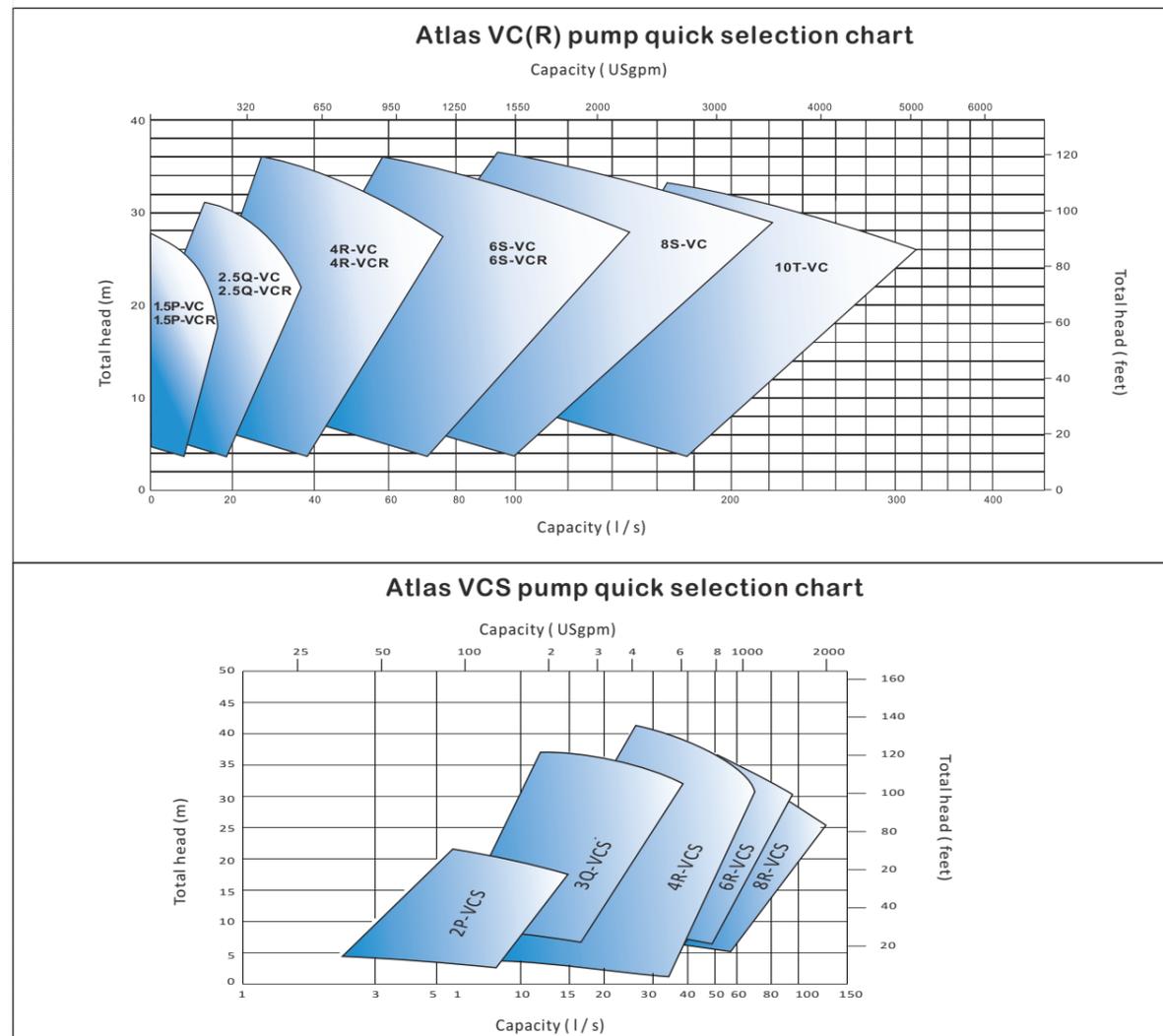
VC(R)/VCS HEAVY DUTY SUMP PUMP

VC(R)&VCS slurry pumps are designed for handling abrasive and corrosive slurries whilst submerged in sumps or pit. The pump has no shaft seal, easy to maintenance and costless. Hard metal and rubber parts are optional for different applications and interchangeable. Suit for most applications where sump slurry pumps are needed.

