

ELRO® Peristaltic Pumps Series XP

The e**X**tremely high
performance **P**ump series

Flow rates up to **46m³/hr** at constant speed

Flyer-7/GB/05.08/GP



A Crane Co. Company

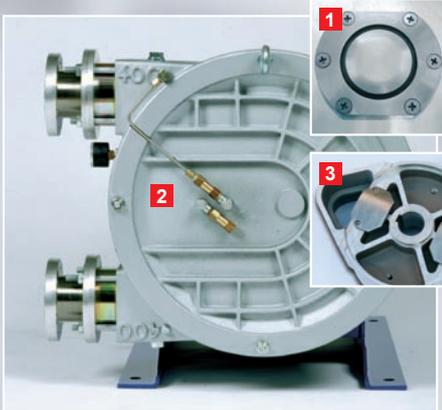
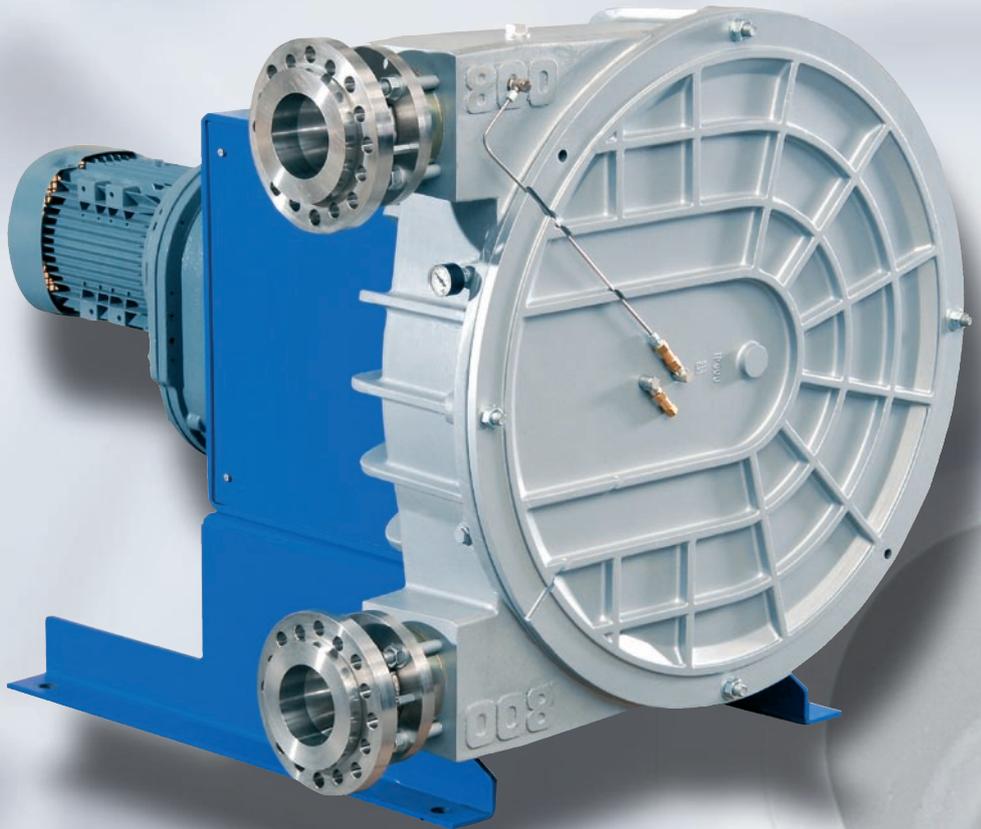
CRANE

ChemPharma Flow Solutions

ELRO® Peristaltic Pumps Series XP: Power

The newly developed ELRO peristaltic pumps of the **XP series** provide a high flow rate at low speeds. The large peristaltic hose cross section enables the delivery of media with very high solids content.

The XP series is equipped as standard with the newly developed vacuum system integrated directly in to the pump housing. The highly engineered peristaltic pump hoses provide **outstanding suction qualities** and also provide **very long hose service life**.



The integrated vacuum system, see figures **1**, **2**, **3** to the right, works as follows:

The rotor rotates within the lubricant-filled pump housing and compresses the delivery hose with the slide shoes.

At the same time, the membrane **1**, integrated in the pump cover is compressed during the rotation by the slide shoes **3** attached to the rotor.

