

BLAGDON PUMP



IDEX
IDEX CORPORATION

Conductive Polypropylene Range

Reduce
down-time
with our
immediate
availability
of spares.

Confidence
of delivery
in excess of
99%
on-time.

Flexible design
and production
meets our
customer's
exacting
standards.

High quality
products with
certification to
EHEDG, ATEX, ISO.

Worldwide
technical
representation for
customer's
support.



CONDUCTIVE POLYPROPYLENE RANGE for safe and efficient handling of fluids in CHEMICAL and PHARMACEUTICAL applications

for more information, visit our website...

www.blagdonpump.com

The one company that will deliver highly engineered fluid moving solutions
and service in niche markets and extreme condition environments

The new Blagdon Conductive Polypropylene range of pumps

The BLAGDON CONDUCTIVE RANGE is a safeguard against potentially hazardous build up of electro-static charge which can ignite from invisible vapours in the air. Not only is down-time a real issue but more importantly safety can be compromised.

Since 2003 it has been mandatory for all new equipment to be used in explosive atmospheres to comply with the EU directive 94/9/EC otherwise known as the ATEX Directive. It has been necessary for Blagdon to develop a new range of pumps to comply with this directive, and this latest release includes groundable versions of the three main polypropylene models, B15, B25 & B50.

Traditionally Acetal was the only groundable plastic that was commercially viable. This did not provide the range of applications and uses of the more common Polypropylene models, but with the latter being an insulator rather than a conductor, polypropylene was not safe for use in hazardous areas.

These new models provide the safety of groundable Acetal but with the chemical compatibility of Polypropylene. This means that many previously unavailable hazardous duties and areas are now open to Blagdon's range of products. This new material will safely prevent the pumps electro-static build-up by conducting away any charge through a groundable earthing connection. This controlled feature makes the transfer and supply of potentially flammable products such as solvents, inks, lacquers and a wide range of chemicals, safe from the hazards of static sparking.

The bar chart below shows the degree to which this new material complies with the ATEX directive. Tests have been carried out by a Notified Body to determine the suitability of the material. These tests showed the conductivity to be well in excess of the stated requirements, these included surface resistance tests and also mechanical strength tests conducted at both minimum and maximum temperatures of use for the material.

With no additional weight and no dimensional changes, these new pumps will give several benefits, including spares interchangeability for existing customers and the minimum of disruption during any change overs. This will increase Blagdon's population at existing installations and also encourage usage for customers to any new installation.

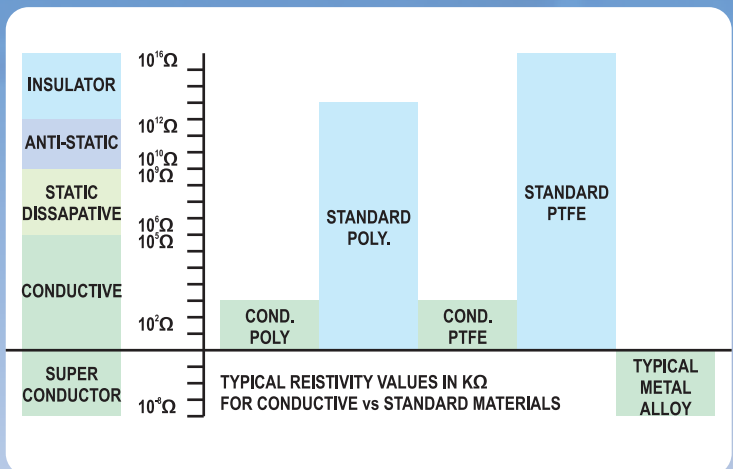
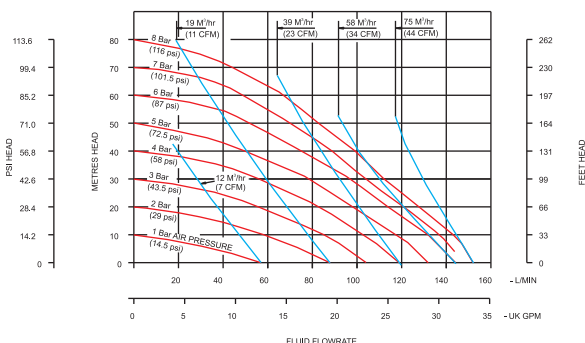
TECHNICAL INFORMATION - SPECIFICATION Based on 1" Polypropylene

TECHNICAL DATA

| | | | |
|----------------------------------|-------------------|------------------------------|-----------------------|
| Maximum Delivery: | 152 Litres/min | Accessories Included: | Exhaust Air Silencer |
| Max. Working Pressure: | 8.0 Bar (116 psi) | Shipping Weight: | 13.5 kg |
| Max. Solid Particle Size: | 3 mm (1/8") | Shipping Dimensions: | 440mm x 260mm x 470mm |
| Air Inlet: | 3/8" BSP(F) | Fluid Inlet/Outlet | 1"ANSI / DIN 25 |
| Suction Lift (Dry): | 4.6 M (15') | Temperature Limits: | Minimum 0°C (32°F) |
| Suction Lift (Wet): | 6 M (20') | | Maximum 70°C (158°F) |

| FLUID CONNECTIONS | CAPACITY | MAX SOLIDS | MAX DISCHARGE HEAD | DISPLACEMENT/STROKE |
|-------------------|---|-------------|--------------------|----------------------------------|
| 1" ANSI / DIN 25 | 0 - 152 Litres/Minute (0 - 333 Gallons/Minute) | 3 mm (1/8") | 80 Metres (262 ft) | 0.475 Litres (0.1 UK Gallons) |

PERFORMANCE CURVE



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