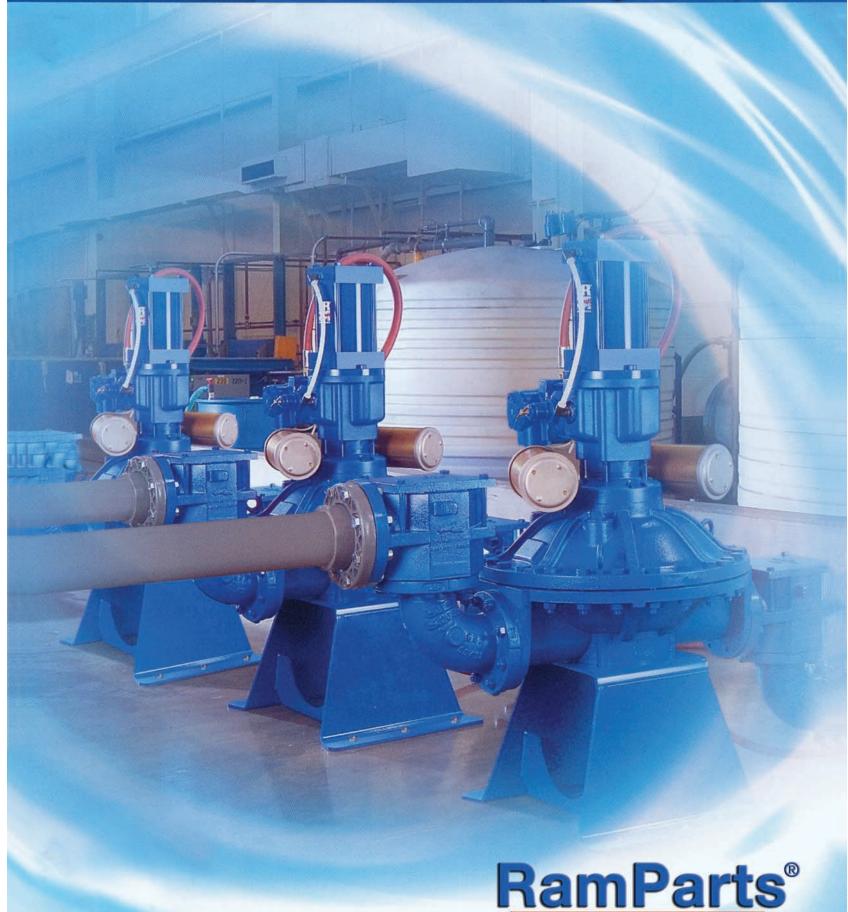
Diaphragm Pumps



RamParts® Pumps



RUGGED

Designed for Handling Heavy Sludges and Slurries

The rugged construction and extra-thick pump casing of RamParts air-driven diaphragm pumps stand up to the abuses of the most demanding sludge and slurry applications.

They overcome the "high-wear" problem commonly found in double diaphragm and progressive cavity pumps.

Air-driven diaphragm pumps are capable of operating dry on suction lifts up to 20 feet (6.5 m) and handling liquids with solids contents up to approximately 70%. Depending on pump model, they will pass up to

3" (76 mm) diameter spherical solids. (Solids size is determined by check valve type.)

Pump stroke rate, discharge stroke time, suction drive pressure and discharge drive pressure can all be adjusted independently. Pumps will easily handle heavy sludges at their rate of accumulation in clarifiers and settling basins.

When it comes to handling heavy sludges and slurries, there's only one name you need to know—RamParts.

RAMPARTS®

Typical Applications

Alcohol Plants Foundries

Auto Plants Glass Plants

Battery Recyclers Meat Processing Plants

Cement Plants Mining
Chemical Plants Paper Mills

Distilleries/Breweries/Wineries Plating Plants

Commercial Laundries Potable Water Treatment

Food Processing Wastes Power Plants

Refineries Wire Manufacturers

Railroad Yards Waste Activated Sludge (WAS)

Sand & Gravel Plants Return Activated Sludge (RAS)