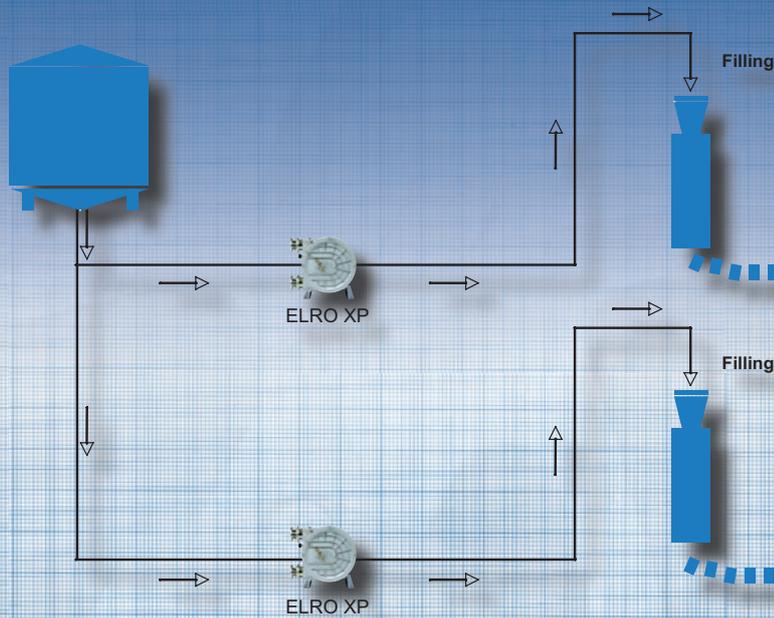
This causes the air inside the housing to be discharged through the suction device fitted into the pump cover **2**.

Numerous economic and technical advantages result from the new construction, such as

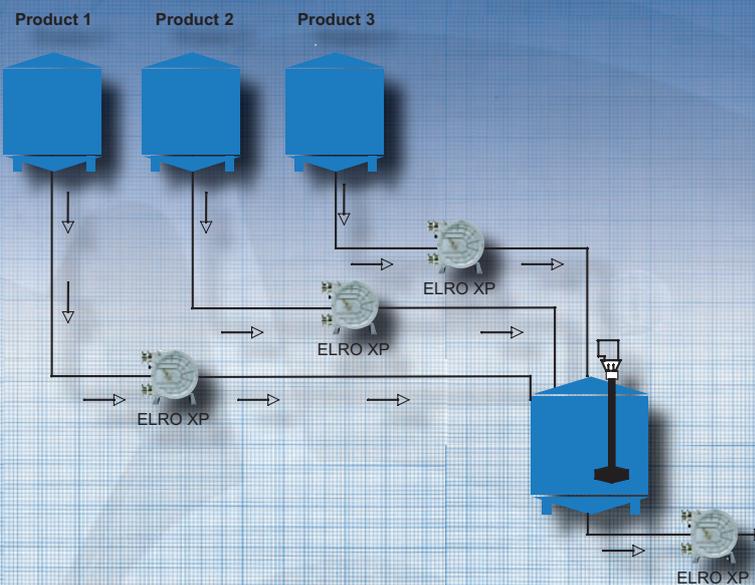
- Extremely high flow rate up to 46m³/hr at constant speed
- Proven compact design
- Safe to run dry
- Integrated vacuum system
- Dry suction lift to 9.5 m
- Delivery of high-viscosity products with vacuum support
- Maximum delivery pressure of 13 bar
- Ideal for fibrous materials and solids up to 60 mm due to large hose diameter
- Standard suction and delivery lines possible
- Constant flow rate over the entire service life through vacuum support
- A variety of hose and fluid connection materials are available

er package for the low-cost range

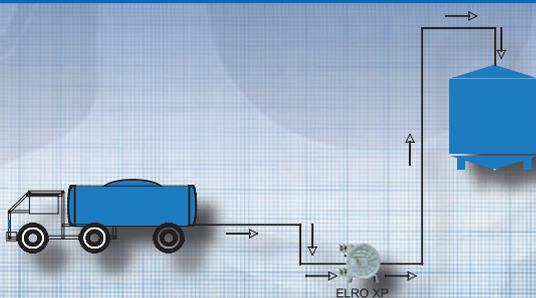
Flow diagram for filling machine feeding



