

# IOW 345 N1/K1 Pump

Magnaline



Data sheet



**IOW** Group

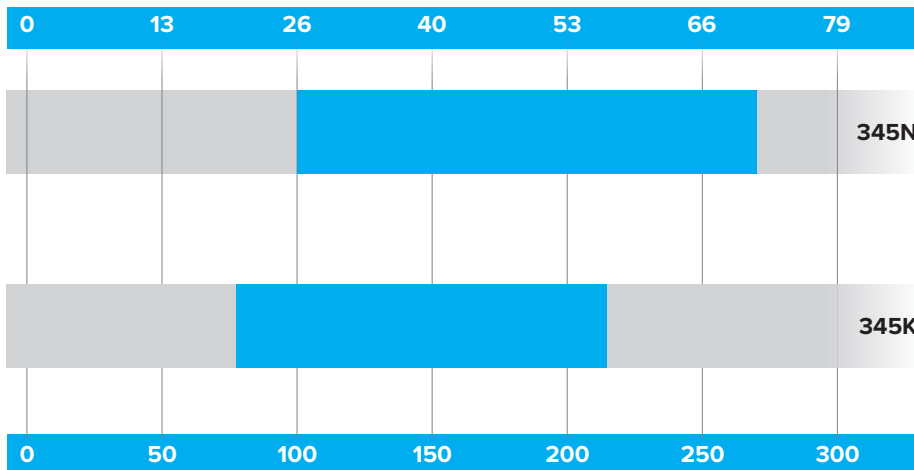
# IOW 345 N1/K1 Pump



- ◆ IOW 345 N1/K1 has a flow volume of 80 - 270 l/min (21 - 71 gpm)
- ◆ Max differential pressure 16 Bar (232 psi)
- ◆ Pump connected to electric motor using a magnetic coupling, meaning there is no mechanical contact between pump and motor, and pumped liquid is fully enclosed within the pump
- ◆ Pressure relief valve installed internally to protect the pump
- ◆ 5 different strengths of magnetic coupling available, depending on the viscosity of liquid to be pumped
- ◆ Connections for steam tracing to heat the pumped liquid up and reduce viscosity

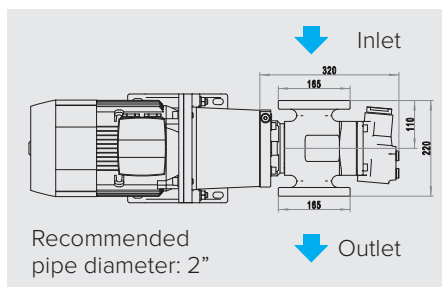
- ◆ 2 rotor leads available, depending on performance required
- ◆ Fluid viscosity: 1.4—1500 cSt.
- ◆ Fluid temperature: -20 to +180°C (-4 to +356°F)
- ◆ Max RPM: 3600

## US Gallons per minute



## Litres per minute

Coupling	N m	lb ft
A	10	7
B	20	15
C	30	22
D	40	30
E	60	44



## Advantages

- ◆ Designed to endure a long, problem free operation
- ◆ Self lubricating
- ◆ Can be used for a number of different liquids
- ◆ Can be approved to a number of classification societies
- ◆ Pumped liquid is fully enclosed
- ◆ Same day dispatch on spares
- ◆ Environmentally friendly
- ◆ Use of an angle bracket aids mounting
- ◆ Can be mounted horizontally or vertically

## Applications

- ◆ Supplying fuel and lubrication to diesel engines
- ◆ Transferring oil in refineries, tank farms and on board ships
- ◆ Used by big machines, hydraulic systems and transformer oils
- ◆ Used for lubrication of gears, hydro turbines, turbines powered by steam or gas and paper machines

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