Model Meaning



QUICK SELECTION CHART

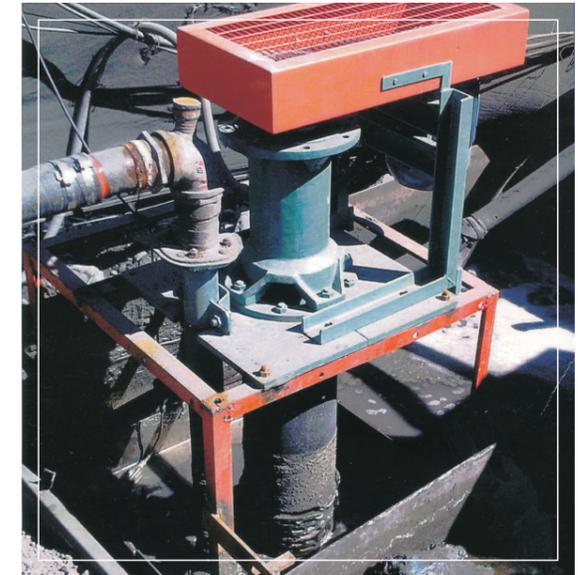


TYPICAL APPLICATIONS

Usage of versatile wear-resistant and corrosion-resistant materials allows WXH Series slurry pumps to service in various industries, help to reduce operation cost and down time. Applicable especially in areas such as cleanup, ash removal, FGD, coal washing and etc.

Mineral processing

VC(R) pumps are applicable in severe working conditions for its seal free structure, high chrome hard metal and rubbers are optional depending on media to be handled, VC(R) are the best choice for the cleanup pump of all kinds of waste gathering pit.



Flue Gas Desulphurization (FGD)

Usage of wear-resistant and corrosion-resistant metal and rubber, which are specially developed for the corrosive slurries containing chlorideion, allows the wide applications of the WX(R) Series slurry pumps in this area as pit pump in filtrate, gas suction and solution proportioning applications.

