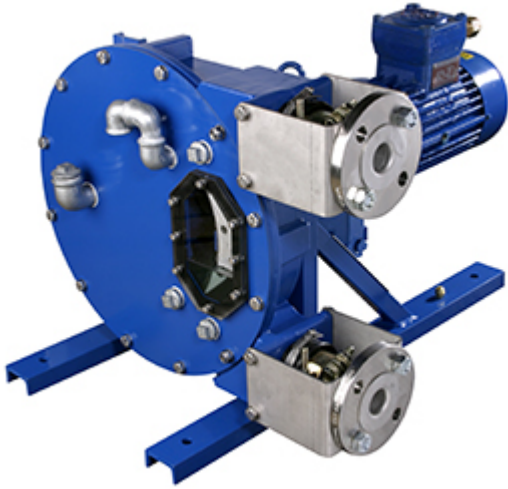


Abaque Pumps



Abaque® Series peristaltic hose pumps are manufactured and shipped from the Pump Solutions Group (PSG®) facility in North Wales, Pennsylvania. Abaque Series pumps feature a seal-less design that eliminates leaks and product contamination, and have the ability to run dry continuously without adversely affecting the pump's performance.

Features & Benefits:

- Excellent self-priming
- Capable of running in forward or reverse
- Solid construction and advanced design results in reduced maintenance and repairs
- Handles your toughest pumping needs from abrasive and aggressive fluids to sheer sensitive and viscous materials

Technical Data:

- Sizes: 10 mm to 125 mm (3/8 in to 5 in)*
- ANSI or barbed connections
- Stainless steel hose inserts (standard)
- Ductile iron non-wetted components
- *Consult factory for larger sizes

Performance Data:

- Max. flow: .015 to 48 m³/h (.07 to 211 gpm)
- Max. discharge pressure: 15 bar (217 psi)
- Max. suction lift: 9 m (29.5 ft) of water
- Viscosity range: from water-like to beyond 60,000 cPs
- Transfers solid particles of 1.5 to 18 mm (0.06 to 0.7 in)
- Moves soft particle sizes of 1.5 to 31 mm (0.06 to 1.2 in)

Options:

- Non-metallic insert (PPH, PVDF)

Hose Options:

- Natural Rubber (NR): Highly resilient with excellent abrasion resistance and strength. Generally resistant to diluted acids and alcohols. Suitable for temperatures from -17°C to 70°C (0°F to 158°F).
- Nitrile Buna Rubber (NBR): Highly wear resistant to oily products. Suitable for temperatures from -17°C to 70°C (0°F to 158°F).
- Ethyl Propylene Rubber (EPDM): High chemical resistance, especially with concentrated acids, alcohols and ketones. Suitable for temperatures from -17°C to 80°C (0°F to 176°F).
- Hose-failure detectors
- Vacuum kits

Markets:

- Oil & Gas
- Soap & Detergents
- Chemical
- Industrial Water/Wastewater Treatment
- Municipal Water/Wastewater Treatment
- Paint & Coatings
- Mining

Abaque Products

ABN10

Hose I.D: 10 mm (3/8")

Flow Rates: 0.015 - 0.135 m³/hr
(0.07 – 0.59 gpm)

Max. Discharge Pressure: 8 bar (116 psi)

Connection Type: 16 mm (5/8") hose barb

Weight: 15 kg (33 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#) [1103-A00](#)

[Parts List](#) [1103-A01](#)

[Specifications](#) [1103-001](#)

[Performance Curves](#) [1103-021](#)

[Materials of Construction \(MOC\)](#) [1103-091](#)

[Material Compatibility](#) [1103-200](#)

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ABN20

Hose I.D: 20 mm (3/4")

Flow Rates: 0.08 – 0.75 m³/hr
(0.37 – 3.30 gpm)

Max. Discharge Pressure: 8 bar (116 psi)

Connection Type: 25 mm (1") hose barb

Weight: 26 kg (49 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#) [1103-A00](#)

[Parts List](#) [1103-A02](#)

[Specifications](#) [1103-001](#)

[Performance Curves](#) [1103-023](#)

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ABN25

Hose I.D: 25 mm (1")

Flow Rates: 0.017 - 2.33 m³/hr

(0.73 – 10.27 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 25 mm (1") ANSI Class 150 Flange

Weight: 56 kg (110 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#) [1103-B00](#)

[Parts List](#) [1103-B01](#)

[Specifications](#) [1103-001](#)

[Performance Curves](#) [1103-025](#)

[Materials of Construction \(MOC\)](#) [1103-091](#)

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ABN40

Hose I.D: 40 mm (1-1/2")

Flow Rates: 0.52 – 7.23 m³/hr

(2.3 – 31.8 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 40 mm (1-1/2") ANSI Class 150 Flange

Weight: 102 kg (198 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#) [1103-B00](#)

[Parts List](#) [1103-B02](#)

[Specifications](#) [1103-001](#)

[Performance Curves](#) [1103-027](#)

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ABNX40

Hose I.D: 40 mm (1-1/2")

Flow Rates: 0.8 – 9.6 m³/hr

(3.5 – 42.2 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 40 mm (1-1/2") ANSI Class 150 Flange

Weight: 130 kg (264 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#)

[1103-B00](#)

[Parts List](#)

[1103-B03](#)

[Specifications](#)

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[1103-029](#)

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ABN65

Hose I.D: 65 mm (2-1/2")

Flow Rates: 2.03 – 18.23 m³/hr

(8.9 – 80.2 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 65 mm (2-1/2") ANSI Class 150 Flange

Weight: 244 kg (506 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#)

[1103-B00](#)

[Parts List](#)

[1103-B04](#)

[Specifications](#)

[1103-001](#)

[Performance Curves](#)

[1103-031](#)

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ABNX80

Hose I.D: 80 mm (3-1/8")

Flow Rates: 5 – 32 m³/hr

(23.5 – 140.7 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 76 mm (3") ANSI Class 150 Flange

Weight: 457 kg (880 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#)

[1103-C00](#)

[Parts List](#)

[1103-C01](#)

[Specifications](#)

[1103-001](#)

[Performance Curves](#)

[1103-033](#)

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ABN80

Hose I.D: 80 mm (3-1/8")

Flow Rates: 6.5 – 39 m³/hr

(29 – 172 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 76 mm (3") ANSI Class 150 Flange

Weight: 790 kg (1,650 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#)

[1103-C00](#)

[Parts List](#)

[1103-C02](#)

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[1103-001](#)

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[1103-035](#)

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ABN100

Hose I.D: 100 mm (4")

Flow Rates: 12 – 48 m³/hr

(53 – 211 gpm)

Max. Discharge Pressure: 15 bar (217 psi)

Connection Type: 100 mm (4") ANSI Class 150 Flange

Weight: 963 kg (2,200 lbs)*

Literature

[Installation Operation Manual \(IOM\)](#)

[1103-C00](#)

[Parts List](#)

[1103-C03](#)

[Specifications](#)

[1103-001](#)

[Performance Curves](#)

[1103-037](#)

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