

# IOW 038 K1/N1/D1 Pump

Magnaline



Data sheet



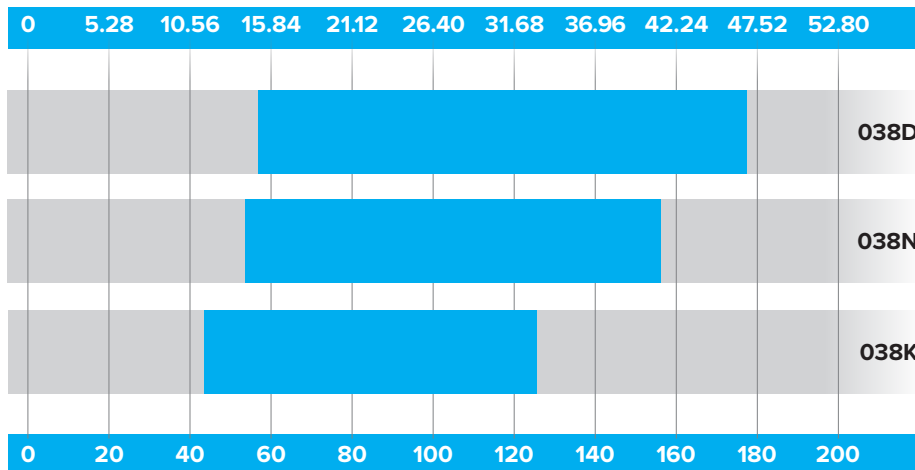
**IOW** Group

# IOW 038 K1/N1/D1 Pump



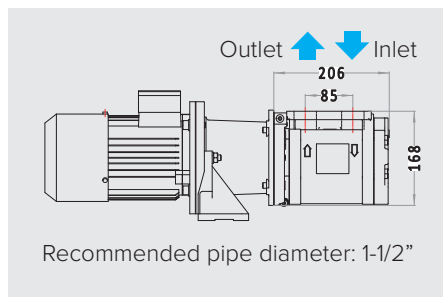
- ◆ IOW 038 K1/N1/D1 has a flow volume of 44.3 - 176.9 l/min (11.7 - 46.7 gpm)
- ◆ Max differential pressure 16 Bar (232 psi)
- ◆ Pump connected to electric motor using a magnetic coupling, meaning there is no mechanical contact between pump and motor, and pumped liquid is fully enclosed within the pump.
- ◆ Pressure relief valve installed internally to protect the pump
- ◆ 3 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
- ◆ 3 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
B	14	10
C	22	16
D	30	22



038D	RPM	LPM	GPM	kW
	1470	57.6	15.2	1.3
	1770	74.8	19.8	1.6
	2950	143.9	38.0	3.4
	3550	176.9	46.7	4.3
038N	RPM	LPM	GPM	kW
	1470	54	14.3	1.2
	1770	69	18.2	1.5
	2950	127.2	33.6	3.2
	3550	157	41.5	4.1
038K	RPM	LPM	GPM	kW
	1470	44.3	11.7	1.3
	1770	57.1	15.1	1.6
	2950	101.6	26.8	3.4
	3550	124.8	33.0	4.3

NOTE: RPM = Rev per minute LPM = Litres per minute, GPM = US Gallons per minute, kW = Kilowatts

## 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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