



# DEAN

## FULL LINE BULLETIN

Since 1869, Dean Pumps have delivered proven performance in high-temperature and demanding industrial environments. Trusted across petrochemical, power, mining, pharmaceutical, and food processing industries, Dean's legacy is built on over 150 years of engineering excellence.

Manufactured in the USA and supported globally, Dean is the smart choice for operations that demand reliability and innovation. As the industry leader in air-cooled pump technology, Dean minimizes environmental waste and system complexity while maximizing efficiency. Its broad portfolio includes space-saving vertical pumps—ideal for compact installations—alongside a full range of solutions designed to meet the toughest industrial challenges.



## MARKETS

- Battery
- Biofuels/Renewable Energy
- Boiler Service
- Chemical Process
- Cooling Water
- Electric Utilities
- Food Processing
- Mining
- Pharmaceutical
- Plastics & Rubber Products
- Power Plants
- Pulp & Paper
- Refinery & Petrochemical
- Semiconductor & Electronics
- Textiles
- Wastewater

# ANSI DESIGN CHEMICAL PROCESS PUMPS

## PH SERIES HORIZONTAL ANSI PUMPS

PH Series Pumps meet ANSI/ASME B73.1 standards and are available in a range of materials including ductile iron, 316SS, CD4MCu, and Alloy 20, with higher-grade alloys like Hastelloy and titanium available upon request. 28 sizes with capacities to 3200 GPM (726 m<sup>3</sup>/hr), heads to 800 feet (245 m), temperatures to 500°F (260°C), and pressures to 375 PSIG (2585 kPa).



## PHP SERIES SELF-PRIMING PUMPS

These pumps feature excellent priming times, maximum interchangeability with the PH Horizontal ANSI Pumps, suction lifts up to 20 feet (6.1 m), and are available in ductile iron or 316SS. Five sizes with capacities to 700 GPM (160 m<sup>3</sup>/hr), heads to 400 feet (120 m), temperatures to 500°F (260°C), and pressures to 275 PSIG (1896 kPa).



## SERIES M300 MAGNETICALLY COUPLED PUMPS

The M300 magnetically coupled pumps feature a sealless, leak-free design with high corrosion resistance and are available in ductile iron, 316SS, and Hastelloy-C. 12 sizes with capacities to 1200 GPM (270 m<sup>3</sup>/hr), heads to 475 feet (145 m), temperatures to 350°F (177°C), and pressures to 275 PSIG (1896 kPa).





# AIR-COOLED HIGH TEMPERATURE PROCESS PUMPS

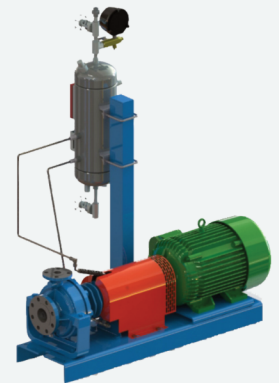
## RA SERIES AIR-COOLED THERMAL LIQUID PUMPS

RA Series Pumps are a cost-effective solution for hot oil and heat transfer applications. Their air-cooled design, featuring a shaft-mounted fan and cooling fins, eliminates the need for external water cooling for bearings and seals. Available in ductile iron, RA Series Pumps come in 27 sizes with capacities to 6000 GPM (1363 m<sup>3</sup>/hr), heads to 425 feet (130 m), temperatures to 650°F (343°C), and pressures to 350 PSIG (2413 kPa).



## RTA SERIES AIR-COOLED THERMAL LIQUID PUMPS

The RTA Series combines the proven reliability and low operating cost of the RA Series with the added safety and environmental benefits of a tandem seal design that supports EPA compliance and leak detection regulations. Nine sizes with capacities to 1100 GPM (250 m<sup>3</sup>/hr), heads to 425 feet (130 m), temperatures to 650°F (343°C), and pressures to 350 PSIG (2413 kPa).



## RWA SERIES AIR-COOLED HOT WATER PUMPS

Built for hot water and glycol-based fluids in boiler feed, HVAC, and heat transfer systems, the RWA Series features an air-cooled design with a shaft-mounted fan that eliminates the need for external water cooling. Available in ductile iron and 13 sizes, with capacities to 1100 GPM (250 m<sup>3</sup>/hr), heads to 425 feet (130 m), temperatures to 400°F (205°C), and pressures to 450 PSIG (3100 kPa).



## RMA5000 SERIES AIR-COOLED MAG DRIVE PUMPS

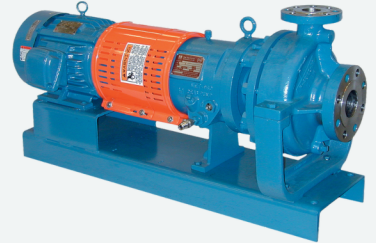
The RMA5000 Series offers a sealless, air-cooled design that enhances safety, reduces maintenance, and supports EPA compliance. Constructed from steel, the RMA5000 Series is available in 17 sizes with capacities to 1200 GPM (270 m<sup>3</sup>/hr), heads to 600 feet (180 m), temperatures to 750°F (400°C), and pressures to 300 PSIG (2068 kPa).



