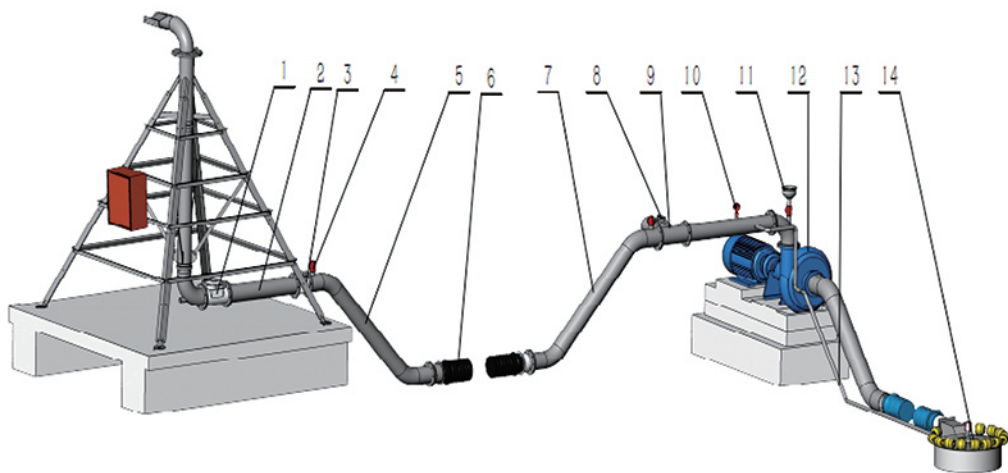


Center pivot+Hook up+Pump+ Motor+Soft start +Filter



Serial	Item	Specification
1	Check valve	8"
2	Pipe	8"
3	Flow meter	8"(0-400m ³ /h)
4	Air valve	2"
5	Z-pipe(Hook up to pivot)	8"
6	PE pipe(Under ground)	10"x500m
7	Z-pipe(Hook up to pump)	8"
8	Drainage valve	8"
9	T-pipe	8"
10	Pressure guage	0-100psi
11	Water hopper	2"
12	Pump	250-360m ³ /h
13	Pipe for Self-cleaning water	2"
14	Floating filter(Self-cleaning)	250-360m ³ /h

Rainfine Irrigation Co.,Ltd

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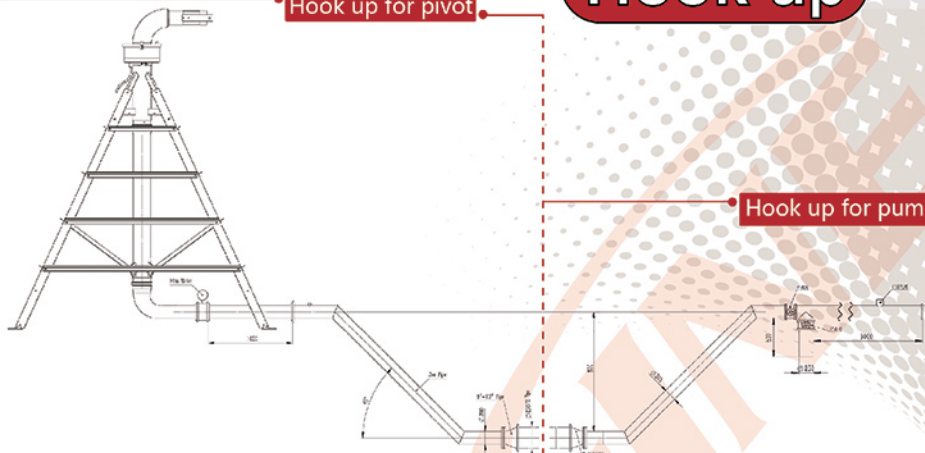
Mobile: +86-13940972553/13352280266

