



A typical picture of the pump is shown. Please contact Gemstone Pump Company for further details. All information is approximate and for general guidance only.

AVAILABLE MOUNTING CONFIGURATIONS

4NMPP-F5K FRAME MOUNT
4NMPP-F16K FRAME MOUNT

OPERATING LEVELS

MIN FLOW	100 GPM	22.7 m ³ /h
MAX FLOW	825 GPM	189.3 m ³ /h
DISCHARGE SIZE	4"	102mm
SUCTION SIZE	4"	102mm
SOLIDS HANDLING	2.94" x 4.0"	75mm x 102mm
MAX SPEED	1800 RPM	1800 RPM
SHUT-OFF HEAD	95'	29 m
BEP HEAD	47'	14.3 m
BEP FLOW	630 GPM	143 m ³ /h
BEP PERCENT	71%	71%

PARTS	STANDARD MATERIAL (FOOD PUMPS)
WEAR RING	CAST IRON
IMPELLER	304 STAINLESS STEEL
VOLUTE	DUCTILE IRON ASTM A536
SHAFT	STRESSPROOF STEEL
SHAFT SLEEVE	303 SS STAINLESS STEEL
SEAL HOUSING	DUCTILE IRON ASTM A536
SEAL	FOOD GRADE PACKING
BEARING FRAME	CAST IRON ASTM A48

The 4NMPP pump is designed with Gemstone's renowned quality and durability. It features a 4" discharge and a 4" suction with an offset volute and enclosed, single-port impeller. Gemstone's patented Cycloseal® design is optional, with a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Also available with food-grade packing. Bearings are heavy-duty, oil or grease lubricated, deep groove ball bearings with a minimum of 50,000 hours bearing life.

- Offset Volute Design - passes food through the center of discharge without contacting the volute wall
- Single port impeller for handling whole or processed foods
- Available with Food grade packing (Standard) or Cycloseal
- Standard with Ductile iron wet end and a 304SS impeller
- Optional Run-Dry lubrication system





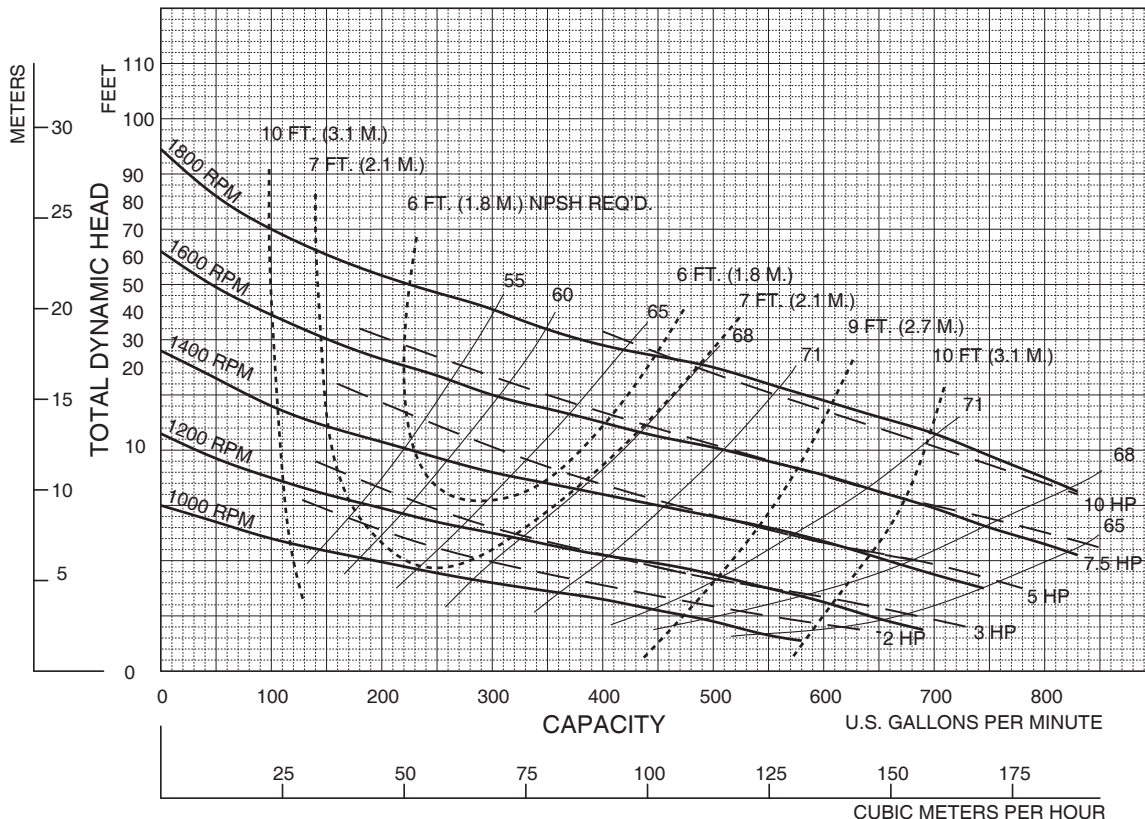
4NMPP

NEW PAGE

Feet x .305 = Meters
 Inches x 25.4 = Millimeters
 GPM x .227 = Cubic Meters/Hour
 GPM x 3.785 = Liters/Minute
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	No. vanes
VARIOUS	9"	ENCLOSED	2.94"x4.0"	2540	4"	4"	1

SINGLE VOLUTE MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclo Seal.[™] Other mounting styles or liquids may require horsepower and/or performance adjustments.

6/99

4NMPPVA

Gemstone Pump Company

4NMPP - VARIOUS RPM