



PRIME
SOLUTION



**MADE IN
USA**

PRIME SOLUTION ROTARY FAN PRESS® (RFP)

SIMPLE. EFFECTIVE. PRIME.

Prime Solution is known in the wastewater treatment market as one of the most reliable manufacturers that delivers superior performance and customer service.

With a humble start in a barn in the Midwest, Prime has evolved into a global leader in thickening and dewatering solutions. Our mission is to design and manufacture operator friendly and simple, yet effective thickening and dewatering solutions that meet or exceed the needs and wants of our customers.

EXCEED ORDINARY

Prime Solution has decades of experience in developing and delivering made-to-order thickening and dewatering solutions for customers. From design and engineering to sales and customer service, Prime Solution excels in providing solutions for our customers.

PRIME ROTARY FAN PRESS®

There is only one Rotary Fan Press®. Patented screen technology and fundamental physics of friction and pressure provide superior dewatering performance at a lower cost.

- ◆ 24, 36 & 48-inch diameter
- ◆ One-to-four Dewatering Channels
- ◆ Free-standing/Skid Mounted/Mobile
- ◆ Sludge Cake Conveyors
- ◆ Emulsion Polymer Systems

APPLICATIONS

- ◆ Municipalities
- ◆ Industrial
- ◆ Agricultural
- ◆ Petrochemical
- ◆ Food
- ◆ Gas, Oil & Mining

ADVANTAGES

- ◆ Simple operation
- ◆ Lowest maintenance
- ◆ Minimal operator attendance
- ◆ High cake solid and solids capture
- ◆ Minimal polymer required
- ◆ Slow speed, minimal noise
- ◆ Low energy
- ◆ Pre-thickening not required
- ◆ Space saving
- ◆ Easy installation



MODEL REFERENCE

PRIME SOLUTION ROTARY FAN PRESS (RFP)

FREE-STANDING SYSTEMS: The Prime Free-Standing System easily adapts into existing or new applications for dewatering. With several sizes available and model expandability, the space-saving, totally enclosed, low-speed operation allows for easy integration.

MODEL	CHANNELS	FILTRATION AREA (ft ²)	PRESS DRIVE HP	APPROX. LENGTH (ft)	APPROX. WIDTH (ft)	APPROX. HEIGHT (ft)	APPROX. WEIGHT (lbs)
RFP18S	1	2.53	.75	5.5	3	6	1,200
RFP24S	1	4.28	1.5	6	4.5	5.5	2,100
RFP24D	2	8.56	1.5	6	4.5	5.5	2,600
RFP36S	1	10.32	3	7.5	5.5	6.5	2,400
RFP36D	2	20.64	3	7.5	6	6.5	3,600
RFP36DE	2	20.64	5	8	6	8	6,600
RFP36T	3	30.96	5	8	8	8	8,300
RFP36Q	4	41.28	5	8	9.5	8	9,800
RFP48S	1	18.82	5	8.5	5.5	8	6,400
RFP48D	2	37.64	5	8.5	6.5	8	8,500
RFP48DE	2	37.64	7.5	9.5	6.5	8.5	9,500
RFP48T	3	56.46	7.5	9.5	8	8.5	11,800
RFP48Q	4	75.28	7.5	9.5	10	8.5	14,200

SKID SYSTEMS: Prime's Skid Systems come work-ready and fully integrated for turnkey operations. No need to deal with multiple vendors for the installation of ancillary equipment—it's all included. Connect the pre-plumbed and pre-wired system, and you're ready to go.

MODEL	CHANNELS	FILTRATION AREA (ft ²)	COMBINED HP	APPROX. LENGTH (ft)	APPROX. WIDTH (ft)	APPROX. HEIGHT (ft)	APPROX. WEIGHT (lbs)
RFP18S-SK	1	2.52	3.25	9	3.5	6.5	2,300
RFP24S-SK	1	4.28	5.5	10.5	5	7	3,400
RFP24D-SK	2	8.56	5.5	10.5	5	7	4,000
RFP36S-SK	1	10.32	9	10.5	5.5	7	5,600
RFP36D-SK	2	20.64	9	10.5	6	7	6,800
RFP36DE-SK	2	20.64	13.5	13	9	8.5	8,800
RFP36T-SK	3	30.96	13.5	13	9.5	8.5	10,400
RFP36Q-SK	4	41.28	13.5	13	10	8.5	12,300
RFP48S-SK	1	18.82	13.5	13	6	9	8,500
RFP48D-SK	2	37.64	13.5	13	6.5	9	10,400
RFP48DE-SK	2	37.64	18.5	14	10	9	12,300
RFP48T-SK	3	56.46	18.5	14	10	9	14,500
RFP48Q-SK	4	75.28	18.5	14	10	9	17,000

MOBILE SYSTEMS: Whether you have more than one facility, service several facilities, require backup portability, or just need to reduce the cost of putting up a new building, Prime can customize all of our equipment in a complete, turnkey, compact, mobile system.

Learn more. Please contact us if you would like to learn more about Prime or to speak to a salesperson.