<http://www.rainfineirrigation.com>

Hook up

Hook up for pivot

Hook up for pump



Hook up for pump
with motor



Hook up for pump
with diesel engine



Motor

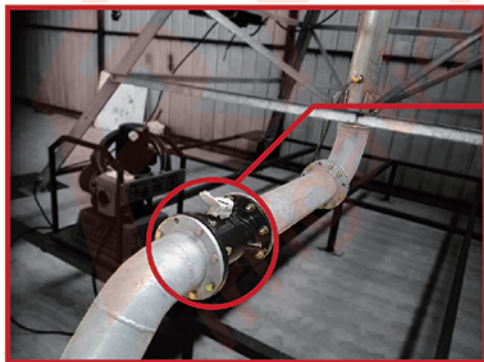


Diesel engine

Pipe connected to center pivot



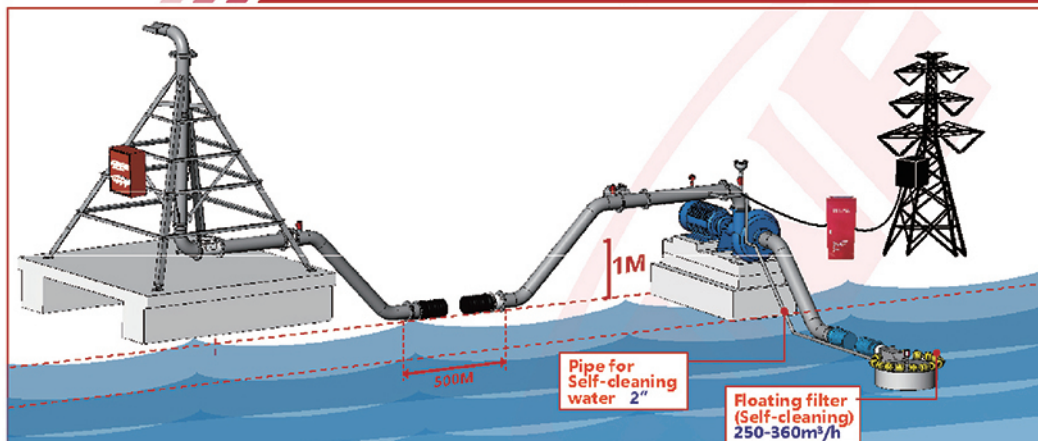
Pump water from open channel



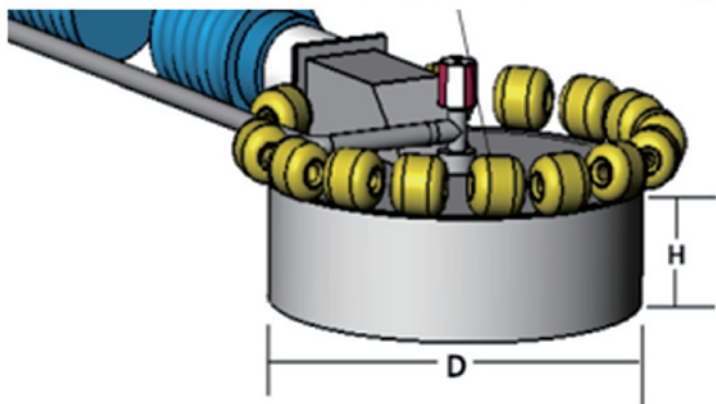
Flow meter
250~400m³/h



Self cleaning floating filter



How to take water from open channel

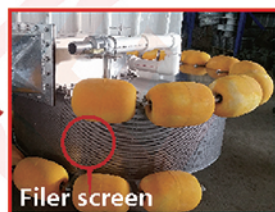
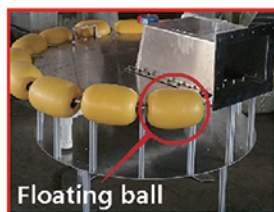


Self-cleaning Filter Size and Flow Capacity(Screen $\phi 1.5\text{mm}$)

Part No.	Filter Size		Flow Capacity (m³/h)	Pivot Length (m)	Water Application (mm/day)	Irrigation Area (Ha)
	D(mm)	H(mm)				
RFF100	800	140	100	252	12	20
RFF150	800	200	150	310	12	30
RFF200	1000	210	200	357	12	40
RFF250	1000	260	250	400	12	50
RFF300	1000	300	300	437	12	60
RFF350	1250	300	350	472	12	70
RFF400	1250	320	400	504	12	80
RFF450	1250	380	450	531	12	90
RFF500	1250	420	500	564	12	100

How to take water from open channel

New Solution



Self cleaning floating filter

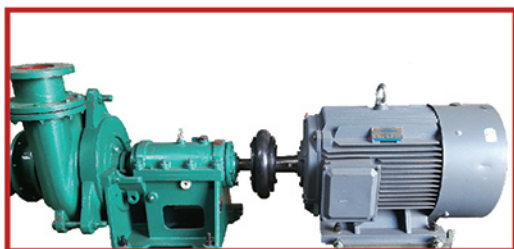


Advantages

- Much lower cost (about 30% of the old solution)
- Much time saving
- Filter system, take clean water
- Self cleaning, easy maintenance
- No dam cleaning works



Pump/Motor/Soft Start Panel

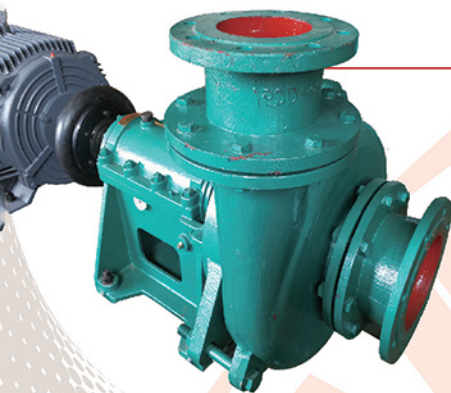


▲ Pump and Motor



Soft start Panel ▲

Slurry Pump



■ The main impeller is high chrome material.