# HEAVY DUTY HIGH TEMPERATURE PROCESS PUMPS

## R4000 SERIES HEAVY DUTY PROCESS PUMPS

R4000 Series Pumps are widely recognized for their reliability in high-temperature heat transfer applications. These heavy-duty, centerline-supported pumps are engineered for demanding chemical, petrochemical, and refinery operations, and are available in steel or 316SS construction. 27 sizes with capacities to 6500 GPM (1476 m<sup>3</sup>/hr), heads to 800 feet (244 m), temperatures to 850°F (455°C), and pressures to 500 PSIG (3447 kPa).



## R5000 SERIES HEAVY DUTY PROCESS PUMPS

The R5000 Series features chemical, petrochemical, and refinery-style process pumps built to API 610, Fifth Edition specifications. Key features include heavy-duty centerline support, along with either a large taper bore seal cavity or a jacketed cylindrical stuffing box. Available in steel or 316SS construction, the R5000 Series offers 27 sizes with capacities to 6500 GPM (1476 m<sup>3</sup>/hr), heads to 800 feet (244 m), temperatures to 850°F (455°C), and pressures to 500 PSIG (3447 kPa).



# DEANLINE VERTICAL INLINE PROCESS PUMPS

## DEANLINE SERIES CHEMICAL PROCESS INLINE PUMPS

DeanLine Series Pumps are ideal for process plant applications with capacities and heads below ANSI AA and AB sizes. Standard features include an open impeller with an integral seal and an electric motor. An optional motor configuration is also available. DeanLine Series Pumps are available in cast iron or 316SS construction, with two sizes offering capacities to 95 GPM (22 m<sup>3</sup>/hr), heads to 130 feet (39 m), temperatures to 220°F (104°C), and pressures to 100 PSIG (689 kPa).





# VERTICAL INLINE PROCESS PUMPS

## CNV SERIES INLINE PROCESS PUMPS

CNV Series Pumps are vertical inline, close-coupled chemical process pumps featuring an open drip-proof JMV frame motor with an extended shaft for fast availability, a space-saving design, and a fully open impeller. They are available in ductile iron and 316SS construction. Six sizes with capacities to 700 GPM (160 m<sup>3</sup>/hr), heads to 550 feet (167 m), temperatures to 220°F (104°C), and pressures to 275 PSIG (1896 kPa).



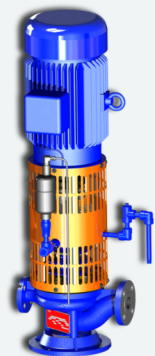
## DL SERIES HIGH TEMPERATURE PROCESS INLINE PUMPS

DL Series Pumps are excellent for high-temperature chemical process applications. They feature a space-saving design, a fully open impeller, and are available in ductile iron or 316SS. Seven sizes with capacities to 800 GPM (182 m<sup>3</sup>/hr), heads to 550 feet (167 m), temperatures to 550°F (288°C), and pressures to 275 PSIG (1896 kPa).



## RAV SERIES AIR-COOLED THERMAL LIQUID PUMPS

The RAV Series offers the same design benefits as the RA Series, but in a vertical configuration. These pumps feature a shaft-mounted fan that provides airflow over the cooling fins. Available in ductile iron and six sizes, with capacities to 360 GPM (82 m<sup>3</sup>/hr), heads to 320 feet (98 m), temperatures to 650°F (343°C), and pressures to 250 PSIG (1724 kPa).



## RWAV SERIES AIR-COOLED HOT WATER PUMPS

The RWAV Series shares the same design benefits as the RWA Series, but in a vertical layout. It includes a shaft-mounted fan for cooling and is available in ductile iron. Six sizes with capacities to 360 GPM (82 m<sup>3</sup>/hr), heads to 320 feet (98 m), temperatures to 400°F (205°C), and pressures to 450 PSIG (3100 kPa).



# AUTHORIZED SERVICE CENTERS

Tusk Industrial's Authorized Service Center (ASC) program offers unparalleled value for Dean and Fybroc customers. By partnering with an ASC, customers gain access to OEM-certified parts and specialized maintenance services that ensure peak performance and reliability. Each ASC is staffed with factory-trained technicians who provide troubleshooting, startup assistance, and repair services—helping reduce downtime, extend equipment lifespan, and enhance operational efficiency.

## ADVANTAGES OF PARTNERING WITH AN ASC

### UNMATCHED EXPERTISE AND CERTIFICATION

Certified and factory-trained, ASC technicians deliver expert service and repairs for all Dean and Fybroc pumps—ensuring peak performance, reliability, and peace of mind.

### RELIABLE SERVICE, GUARANTEED

The ASC program includes a comprehensive 1-year warranty covering both parts and labor. All service work is performed by certified ASC technicians, with Tusk Industrial supplying genuine OEM parts—guaranteeing exceptional service quality, equipment reliability, and long-term performance.

### 24/7 SPECIALIZED SUPPORT

ASCs provide 24/7 expert support to minimize downtime and keep your operations running smoothly—ultimately saving you time and money.

**TO FIND AN AUTHORIZED SERVICE  
CENTER NEAR YOU SCAN HERE!**

