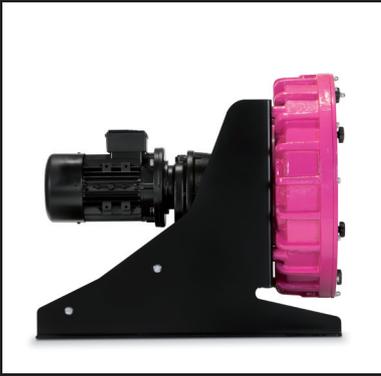


**ALL  
THE HOSE PUMP  
YOU'LL  
EVER NEED**



High suction lift  
– up to 9 metres

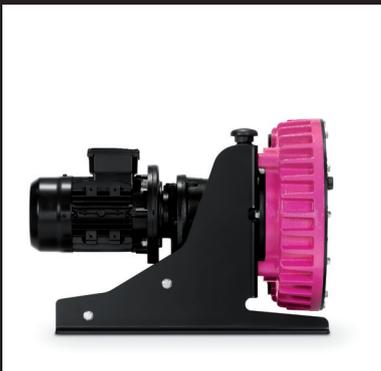
Self-priming

Run-dry capability

Reversible rotation

Seal-less design

Leakage detection



realAx

Accurate dosing

From 0.16 ml/rev  
right up to 20 l/ rev



**See what relax pumps  
can do for you**



Abrasion resistant

Easy to clean and maintain

Shoe or roller design



Hygienic application models

Extended warranty

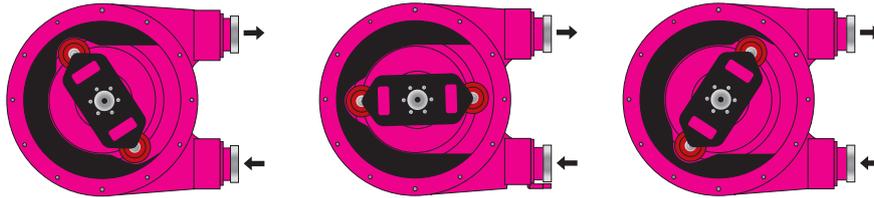
Corrosion resistant



Good for all types of media  
– viscous, abrasive,  
shear-sensitive

# Strong but gentle

Hose pumps, also called peristaltic pumps, are excellent for moving a wide variety of fluids efficiently and with great dosing accuracy. They work just as happily with viscous and abrasive media as they do with shear-sensitive fluids.



## The operating principle

In essence, a hose pump is a type of positive displacement pump. The simplicity of its design provides a number of advantages over other technologies.

The hose, which can be made from any of a variety of materials, is housed in the pump body. The pump rotor exerts pressure as it rotates on a set of rollers or shoes which, in turn, compress the hose. This forms a vacuum behind the roller or shoe drawing fluid into the hose while the next roller or shoe gently pushes the fluid forward through the hose. Pump wear is concentrated on the hose component which is quick and inexpensive to replace in situ.

## Shoes or rollers?

With a choice of both shoe and roller technologies, the relax pump range addresses both high and low pressure pumping requirements.



There's only one way to install a relax hose pump – your way.



### Rollers

Rollers mounted on bearings compress the surface of the hose during rotation. This design generates less friction and mechanical stress on the hose and it can support pressures of up to 8 bar.



### Shoes

Fixed shoes move across the surface of the hose during compression. Typically this technology is preferred for higher operating pressures (up to 15 bar).

# realAx | Peristaltic dosing pump SERIES APY

## Main characteristics

- Suction lift to 6 metres
- Easy and economical to maintain
- Can run dry without damage
- Seal-less
- Reversible rotation
- High dosing accuracy
- Corrosion resistant
- Sanitary design
- Different tube diameters available

## Drivers

- Gear-motor
- Motor variator with gear reducer
- Pneumatic gear motor
- Gear motor with integrated inverter

## Accessories

- Barb connections
- Electronic equipment for batch applications
- Plastic baseplate with leakage container

Ideal for lower pressures and laboratory applications providing accurate dosing of small quantities up to 90 l/h and up to 2 bar pressure. The three roller design cuts vibration and hose replacement is quick and easy.