Flow diagram for mixer feeding



Flow diagram for tanker emptying



Main areas of application

Wastewater Industry



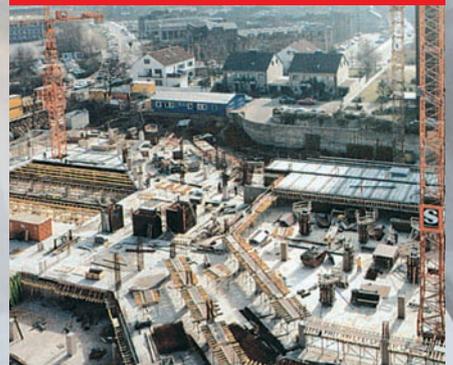
Chemical Industry



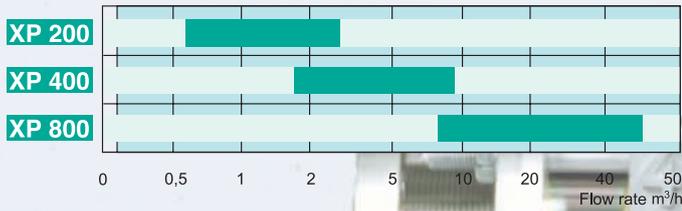
Environmental Industry



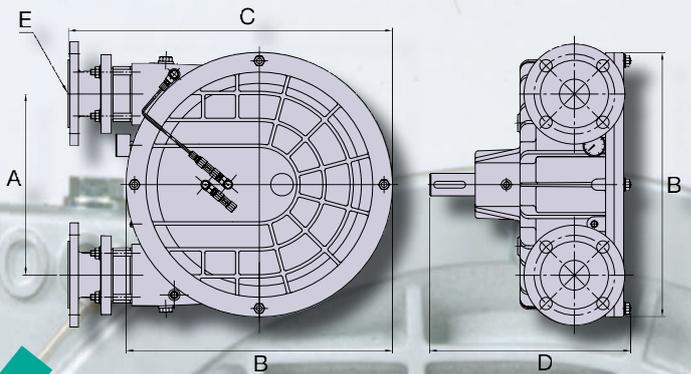
Construction Industry



Technical data



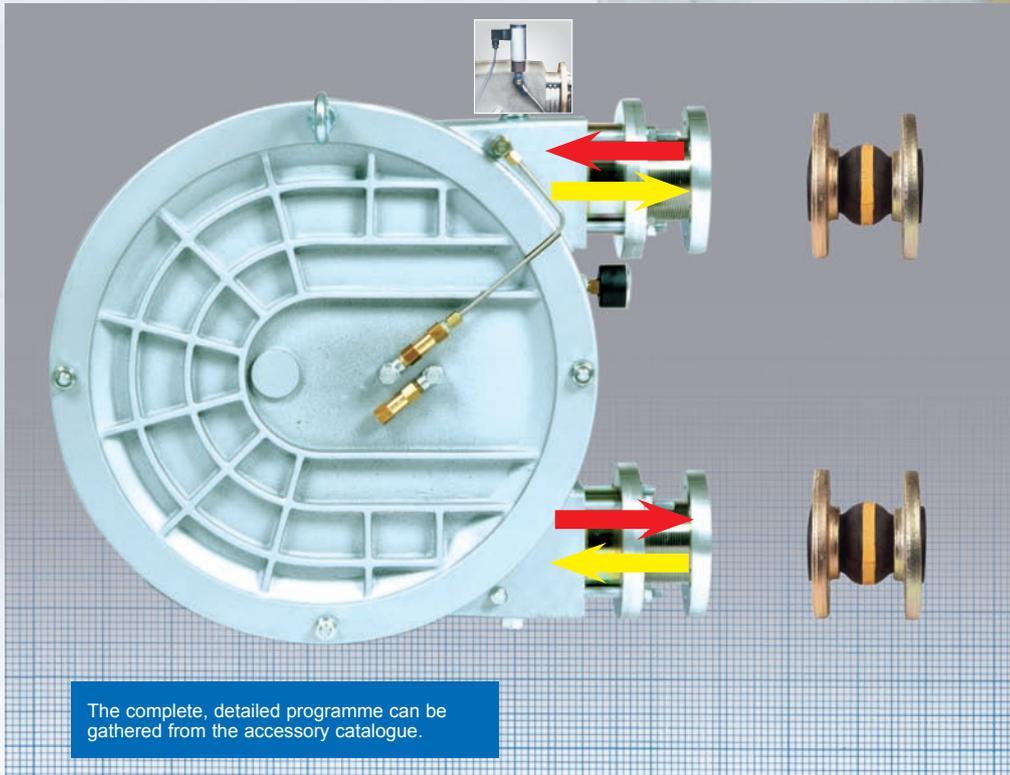
Dimensions in mm



Type	XP 200	XP 400	XP 800
E	(1 1/2")	(DN65*)	(DN100*)
A	140	320	692
B	242	470	890
C	320	570	1057
D	310	355	600

* DIN / ANSI Flange

Type	Max. flow rate	Displacement per rotation	Max. delivery pressure	Internal hose diameter	Max. speed	Drive output min-max	Weight without drive
Type	m ³ /h	l/r	bar	mm	rpm	kW	kg
XP 200	2.7	0.32	13*	35	140	0,55 - 2,2	18
XP 400	9.6	2.67	13*	63	60	1.5 - 5,5	53
XP 800	46,0	12,8	10	91	60	5,5 - 18,5	254



The complete, detailed programme can be gathered from the accessory catalogue.

Crane Process Flow Technologies GmbH
 P.O.Box 11 12 40, D-40512 Düsseldorf
 Heerdter Lohweg 63-71, D-40549 Düsseldorf
 Phone +49 211 5956-0
 Fax +49 211 5956-111
 info.Germany@craneflow.com
 www.craneflow.com

A Crane Co. Company

CRANE ChemPharma Flow Solutions

The right to change any technical specifications remains strictly reserved.