Soap Manufacturing Ceramic Slip

Steel Mills/Iron Works Vitreous China Plants

Tanneries

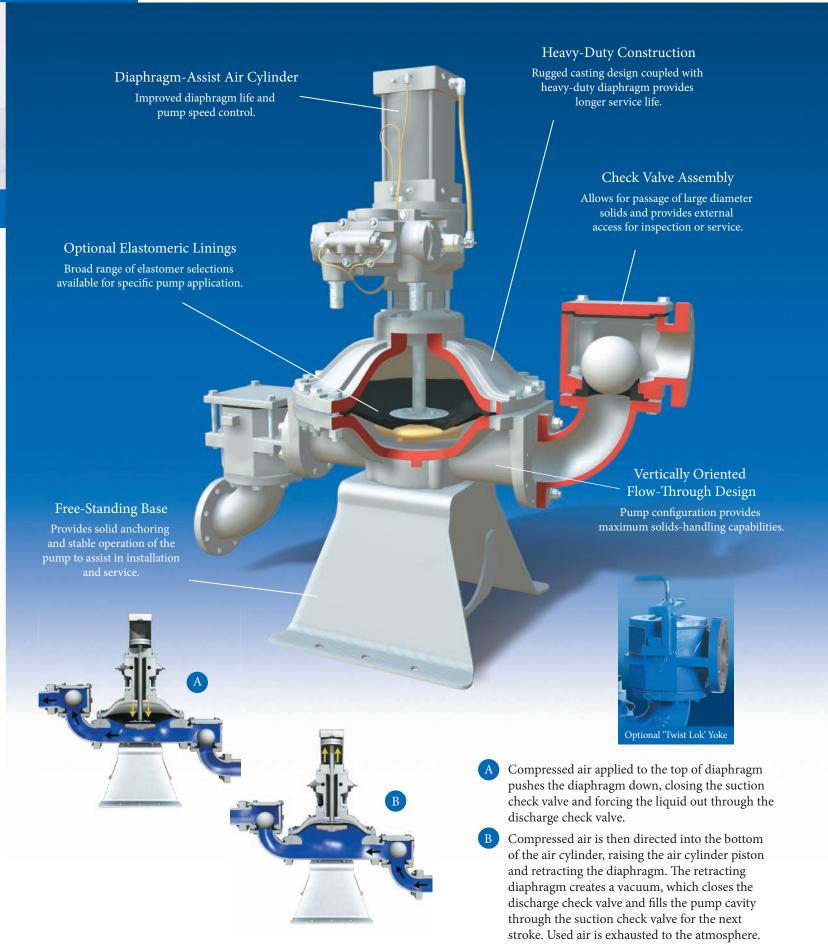
Textile Mills

Municipal Wastewater



RAMPARTS®

Heavy-Duty Construction for Longer Life and Better Performance



Choose from Nine High Performance Models

MODEL	DISCHARGE SIZE	TYPICAL FLOW RANGE*	TYPICAL DISCHARGE HEAD*	TYPICAL STROKES PER MINUTE*	MAX. SOLIDS
15-IC / 15P	1½" (40 mm)	1-15 gpm (0.06-0.95 lps)	20'-150' (6 m - 40 m)	2-30	1" (25.4 mm)
20-IC / 20P	2" (50 mm)	3-37 gpm (0.19-2.3 lps)	20'-150' (6 m - 40 m)	2-30	1" (25.4 mm)
30-IC	3" (75 mm)	6-75 gpm (0.38-4.73 lps)	20'-150' (6 m - 40 m)	2-30	1 ¹ / ₈ " (28.6 mm)
30P	3" (75 mm)	10 – 125 gpm (0.63 – 7.9 lps)	20'-150' (6 m - 40 m)	2-30	1 ¹ / ₈ " (28.6 mm)
40-IC / 40P	4" (100 mm)	15-145 gpm (0.95-9.1 lps)	20'-150' (6 m - 40 m)	2-30	1 ¹ / ₈ " (28.6 mm)
60P	6" (150 mm) *Maximum flow, head and s	20-315 gpm (1.26-19.9 lps)	20'-150' $(6 m - 40 m)$ s. Consult factory for specific inform	2 – 30 mation.	2 ¹ / ₂ " (63.5 mm)

Efficient Air Cylinder Design

Both the iPC™ and the P. Series of RAMPARTS A.D.D. pump designs incorporate this feature. The diaphragm-assist air cylinder offers virtually no resistance as the pump moves through its discharge stroke. Competitive pumps utilize a spring-assist design that requires more energy to operate the pump.

RAMPARTS A.D.D. pumps offer longer diaphragm life and reduced air consumption as a result of this design.

Air-driven diaphragm pumps have no close tolerance assemblies, so maintenance and service are minimal.

> RAMPARTS A.D.D. pumps employ externally accessible check valve assemblies. Both the bolted and 'twist lok handle/yoke' designs allow check valves to be quickly and easily inspected, cleaned or serviced.

Rugged Construction

With their rugged ductile iron bolted castings, standard RAMPARTS A.D.D. Pumps can handle mildly corrosive and abrasive applications with ease. A wide range of elastomers linings is available for more extreme applications.

Service and Repair Features

Solids-Handling Design

In most applications, RAMPARTS A.D.D. pumps can be easily serviced in-line using simple hand tools and techniques.

The vertical orientation of

the pump diaphragm and the flow-through layout of the check valve and pump body allow for handling concentrated slurries and sludge as well as large solids. The design has been proved superior to conventional pump designs RAMPARTS A.D.D. pumps compete against.

RAMPARTS A.D.D. pumps utilize many common components, reducing parts inventory costs as compared with competitive diaphragm pumps. Their maintenance-friendly design allows service to be performed by one person in most applications.

Product information is subject to change; consult factory for details.



4855 Broadmoor Ave. - Kentwood, MI. 49512 - Ph. 616.656-2250 Fax 616.656-2255