

Jason Suction Hose Datasheet

Rigid PVC helix suction hose from 3/4 inch to 16 inch for pump inlets that must not collapse.

- Founded in 2008, producing layflat hose in our own plant since 2010
- Exported to more than 50 countries
- Every manufacturing process complies with the ISO 9001 standard
- All layflat hose tested at 1.5 times working pressure for 2 hours before shipment
- Every hose carries a trace number for production date, operators and raw material source

All figures in this document are the published specifications of Taizhou Jason New Material Co., Ltd.. Working pressure, length, colour and coupling type are made to order. Confirm the final specification with our sales team before purchase.

12 Inch Suction Hose



The 12 inch suction hose is a DN300 rigid-helix PVC hose built for pump inlets that have to lift high volumes of water, slurry and debris-laden liquid without the wall collapsing. A rigid PVC helix is embedded in the wall so the bore stays round under negative pressure, while the smooth PVC lining keeps friction loss low across the full run. Standard supply is up to 10 m (100 ft) in orange, red or green, rated from -10°C to 70°C.

Specification	Value
Wall	High quality PVC
Reinforcement	Rigid PVC helix(polyester fabric as required)
Color	Orange, red, green or as required
Size	12 inch(DN300)
Length	up to 10m(100ft)
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Large size, Heavy duty, Durability, High abrasion resistance, Flexibility, High negative pressure, Smooth inner construction for unrestricted flow of materials.

Applications

Irrigation lines, pumps, rental and construction dewatering, suction and discharge, water suction – heavy duty.

10 Inch Suction Hose



The 10 inch suction hose is a DN250 PVC suction line for trash pumps and dewatering sets working in mud, flood water and abrasive slurry. The rigid PVC helix is bonded into the wall so the hose resists collapse on the inlet side, and lengths run up to 30 m (100 ft) so a pump can be sited well back from a soft bank. Temperature range is -10°C to 70°C.

Specification	Value
Wall	High quality PVC

Reinforcement	Rigid PVC helix(polyester fabric as required)
Color	Orange, red, green or as required
Size	10 inch(DN250)
Length	up to 30m(100ft)
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Large size, Heavy duty, Durability, High abrasion resistance, Flexibility, High negative pressure, Smooth inner construction for unrestricted flow of materials.

Applications

Irrigation lines, pumps, rental and construction dewatering, trash pumps, suction and discharge, water suction – heavy duty.

8 Inch Suction Hose



The 8 inch suction hose is a DN200 rigid-helix PVC hose sized for the most common heavy-duty pump on a construction or farm site. It is supplied in lengths up to 30 m (100 ft), carries a smooth bore for unrestricted flow and works from -10°C to 70°C. At DN200 it is the point where one operator can still handle the hose while moving serious volume.

Specification	Value
Wall	High quality PVC
Reinforcement	Rigid PVC helix(polyester fabric as required)
Color	Orange, red, green or as required
Size	8 inch(DN200)
Length	up to 30m(100ft)
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Large size, Heavy duty, Durability, High abrasion resistance, Flexibility, High negative pressure, Smooth inner construction for unrestricted flow of materials.

Applications

Irrigation lines, pumps, rental and construction dewatering, trash pumps, suction and discharge, water suction – heavy duty.

Fabric Reinforced Suction Hose



Fabric reinforced suction hose adds a polyester fabric layer to the rigid PVC helix, so the wall carries pressure on the discharge stroke as well as vacuum on the inlet. It is made from 3/4 inch up to 16 inch in lengths to 50 m (164 ft), in orange, and runs from -10°C to 70°C. The extra fabric layer is what lets one hose serve both sides of a pump.

Specification	Value
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Wall	High quality PVC
Reinforcement	Rigid PVC helix and polyester fabric
Color	Orange
Size	3/4 inch-16 inch
Length	up to 50m(164ft) or as required
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Durability, High abrasion resistance, Flexibility, Clear visual flow, Small bending radius, Smooth inner construction for unrestricted flow of materials.

Applications

Fish suction, irrigation lines, pumps, rental and construction dewatering, trash pumps, suction and discharge, water suction – heavy duty.

Clear Suction Hose



Clear suction hose is a transparent PVC hose with a rigid PVC helix, used where the operator needs to see what is moving through the line. It is made from 3/4 inch to 16 inch in lengths to 50 m (164 ft), weighs less than a heavy-duty opaque wall and works from -10°C to 70°C. Standard helix colours are white, red or yellow.

Specification	Value
Wall	High quality PVC
Reinforcement	Rigid PVC helix
Color	White, red, yellow or as required
Size	3/4 inch-16 inch
Length	up to 50m(164ft) or as required
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Clear, High abrasion resistance, Flexibility, Light weight, Small bending radius, Smooth inner construction for unrestricted flow of materials.

Applications

Irrigation in agriculture, feed delivery, sewage treatment, removal of small dust particles, fuel delivery, etc.

Green Suction Hose



Green suction hose is a rigid-helix PVC hose in a single high-visibility green, used for suction and delivery of liquids, powder and granules. It is produced from 3/4 inch to 16 inch in lengths to 50 m (164 ft) and runs from -10°C to 70°C. The colour is the point: on a busy site a green line is instantly separated from clean-water and slurry duty.

Specification	Value
Wall	High quality PVC
Reinforcement	Rigid PVC helix
Color	Green
Size	3/4 inch-16 inch
Length	up to 50m(164ft) or as required
Temperature	-10°C(14°F)-70°C(158 °F)

Features

High abrasion resistance, Flexibility, Light weight, Small bending radius, Smooth inner construction for unrestricted flow of materials.

Applications

For suction and delivery of liquids, powder, granules in industry, agriculture and construction.

Fire Suction Hose



Fire suction hose, also called hard suction hose, is the short rigid-helix PVC line an appliance uses to draft from a lake, river, tank or hydrant. It is made in 4, 5, 6 and 8 inch, in standard 2 m (6.6 ft) and 4 m (13.2 ft) lengths so it stows on the appliance, and is built for high negative pressure with low weight for a fast set-up. We supplied 200 pieces of 6 inch light fire suction hose to the Sichuan Provincial Fire Brigade for a timed fire competition.

Specification	Value
Wall	High quality PVC
Reinforcement	Rigid PVC helix
Color	Black, red, green or as required
Size	4, 5, 6, 8 inch
Length	2m (6.6ft), 4m (13.2ft) or as required
Temperature	-10°C(14°F)-70°C(158 °F)

Features

Light weight, Abrasion resistance, Corrosion resistance, Aging resistance, High negative pressure, Excellent flow rates.

Applications

Drawing water from lakes, rivers, or hydrants in fire fighting.