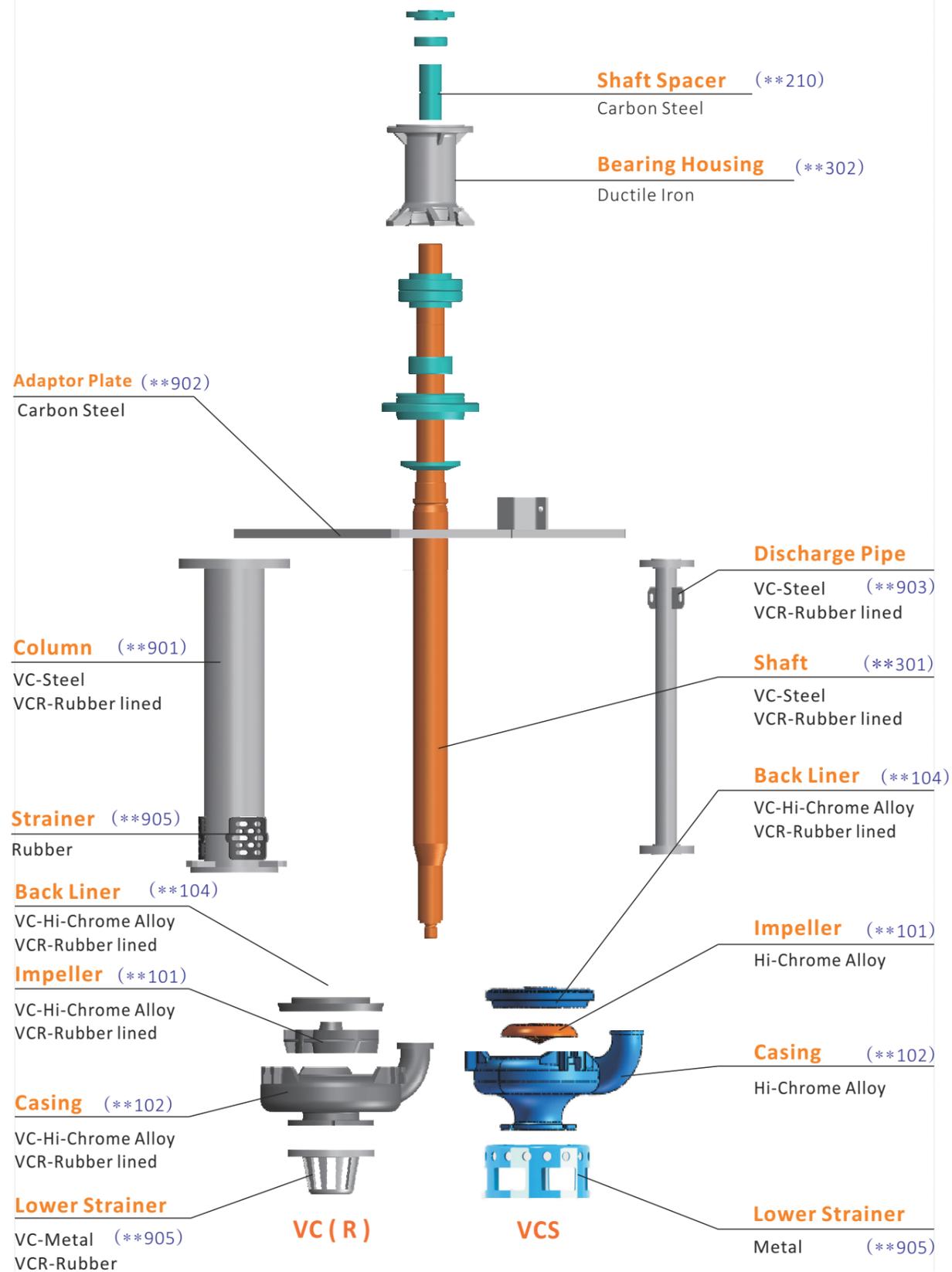
Coal washing

In the process of coal washing, VC(R) Series slurry pumps are widely used in media feeding and cleanup applications.

Building Material

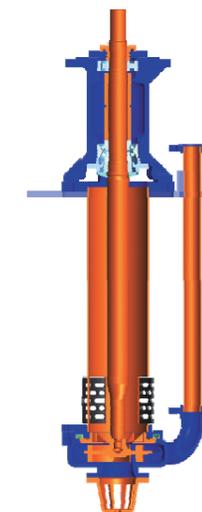
Usage of versatile wear-resistant and corrosion-resistant metal and rubber, allows the VC(R) Series slurry pumps' wide applications in transporting abrasive and corrosive slurries.

STRUCTURE & FEATURES



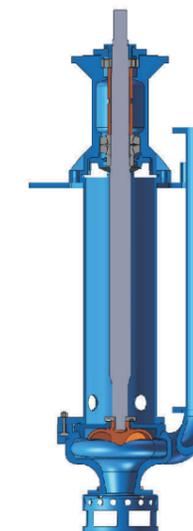
VC (R) & VCS pumps are single stage, single suction, overhang shaft, centrifugal, single casing structure

- Material:**
 Wet Ends- Casings, Impellers, liners are made of high-chrome alloy or rubber, to resist wear, corrosion, impact or erosion, parts made of metal or rubber are interchangeable.
 For VCS, only metal material are optional
- Seal options-**No shaft seal, free of shaft sealing problems.
- Bearing Assembly-** Grease Lubrication, easy to maintenance.
 Heavy duty bearing assembly ensures the stability of pump while slurries containing large size particles are delivered.
- Structure-**No Impeller clearance adjustment is needed.
 Simplicity and appropriacy of construction; easy to maintain and operate.



