

ATLAS
EQUIPMENT CO.



BATTLE *M T N*
P U M P S



VC(R) Vertical Cantilever Slurry Pumps

“Got Slurry? We can handle it.”

BEARING & SHAFT ASSEMBLY:

Cantilever shaft design; no submerged lineshaft bearings
Grease-lubricated bearings w/double row taper thrust bearings & single roller radial bearing
Elastomer-lined shaft in Model VCR for abrasion & corrosion protection

COLUMN & DISCHARGE:

VC Metal Column
VCR Elastomer-Lined Column

CASING:

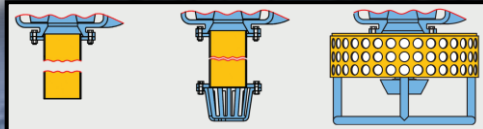
Hard Metal or Elastomer Lined
Elastomer-lined fasteners available

IMPELLER:

Hard Metal / Elastomer Lined
No Shaft Seals Required
Double-suction eliminates air binding
Adjust by shimming bet. bearing housing & mounting plate

OPTIONAL:

- Tailpipe to Pump Deeper
- Agitator fluidizes slurry at inlet



VC & VC(R) pumps are built for “SEVERE”:

1. Abrasive / Corrosive Applications (Acidic)
2. High Specific Gravity Service (Thick Slurry)
3. Continuous, “Severe” Service (24/7 Operation)
4. Solids handling up to 70% Concentration by Weight

MATERIALS OF CONSTRUCTION

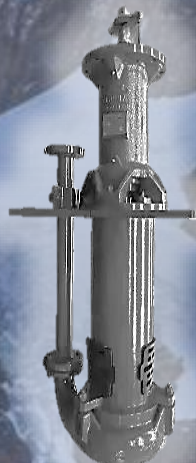
TRM	Model VC	Model VC(R)
Bearing Housing	Ductile Iron	Ductile Iron
Casing & Rear Liner	Hard Metal	Elastomer
Impeller	Hard Metal	Elastomer-Lined
Shaft	Mild Steel	Elastomer-Lined Mild Steel
Mounting Plate	Mild Steel	Mild Steel w/ Elastomer Coating
Strainers	DCI/Cast Iron	Elastomer-Lined



VC(R) SERIES
(Rubber-Lined)



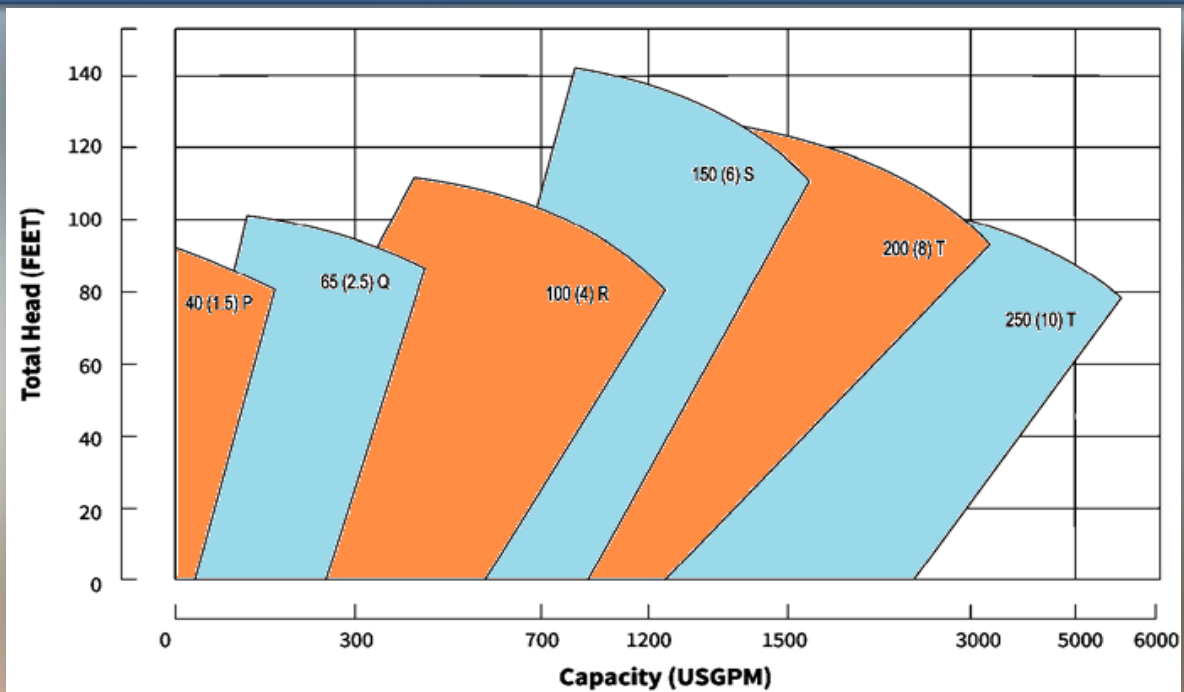
VC SERIES
(with agitator)



VCS SERIES
(Recessed Impeller)

VC(R) Vertical Cantilever Pumps

HYDRAULIC COVERAGE – 60 Hz



BATTLE M T N
PUMPS

DETAILS

MODELS	PUMP SIZE AVAILABLE	BEARING FRAME	BEARING CAPACITY (HP)	IMPELLER & LINER MATERIALS	WEIGHT (lbs)
VC	1.5/40	P	20	Hard Metals, Chrome, and Elastomer covering available. Please contact ATLAS direct for any specialized requests!	629
	2.5/65	Q	40		953
	4/100	R	100		1911
	6/150	S	150		3830
	8/200	S	150+		6800
VC (R)	1.5/40	P	20		550
	2.5/65	Q	40		850
	4/100	R	100		1700
	6/150	S	150		3350

Parts you need...

