

## Description

The AMIX APP series industrial peristaltic hose pump (squeeze pump) consists mainly of pump house body, rotor, rollers, idle rollers, squeeze tube and driving unit.

The squeeze hose is U-shaped in the pump housing. When the rotor rotates, the roller pushes against and over the hose, which in turn is deformed. After the roller passes over the hose, the deformed hose recovers back to its original shape by its elasticity. This producer's negative pressure in the hose, creating a vacuum sucking up slurries, and discharging through the outlet, the roller's push the slurries out of the hose, which forms pressure, conveying the slurries down the pipeline or hose to required location or for specific grouting application.

## APP PERISTALTIC PUMPS

Handles aggressive, high-viscosity, and high-density products.



## The AMIX Advantage



### Simple Design

Self-priming, dry-running, and reversible. No metal-to-metal contact — the fluid stays contained within the hose.



### Consistant Performance

Low bearing stress, optimal compression, and consistent flow under all conditions.

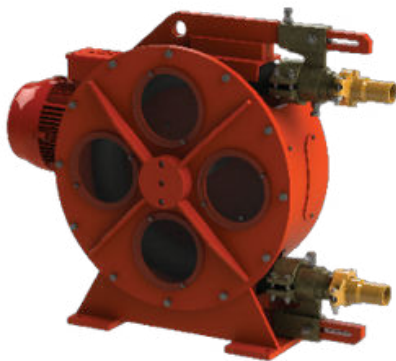


### Low Maintenance

Auto lubrication reduces downtime. Durable grout pumps built to protect your bottom line.

The AMIX Peristaltic Pump (APP) is for handling aggressive, high-viscosity, and high-density products.

Used for high abrasive slurry, corrosive acids, gaseous liquids, sand/cement and mortar applications in construction, civil, and mining projects. mainly used in distance pumping, grouting and dosing of viscous slurries in construction, mining, etc.



## Applications

- Corrosives
- Abrasives
- High-viscosity fluids
- High-density fluids
- Very high accurate metering +/- 1%
- High pressure up to 3 MPa (435 psi)

## Key Advantages

- No seals or valves to replace
- Only wear part: hose tube
- Self-priming
- Can run dry
- Reversible flow
- No mechanical contact with slurry
- Pumps high solids and large particles
- Easy maintenance, low cost, minimal downtime

## Not one size fits all

	PUMP MODEL/NAME	MAX PRESSURE (BAR)	MAXIMUM CONTINUOUS DUTY FLOW (m <sup>3</sup> /hr)	MAXIMUM INTERMITTENT DUTY FLOW (m <sup>3</sup> /hr)	HOSE SIZE (mm)	VICTAULC FITTING	DIMS FOR SHIPPING
Low Pressure Pumps	APP25	10	1.8	2.5	25	DN25	850L x 440W x 390H
	APP38	10	4.5	7.5	38	DN40	1175L x 500W x 860H
	APP50	10	8.25	13.2	50	DN50	1380L x 620W x 920H
	APP65	10	15	24	65	DN65	1670L x 850W x 1120H
	APP76	10	20.2	31.5	76	DN80	1800L x 950W x 1365H
	APP100	10	35	54	100	DN100	1800x 1090W x 1425H
	APP125	10	59.4	90	125	DN125	2000L x 1130W x 1575H
High Pressure Pumps	APP25HP	40	1.8	2.5	25	DN25	850L x 440W x 390H
	APP38HP	40	4.5	7.5	38	DN40	1175L x 500W x 860H
	APP50HP	40	8.25	13.2	50	DN50	1380L x 620W x 920H
	APP65HP	40	15	24	65	DN65	1670L x 850W x 1120H
	APP76HP	40	20.2	31.5	76	DN80	1800L x 950W x 1365H
	APP100HP	40	35	54	100	DN100	1800x 1090W x 1425H
	APP125HP	40	59.4	90	125	DN125	2000L x 1130W x 1575H

\*Motor size to be determined based on pump selection