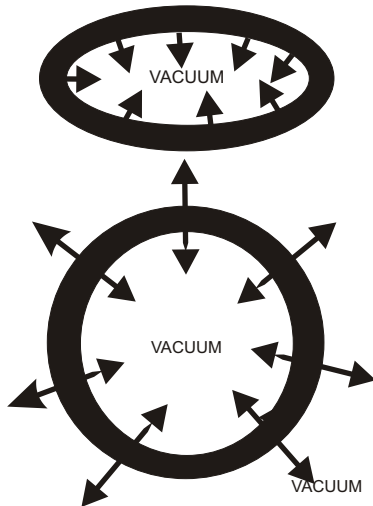


Industrial Peristaltic Pumps Accessories

Vacuum device



When there's a high suction, or with high viscous products, there's a big vacuum inside the hose, that don't allow to the hose to recover his original state after been compressed.

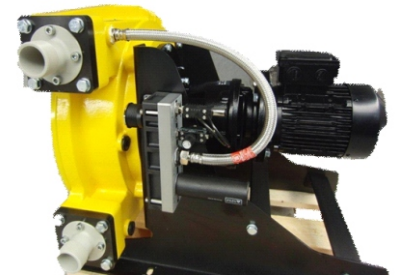
To help to the hose to recover his original state, we create a vacuum in the outside of the hose hat compensate the vacuum that is in the inside of the hose.

To create the vacuum inside the pump body, we have to do some modifications on the pumps to made it hemetic (some gaskets, O-rings, avoid plastic front cover on FMP, etc...)

Then, we use an external pneumatic vacuum pump.

The inlet air pressure of this pump has to be between 3,4 and 6 bars (An air pressure regulator is needed). The maximum air flow needed is 7 l/s.

A vacuostate device is included. When the vacuum is reached, the pump stops automatically.



TECHNICAL DATA

Description	Unit	Value
Feed pressure, max.	MPa	0.7
Noise level	dBA	60-65
Temperature range	°C	-20-80
Weight	g	575-760
Material		Al, PPS, SS, PA, NBR

VACUUM FLOW

Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	
0.60	3.0	6.7	4.1	1.9	1.5	1.4	1.1	0.70	0.30	0.10		89
0.34	1.9	5.9	2.7	1.8	1.2	0.75	0.51	0.38	0.28	0.11	0.020	91

EVACUATION TIME

Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)									Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	
0.60	3.0	0.019	0.048	0.097	0.16	0.24	0.35	0.58	1.5		89
0.34	1.9	0.023	0.058	0.12	0.23	0.40	0.64	0.99	1.6	3.9	91