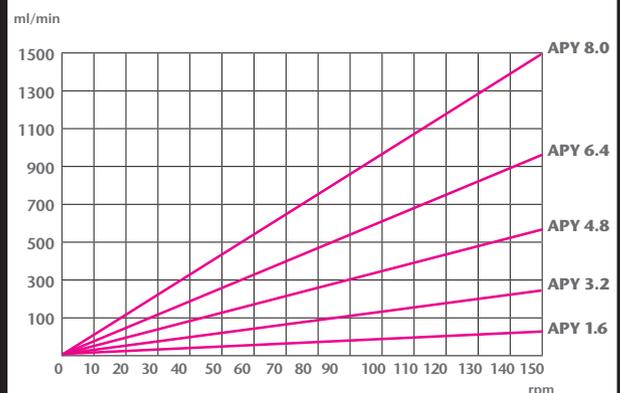


## Models

Model	APY 0.8	APY 1.6	APY 3.2	APY 4.8	APY 6.4	APY 8.0
Tube size (mm)	0.8	1.6	3.2	4.8	6.4	8.0
Capacity ml/rev	0.16	0.4	1.66	3.8	6.26	10.0
Max Pressure (bar)	2	2	2	2	2	2
Compression type	Rollers	Rollers	Rollers	Rollers	Rollers	Rollers
Weight w/o drive (kg)	2.2	2.2	2.2	2.2	2.2	2.2
Tube material	SILICONE SANTO-PRENE®	SILICONE NOR-PRENE® A-60-F TYGON® LFL	SILICONE NOR-PRENE® A-60-F TYGON® LFL NOR-PRENE® A-60-G SOLVA® STA-PURE® CHEM-SHURE®	SILICONE NOR-PRENE® A-60-F TYGON® LFL NOR-PRENE® A-60-G SOLVA® STA-PURE® CHEM-SHURE®	SILICONE NOR-PRENE® A-60-F TYGON® LFL NOR-PRENE® A-60-G SOLVA® STA-PURE® CHEM-SHURE®	SILICONE NOR-PRENE® A-60-F TYGON® LFL NOR-PRENE® A-60-G SOLVA® STA-PURE® CHEM-SHURE®

## Performance

### Peristaltic dosing pump APY series



# realAx | Industrial hose pump SERIES ISI

## Main characteristics

- Suction lift to 9 metres
- Can run dry without damage
- Seal-less
- Reversible rotation
- Resistant to abrasion
- High dosing accuracy
- Easy and economical to maintain
- Corrosion resistant
- Silent
- Easy to clean

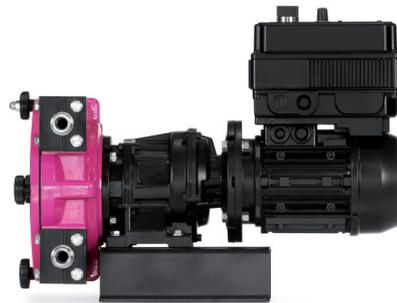
## Drivers

- Gear-motor
- Motor variator with gear reducer
- Gear motor with integrated inverter
- Pneumatic gear motor

## Accessories

- Hose leakage detector
- Pulsation dampener
- TRICLAMP, DIN 11851, SMS, NPT, PP, PVDF connections
- Electronic equipment for batch applications.

Suitable for tough industrial applications up to 1,500 l/h and up to 8 bar. Features reinforced hose. Can be upgraded with controller for simplified batch control.

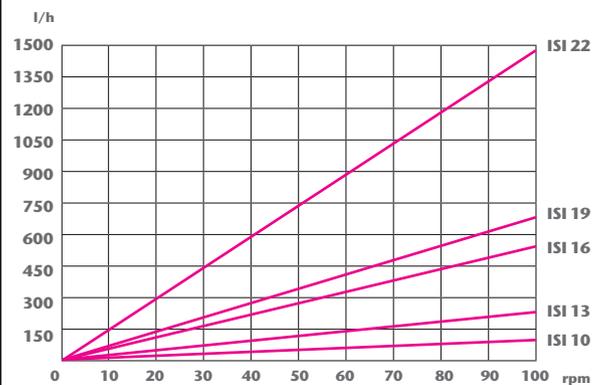


## Models

Model	ISI 10	ISI 13	ISI 16	ISI 19	ISI 22
Capacity l/rev	0.023	0.038	0.095	0.123	0.246
Connection	3/8"	3/8"	3/4"	1"	1"
Max Pressure (bar)	8	8	8	2	8
Compression type	Rollers	Rollers	Rollers	Rollers	Rollers
Weight w/o drive (kg)	6	6	13	13	22
Hose material	NR NR NBR EPDM HYPALON NR-A* NBR-A* NORPRE-NE® SANTO-PRENE®	NR NR NBR EPDM HYPALON NR-A* NBR-A* NORPRE-NE® SANTO-PRENE®	NR NR NBR EPDM HYPALON NR-A* NBR-A* NORPRE-NE® SANTO-PRENE®	N/A N/A N/A N/A N/A N/A N/A NORPRE-NE® TYGON® SANTO-PRENE®	NR NR NBR EPDM HYPALON NR-A* NBR-A* NORPRE-NE® SANTO-PRENE®