■ A large diameter shaft with a short over hang minimizes deflection and vibration.

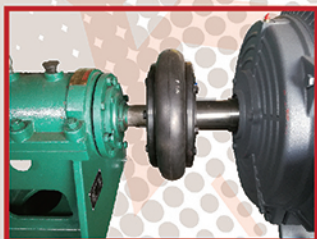
■ Heavy-duty roller bearing.

■ A hardened, heavy-duty, corrosion-resistant sleeve with o-ring seals at both ends to protect the shaft. A split fit allows the sleeve to be removed or installed quickly.

Rubber Coupler

Torque(NM)=

$$9,550 \times \frac{\text{Design Power(KW)}}{\text{Motor Speed(RPM)}}$$



Item	F100	F110	F120	F140
Max Speed (RPM)	2,600	2,300	2,100	1,840
Torque (NM)	670	880	1,330	2,330
MAX Torque (NM)	1,520	2,140	3,550	5,640
Misalignment (MM)	≤ 2.6	≤ 2.9	≤ 3.2	≤ 3.7
Max End Float (MM)	3.3	3.7	4	4.6

Motor SIEMENS BEIDE



Rated Output (50HZ)(KW)	45	55	75	90
Rated Speed (RPM)	1,475	1,480	1,485	1,485
Rated Current (50HZ)(A)	84	104	139	205
Rated Torque (50HZ)(NM)	291.4	354.9	482.3	578.8
Starting Current/ Rated Current IIR/Irated	2.7	3.1	2.7	2.7
Max Torque/ Rated Torque	3.2	3.5	3.1	3.1
Weight (KG)	322	410	555	610

Soft Start Panel

Energy conservation design



Protection

- High temperature
- Current overload
- Short circuit
- Open phase
- Motor over heating

Voltage: 340-430V

Frequency: 50HZ/60HZ

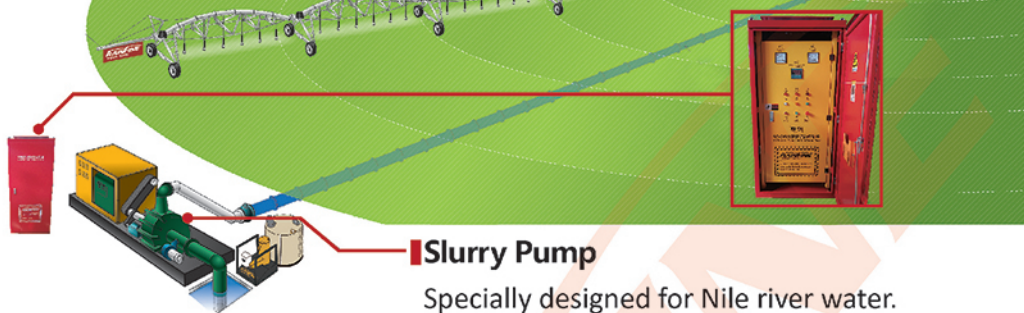
Auto self-inspection&Alarm

ABB components

Air cooling

Outdoor design IP54

Pivot+ Pump+ Motor+Soft Start



Slurry Pump

Specially designed for Nile river water.
Flow rate:360 m3/hr

Pivot Length (M)		300	400	450	500
Water Application (mm/24hours)		12	12	12	12
Pump Flow (m³/h)		150	250	320	400
Charge Head (M)		35	40	45	50
Rubber Coupler		F100	F110	F120	F140
Motor (KW)		45	55	75	90
Soft Start(kw)		45	55	75	90
Weight (KG)	Pump	500	550	550	580
	Motor	410	555	610	750
	Frame	250	280	300	335
	Soft start panel	200	220	280	280
	Total	1,360	1,605	1,740	1,945
Size (MM)	Pump and motor	2,000x880x1,250	2,000x880x1,250	2,000x880x1,250	2,000x880x1,250
	Soft start panel	1,900x900x500	1,900x900x500	2,200x1,000x600	2,200x1,000x600