VC (R)- Standard impellers

Inlet-The bottom and top inlet design allow no priming required.
 Screens- Reduce blockage rate.
 Impeller-Double suction vanes reduce the axial load.
 Suction pipe- could be fixed to draw away the high concentrated slurry deposited on the bottom of pit.



VCS- Non-clogging Sump Pumps with recessed impellers

The recessed impeller and the casing with specially designed flow passage permit passage of big particles unbroken.

This series is specially designed for the applications where heavy abrasive slurries exist and the particles are required to keep unbroken during pumping, e.g. transportation of pellets in mineral processing.

CLEAR WATER PERFORMANCE

Model	Max.Motor Power Kw	Material		Clear Water Performance				
		Liner	Impeller	Capacity Q		Head H(m)	Pump speed n(r/min)	Eff. η(%)
				(m ³ /h)	(l/s)			
1.5P-VC	15	M	M	19.44~43.2	5.4~12	3.5~28	1000~2200	38
1.5P-VCR		RU	RU	17.28~39.6	4.8~11	3~24.5	1000~2200	40
2.5Q-VC	30	M	M	23.4~87.12	6.75~24.2	5.5~31.5	700~1500	51
2.5Q-VCR		RU	RU	22.5~105	6.25~29.15	5.5~27	700~1500	51
4R-VC	75	M	M	54~289	15~80.3	5~37	500~1200	56
4R-VCR		RU	RU	64.8~285	18~79.2	7.5~38	600~1200	62
6S-VC	110	M	M	108~479.16	30~133.1	8.5~37	500~1000	55
6S-VCR		RU	RU	108~479.16	30~133.1	8.5~35.5	500~1000	56
8S-VC		M	M	189~891	52.5~247.5	6.5~37	400~850	64
10T-VC	200	M	M	261~1089	72.5~302.5	7.5~33.5	400~750	60
2P-VCS	15	M	M	8~54	2.22~15	4~22	700~1500	41
3Q-VCS	30	M	M	20~130	5.56~36.1	7~37	700~1500	41
4R-VCS	75	M	M	30~250	8.3~69.44	2~41	400~1500	46
6R-VCS	75	M	M	36~330	10~91.67	8~39	700~1500	45
8R-VCS	75	M	M	60~420	16.7~116.7	6~33	700~1500	42

M means metal , Ru means rubber

DRIVE ARRANGEMENTS



DC



BD

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.

Rubbers

Material Code	Polymer	Applications
RT08	Natural Rubber	Black medium hardness rubber mainly used in impellers for fine slurry applications where cutting and chunking resistant is required. Due to its hardness, it is less prone to deformation during running. Formulated with excellent protection against the environment for maximum storage stability.
RT26	Natural Rubber	A soft black natural rubber with good protection against the environment for storage stability and ageing properties. High resilience and good physical properties, suitable for fine slurry applications.
RT55	Natural Rubber	Black medium hardness rubber with excellent resistance against the environment for maximum storage stability. General purpose grade for fine to medium slurry applications. Good erosion resistance and physical properties.
RT66	Natural Rubber	Black medium hardness rubber used mainly in impellers, suitable for application where chunking and cutting resistant is required. Specially formulated to give excellent erosion resistance for medium to coarse aggregates. Well protected against weather and ageing for maximum storage stability.
ST01	EPDM	Medium hardness rubber for seal application.
ST02	EPDM	Soft to medium hardness rubber for seal application.
ST12	NBR	Black synthetic rubber with moderate wear resistance. Suitable for applications where organic oils and fats resistance is required. Formulated with good protection against the environment for good storage properties.
ST21	Butyl	Black synthetic rubber with moderate wear resistance, suitable for applications where weak acid or alkali are presence. Suitable for working temperature exceeding 100°C.
ST31	Hypalon	Black synthetic rubber, for weather, heat and chemical resistance applications. Moderate wear properties, however excellent performance for strong acid applications.
ST42	Polychloroprene	Black synthetic rubber for impellers and liners with good resistance against mineral oils. Excellent performance in oil and gas application.
ST51	Fluoroelastomer	Black synthetic rubber with exceptional resistance to chemicals and oil at high temperature.