\* FDA approved

## Performance Industrial hose pump ISI series



# realAx | Industrial hose pump SERIES IP

## Main characteristics

- Suction lift to 9 metres
- Can run dry without damage
- Seal-less
- Reversible rotation
- Resistant to abrasion
- High dosing accuracy
- Easy and economical to maintain
- Corrosion resistant
- Silent
- Easy to clean

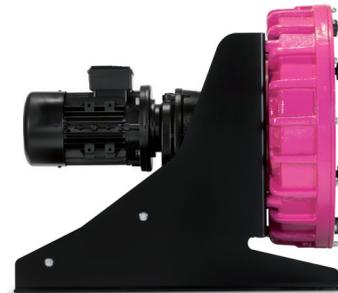
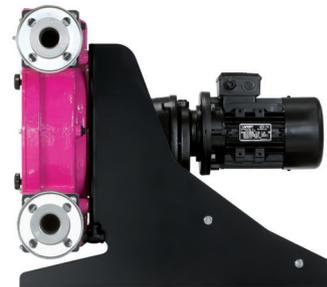
## Drivers

- Gear-motor
- Motor variator with gear reducer
- Gear motor with integrated inverter

## Accessories

- Hose leakage detector
- Pulsation dampener
- TRICLAMP, DIN 11851, SMS, NPT, PP, PVDF connections
- Electronic equipment for batch applications (IP 30, IP 40)
- Vacuum equipment
- Feed screw (IP 60, IP 70)

Suitable for tough and demanding industrial applications up to 32,000 l/h and up to 8 bar. The 70D model is well suited for applications up to 64,000 l/h. Quiet running and good for viscous fluids.

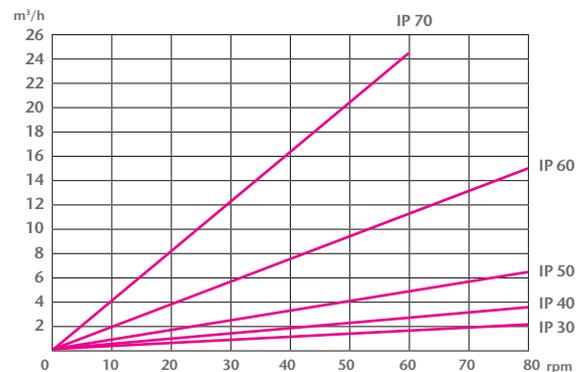


## Models

Model	IP 30	IP 40	IP 50	IP 60	IP 70	IP 70D
Capacity l/rev	0.43	0.75	1.34	3.16	6.72	13.4
Connection	1 1/4"	1 1/2"	1 1/2"	2"	2 1/2"	2 1/2"
Max Pressure (bar)	8	8	8	8	8	8
Compression type	Rollers	Rollers	Rollers	Rollers	Rollers	Rollers
Weight w/o drive (kg)	62	89	140	235	440	850
Hose material	NR NBR EPDM HYPALON NR-A* NBR-A*	NR NBR EPDM HYPALON NR-A* NBR-A*	NR NBR EPDM HYPALON NR-A* NBR-A*	NR NBR EPDM HYPALON NR-A* NBR-A*	NR NBR EPDM HYPALON NR-A* NBR-A*	NR NBR EPDM HYPALON NR-A* NBR-A*

\* FDA approved

## Performance Industrial hose pump IP series



# realAx | Industrial hose pump SERIES RP high pressure

## Main characteristics

- Suction lift to 9 metres
- Can run dry without damage
- Seal-less
- Reversible rotation
- Resistant to abrasion
- High dosing accuracy
- Easy and economical to maintain
- Corrosion resistant
- Silent
- Easy to clean

## Drivers

- Gear-motor
- Motor variator with gear reducer
- Gear motor with integrated inverter

## Accessories

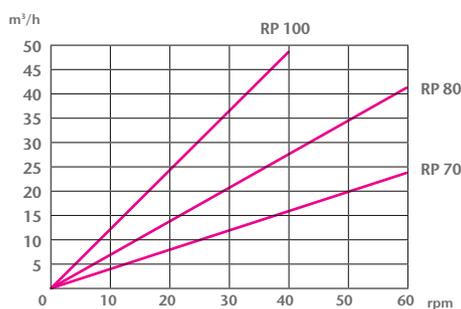
- Hose leakage detector
- Pulsation dampener
- TRICLAMP, DIN 11851, SMS, NPT, PP, PVDF connections
- Vacuum equipment
- Feed screw (RP 60 - RP 100)

Suitable for tough and demanding high pressure industrial applications up to 72,000 l/h and up to 15 bar. Quiet running with vibration damping.

