

# Product Information



## R-Prime Series Industrial Pumping Units

Rainbow Manufacturing Company

One Rainbow Drive • P. O. Box 70 • Fitzgerald, Georgia 31750 USA

Telephone (229) 423-4341 • Fax (229) 423-4645 • [www.rainbowirrigation.com](http://www.rainbowirrigation.com)



# Industrial Pumping Units

Rainbow Manufacturing Company introduces its R-Prime Series of continuous priming centrifugal pumps with dry-run capabilities for the construction, mining, municipal, industrial and environmental markets. The R-Prime Series will be available both diesel and electric motor driven for stationary and mobile applications.

With tens of thousands of pumping packages produced for nearly four decades, who better to trust with your liquid moving needs than Rainbow Manufacturing Company? We have spent the past five years perfecting the R-Prime Series before bringing it to production. We have designed each pump package with simplicity and durability in mind. The R-Prime Series will serve a wide variety of applications from dewatering a construction site to sewage bypass systems or other applications where intermittent flow can be a problem. Our extensive dealer network is there to offer sales support and service.

Let Rainbow Manufacturing Company and the new R-Prime Series Pumping Units be the name you trust for all your liquid handling needs.

## Features

- Close coupled centrifugal pump with vacuum priming compressor mounted to a diesel engine. Also available electric motor driven.
- All cast-iron construction with ductile iron impeller and wear plate.
- Solids handling capabilities to 3" (75mm). Will handle a variety of materials.
- Exclusive Rainbow continuous priming system designed with simplicity in mind.
- Dry run capabilities with double oil pump seal.
- Available with skid mount integral fuel tank in 100 gallon or 130 gallon capacity and industrial strength off road or highway DOT trailer.
- Available in a variety of diesel engine options.
- Available with many accessory options including AutoStart controllers.
- Sold and serviced by Rainbow's extensive dealer network established over four decades of pump manufacturing.

## Specifications

Unit Models	RBR6412D	RBR6412T
<b>Size:</b>	6" x 4" (150mm x 100mm)	6" x 4" (150mm x 100mm)
<b>Max. GPM:</b>	1500 (94.6lps)	1500 (94.6lps)
<b>Max. Head:</b>	175' (53.4m)	225' (68.7m)
<b>Max Solids:</b>	3" (76.2mm)	3" (76.2mm)
<b>Pump Casing:</b>	Grey Iron No. 30	Grey Iron No. 30
<b>Impeller:</b>	Open Type, three vane ductile iron	Open Type, three vane ductile iron
<b>Seal:</b>	Double oil-lubricated	Double oil-lubricated
<b>Engine:</b>	John Deere 40451 4 cylinder, 4 cycle Liquid-cooled diesel	John Deere 4045D 4 cylinder turbo charged Liquid cooled diesel
<b>Fuel Tank:</b>	100 or 130 U.S. Gals. (278.5 or 492 liters)	100 or 130 U.S. Gals. (278.5 or 492 liters)

**Priming Feature:** Direct mounting vacuum priming compressor

**Optional Equipment:** Liquid ends with various materials, Cabinet enclosure, 6 ft. or 8 ft. Industrial skid, off-highway or on-highway DOT Trailer, Suction and discharge hoses and accessories

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# Industrial Pumping Units



**R-Series Unit**

Trailer Mount with 8' Tank - 130G



**Skid Mount Dewatering Unit**

6 x 6 with 8' Tank - 130G



**Municipal Wastewater**

Sarasota County, FL



**High Pressure Booster Pump**

Auto Start



**Trailer Mount Slurry Pump**



**Dewatering Unit**

12 x 10



**Electric Driven Slurry Pump**



**Mobile Dewatering Unit**

10 x 10



**Mobile Dewatering Unit**

4 x 4



**Mobile Fire Pump**



**Municipal Wastewater**

Brevard County, FL



**PVS Industrial Vacuum System**

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