

NM 3171

Non-Metallic Vertical Process Pump



NM 3171

Non-Metallic Vertical Sump Designed for Severe Corrosive Services

- Capacities to 1250 GPM (284 m³/h)
- Heads to 300 feet (92 m)
- Temperatures to 200° F (79° C)
- Pit Depths to 16 feet (5 m)

Design Features

- Cost effective alternative to high alloys
- Corrosion Resistant Rulon® column bearings
- Casing and impeller molded with high strength, corrosion resistant GMP-2000*
- Casing and impeller interchangeable with Goulds Model NM 3196
- Rugged double row thrust bearing
- Thrust bearing sealed against external contamination
- Heavy duty one-piece solid shaft
- External impeller adjustment

Services

Chemical / Petrochemical

Waste acid, hydrochloric acid, sodium hydroxide, ferric chloride, sulfuric acid, spinfinish wastes

Utility

Coal pile runoff, sea water, demineralized water

Metal Finishing

Spent pickling solutions, electroplating rinses, Nickel plating baths

General

Industrial process; deionized water, pollution control, sump services



® Rulon is a registered trademark of Dixon Industries Corp
* Proprietary molding process / material GMP-2000

NM 3171 Design Features for Severe Corrosive Services

STANDARD NORMAL THRUST MOTORS

P-base, C-Face, IEC.

NON-SPACER FLEXIBLE COUPLING

SEALED, SELF-CONTAINED THRUST BEARING ASSEMBLY

Sealed at both ends to protect bearing from corrosive vapors.

DOUBLE ROW THRUST BEARING

Greased for life – standard.

HEAVY DUTY FRP MOUNTING PLATE

VAPOR SEAL CONSTRUCTION

Teflon™ U-cup seal assures product vapors are contained in column.

OVERSIZED SHAFT

Available in 316 stainless steel, Alloy 20, Hastelloy B & C, Titanium.

HIGH STRENGTH FRP COLUMN PIPE

CORROSION RESISTANT RULON® BEARINGS

Designed specifically for non-metallic pump services.

HIGH PERFORMANCE VOLUTE DESIGN

High efficiency, true volute design achieved by exclusive Greg Molding Process.

POSITIVE LIQUID SEALING AT IMPELLER

Corrosion resistant Viton O-ring protects threaded area against corrosion.

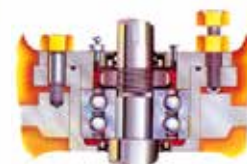
EXTERNAL IMPELLER ADJUSTMENT

Original high efficiency maintained by simple adjustment.

NO ALIGNMENT REQUIRED

Precision rabbeted fits assure shaft alignment.

150 LB FRP DISCHARGE FLANGE



Regreasable Option

FULLY OPEN IMPELLER

Best design for CPI services. Duplicates Model NM 3196 hydraulic performance.

OPTIONAL FRP TAILPIPE

Available in lengths to 6 feet.

SUCTION BELL AND STRAINER

Supplied as standard.

Patented Bearing Oil Filtration

Our patented bearing oil filtration capability is unique in the pump industry.

An oil filter is located in the bearing housing of self-contained oil lubricated configurations, removing debris and moisture during operation, maintaining the cleanliness of the oil. Doing so provides clean lubrication to lower bearing temperatures and bearing wear which increases bearing life whilst increasing the time between oil changes.

The design allows for easy filter changeover which can be done when the pump is running – no need to stop the process.

Remote locations and arduous environments, the
Goulds Model 3600i is built to handle the most
challenging services.

Hydraulic Coverage

Hydraulic Coverage 50 and 60 Hz