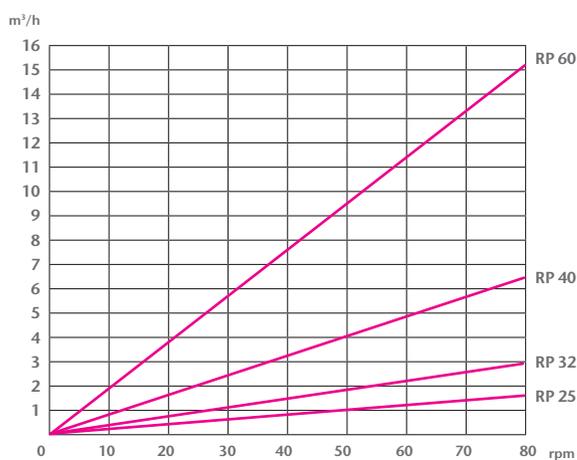


## Performance Industrial hose pump RP series

### RP 70 - RP 100



### RP 25 - RP 60



## Models

Model	RP 25	RP 32	RP 40	RP 60	RP 70	RP 80	RP 100
Capacity l/rev	0.3	0.625	1.33	3.16	6.7	11.7	20.0
Connection	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100
Max Pressure (bar)	15	15	15	15	15	15	15
Compression type	Shoes						
Weight w/o drive (kg)	57	89	150	252	530	920	1100
Hose material	NR NBR EPDM HYPA-LON NR-A* NBR-A*						

\* FDA approved



ACIDS



DAIRY PRODUCTS



DETERGENTS



JAM



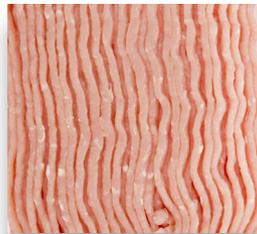
KAOLIN



LATEX



MAYONNAISE



MEAT



PHARMACEUTICALS



PIGMENTS

It might be more relevant to ask what you can't pump with relax hose pumps. The inherent simplicity of the concept, the accuracy and ease of cleaning as well as the range and consistency of performance make hose pumps suitable across a very wide range of applications.



RESINS



SLUDGE



SLURRY



FRUIT JUICES



GLUE



INKS

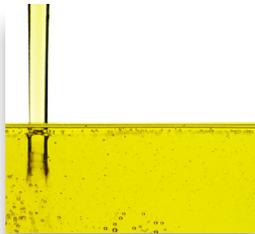


LIQUID EGGS

## What sort of relax user are you?



MORTAR



OILS



PAINT



POLYMERS



POTASH



PULP

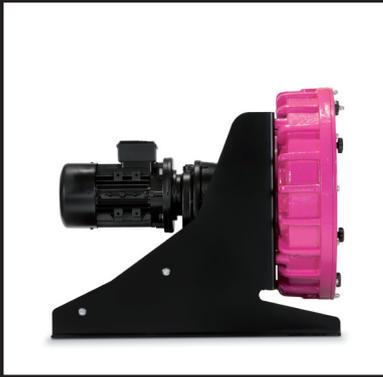


SYRUP

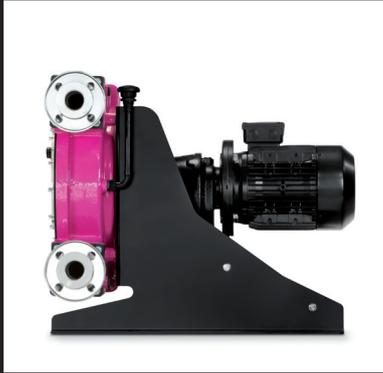
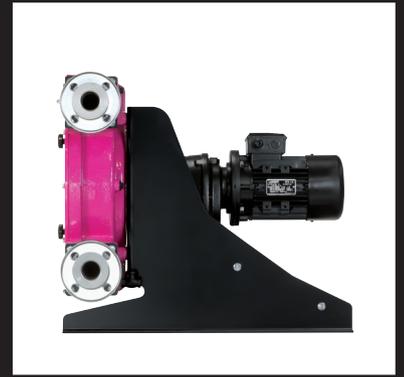


WINE

And if you're not certain, give us a call!



'...to be honest, they're so dependable I'd forgotten about them.'

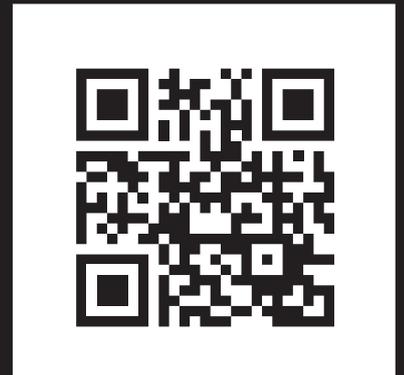


'...it handles everything I throw at it.'

'...so easy to clean.'

'...for the first time I felt there was a pump for precisely MY needs.'

'realax? The name says it all.'



# realax

## PEACE OF MIND PUMPING

[www.realaxpumps.com](http://www.realaxpumps.com)