

THE INTELLIGENT ALTERNATIVE

realAx IP 80

realAx IP 80 is a robust, heavy-duty peristaltic pump that is equipped with a hinged cover. This mechanism reduces maintenance times.



Mining & construction



Environmental technology



Food & beverage



Chemical



Paint & coatings



realAx | hose pumps

FOR HEAVY-DUTY APPLICATIONS, A LONG SERVICE LIFE AND LOW-MAINTENANCE OPERATION

The realAx IP 80 with compression rollers is particularly energy-efficient and economical to use for all process applications. At the same time, the intelligent design with a hinged cover offers real added value in terms of maintenance – changing the hose and rollers is quick and easy thanks to this mechanism.

- ✓ Hinged cover
- ✓ Energy-efficient and economical
- ✓ Flows of up to 42,000 l/h
- ✓ Constant pressure of up to 8 bar

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realAx IP 80 PERISTALTIC PUMP



realAx

The cover of the peristaltic pump can be opened in a few simple steps. Clamping levers secure the IP 80 pump cover so that the pump can be accessed without the need for tools.

..... Hinged cover for easy maintenance

realAx IP 80 DATA

realAx IP 80	PUMP HOUSING	PUMP COVER	ROTOR	ROLLERS	BASE PLATE	CONNECTIONS
Material	Cast iron (EN-GJL-250)	PVC	Nodular cast iron (EN-GJL-400)	Steel (F-114) and polyurethane	Steel (F-111) or stainless steel (AISI-304) (optional)	Stainless steel (AISI-316), PP or PVDF (optional)
Surface	Polyester powder coating or HALAR coating (optional)	-	Cataphoresis	-	Polyester powder coating	-

POLYURETHANE ROLLERS WITH A LARGE DIAMETER

The large diameter of the rollers reduces rolling friction, thereby preventing heat build-up in the pump. The IP 80 does not need to be filled with lubricant or coolant. The rollers are greased for optimum performance.



INDEPENDENT BEARING HOUSING

The independent bearing housing can withstand all radial and axial loads. The drive is therefore protected from loads. This minimises the amount of maintenance required.



PATENTED CLAMP DESIGN

The peristaltic pump's hose clamp has a patented design. The outstanding features of the hose clamping system are its almost unlimited reusability and safe handling.