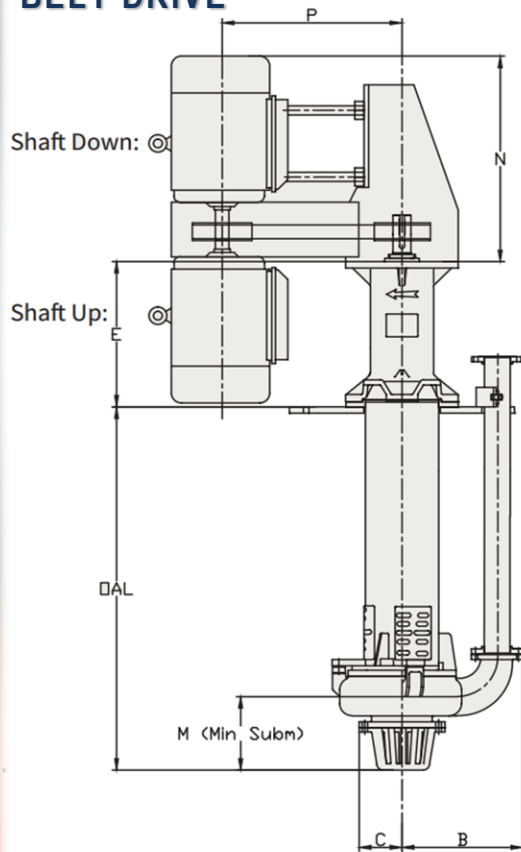


...without the wait

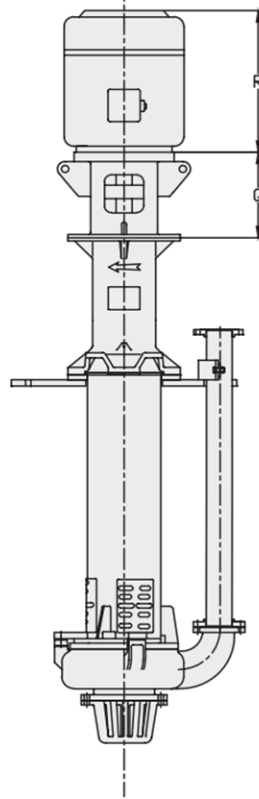
VC(R) Vertical Cantilever Pumps

BARE PUMP – Dimensional Drawing

BELT DRIVE



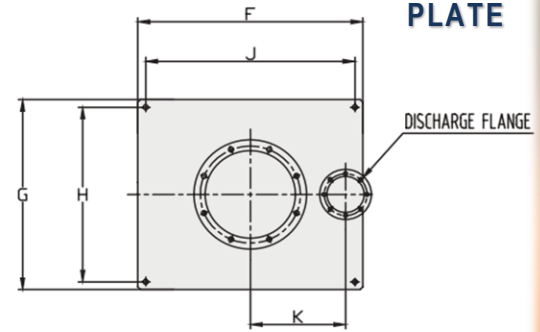
DIRECT DRIVE



Pump Size* (in/mm)	Length Code	Length (in/mm)
1.5 / 40	E*	36 / 900
	G	48 / 1200
2.5 / 65	E	36 / 900
	G*	48 / 1200
	J	60 / 1500
4 / 100	G	48 / 1200
	J*	60 / 1500
	L	72 / 1800
6 / 150	J	60 / 1500
	L*	72 / 1800
	N	84 / 2100
8 / 200	J	60 / 1500
	L*	72 / 1800
	N	84 / 2100
10/250	J	60 / 1500
	L*	72 / 1800
	N	84 / 2100

* Standard Length

MOUNTING PLATE



Pump Size* (in/mm)	Bearing Frame	Model	B	C	E	F	G	H	J	K	L	M	N**	P**	Q	R**	Weight (lbs)
1.5 / 40	P	VC	11.22	6.02	14.96	19.68	19.68	17.71	17.71	8.07	5.00	6.85	28.85	26.57	9.67	24.76	629
1.5 / 40	P	VCR	10.43	6.89	14.96	19.68	19.68	17.71	17.71	8.07	5.00	6.85	28.85	26.57	9.67	24.76	550
2.5 / 65	Q	VC	15.70	9.09	19.37	25.77	25.77	24.41	24.41	11.22	7.00	10.43	36.35	31.25	11.41	26.81	953
2.5 / 65	Q	VCR	14.98	10.23	19.37	25.77	25.77	24.41	24.41	11.22	7.00	10.43	36.35	31.25	11.41	26.81	850
4 / 100	R	VC	21.18	12.48	26.06	39.37	34.25	31.49	36.61	15.74	9.01	5.47	44.92	40.15	16.37	37.79	1,911
4 / 100	R	VCR	21.06	13.07	26.00	639.37	34.25	31.49	36.61	15.74	9.01	15.47	44.92	40.15	16.37	37.79	1,700
6 / 150	S	VC	26.37	14.37	34.44	43.30	43.30	40.56	40.56	19.68	11.02	18.70	51.61	47.24	18.74	39.80	3,830
6 / 150	S	VCR	26.37	15.74	34.44	43.30	43.30	40.56	40.56	19.68	11.02	18.70	51.61	47.24	18.74	39.80	3,350
8 / 200	S	VC	31.69	17.32	34.56	51.18	47.24	43.30	47.24	23.62	13.50	21.65	51.69	51.18	18.74	39.80	6,800
10/250	S	VC	36.61	18.50	39.73	68.89	57.00	53.14	65.00	27.55	16.00	27.00	61.88	68.89	22.00	49.00	9,000



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