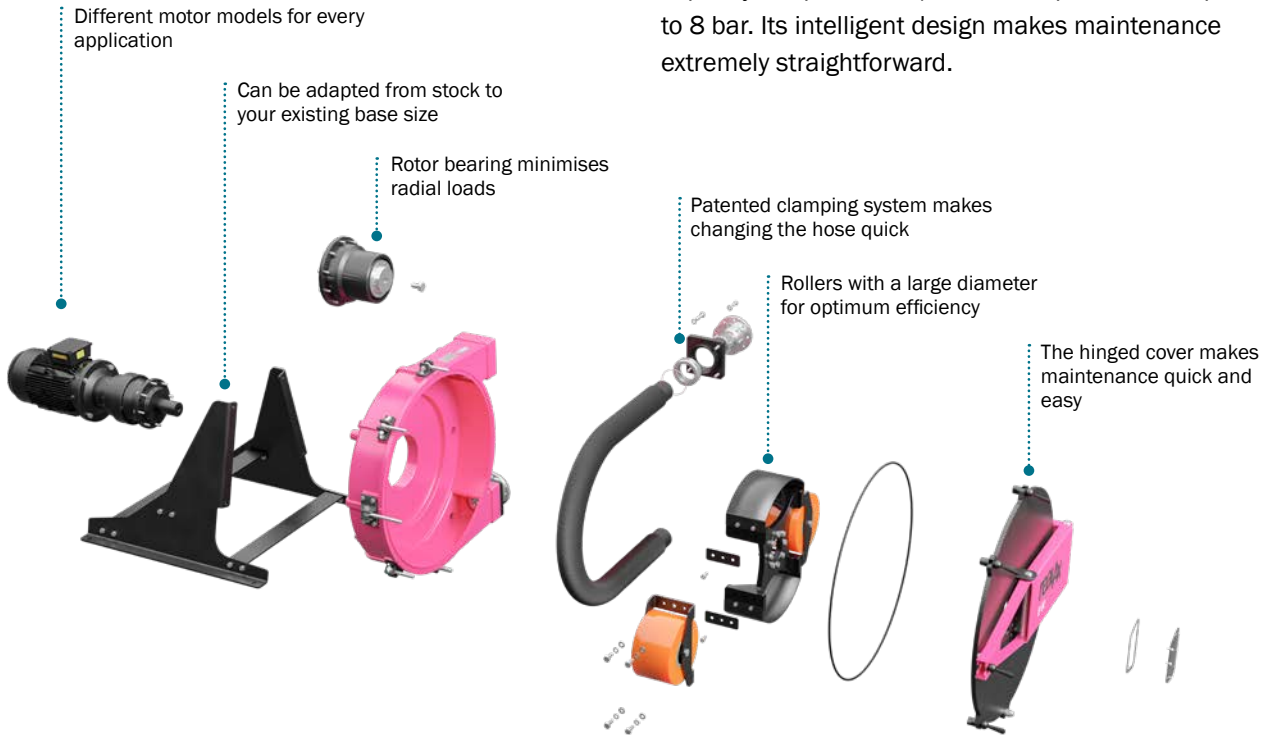









realAx IP 80 PERISTALTIC PUMP

realAx IP 80: PERFORMANCE AND FLEXIBILITY

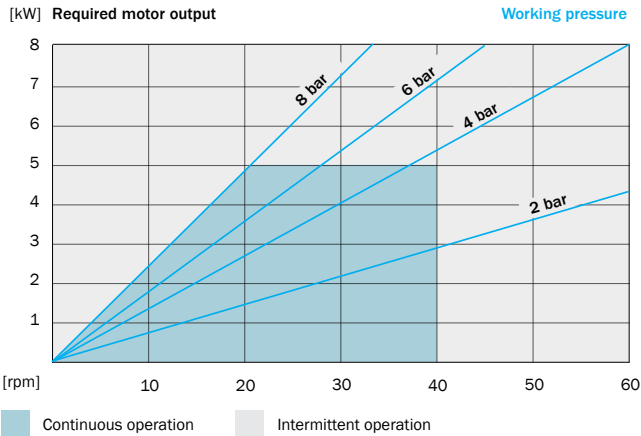
The realAx IP 80 can convey and dose liquids containing solids as well as abrasive media at a capacity of up to 42 m³/h and at a pressure of up to 8 bar. Its intelligent design makes maintenance extremely straightforward.



THE RIGHT PERISTALTIC PUMP FOR YOUR APPLICATION

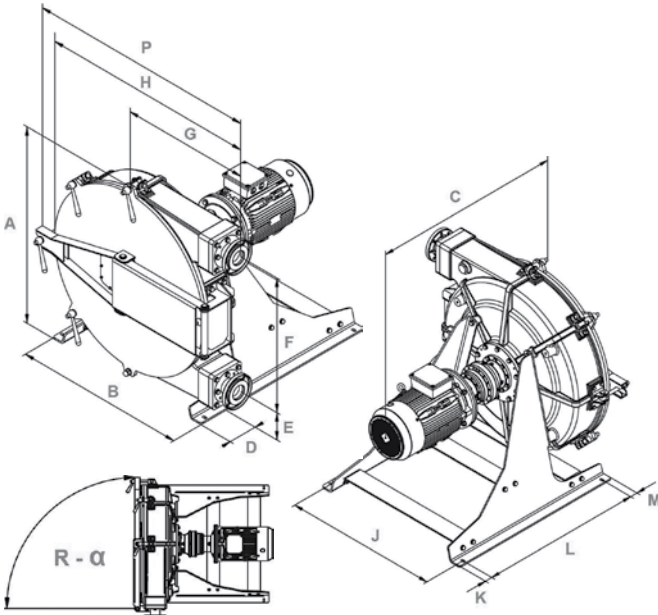
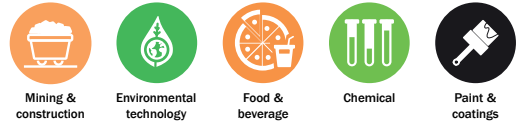
Industries	Features
 <p>Beverage industry</p>	<p>Conveying and dosing kieselgur earth, PVPP, yeast and sugar syrup requires a peristaltic pump that can meet the stringent requirements of the beverage industry. This realAx high-pressure peristaltic pump is self-priming and suitable for dry running, which makes it ideal for brewing processes.</p>
 <p>Water and waste water</p>	<p>Industrial and commercial water treatment is another area of application for the realAx IP 80: from slurry delivery to recirculation of activated carbon suspensions to sampling. Each of these applications has its own highly specialised process technology.</p>
 <p>Chemical industry, paint and coatings</p>	<p>The peristaltic pump offers a high level of chemical resistance to concentrated acids, corrosive chemicals and ketones. Designed for flexible use, the pump can also dose abrasive and corrosive media of all viscosities.</p>
 <p>Pulp and paper processing</p>	<p>Peristaltic pumps such as the realAx IP 80 are setting new standards in the pulp and paper processing industry. Talc suspension delivery and lime milk dosing are just two of the pump's wide range of applications.</p>
 <p>Fats, oils, dairy products</p>	<p>One of the challenges in the food production industry is how to process media with vastly different viscosities in a hygienic way. The requirements for peristaltic pumps in these hygienic food production processes are therefore particularly high.</p>

realAx IP 80 PERISTALTIC PUMP



Pressure (bar)	2	4	6	8
Torque (Nm)	900	1,240	1,680	2,300

realAx | hose pumps



Dimensions [mm]

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R-α	Flan.
1,225	1,093	*	137	205	850	688	1,235	1,045	50	1,100	275	50	1,307	1,220	DN80
a													a		
1,365													1,430	185°	

*C = depends on the chosen drive/gearbox

Hose materials
NR | NBR | EPDM | (HYPALON/CSM) option

Connections
**STAINLESS STEEL DIN/ANSI DN80 IP 80,
 POLYPROPYLENE & PVDF (OPTIONAL)**

Options
**HOSE LEAK DETECTOR | PULSATION DAMPENER
 FREQUENCY CONVERTER | FLOAT LEVEL SWITCH**

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