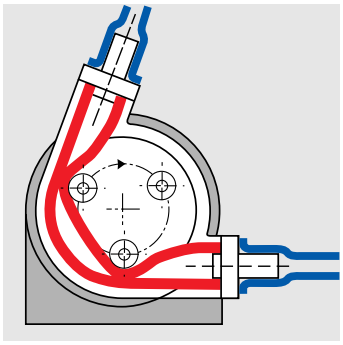
Hose Pumps

Type PA / PAX

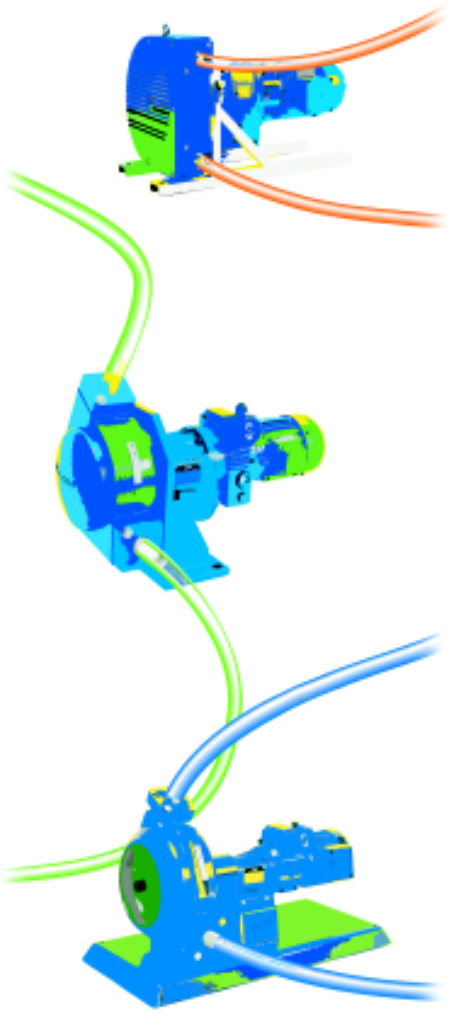
Ponndorf





Technical data

Model			PA 15	PA 27	PAX 19	PAX 30
max. capacity		l/h*	500	2500	600	2800
max. pressure		kPa**	400	400	200	200
max. suction height		m	8	8	7	7
max. power		kW	0.37	0.55	0.37	0.55
max. speed		min^{-1}	165	165	165	165
inside dia. of hose	– DN	mm	15	27	19	30
outside dia. of connection	– DA	mm	25	33	25	33
max. viscosity		mPas			35000	
max. operating temp						
continuous operation		°C	60	60	90	90
short-time operation		°C	80	80	130	130
material pump casing					aluminium alloy	
weight						
with gear motor		kg	21	27	21	27
with variable speed belt drive		kg	25	31	25	31
hose material						
natural rubber	– NR		X	X		
ponnprene	– PpF, food grade				X	X



* related to water

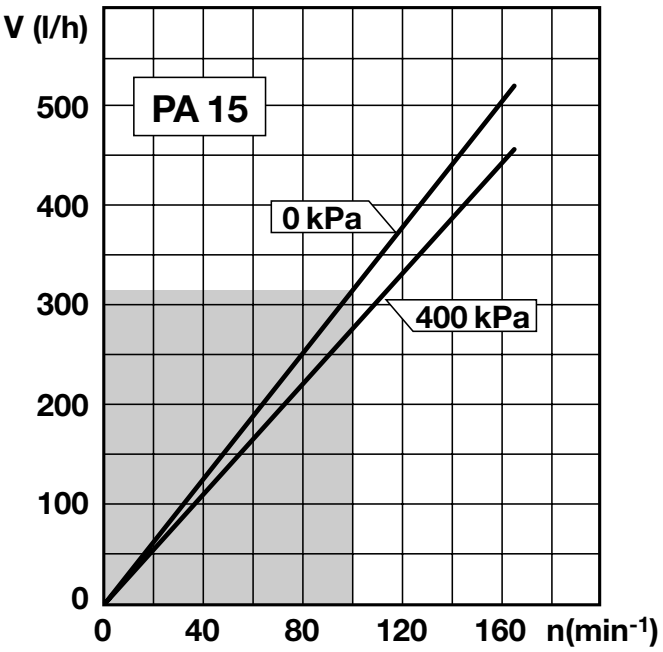
** 100 kPa = 1 bar

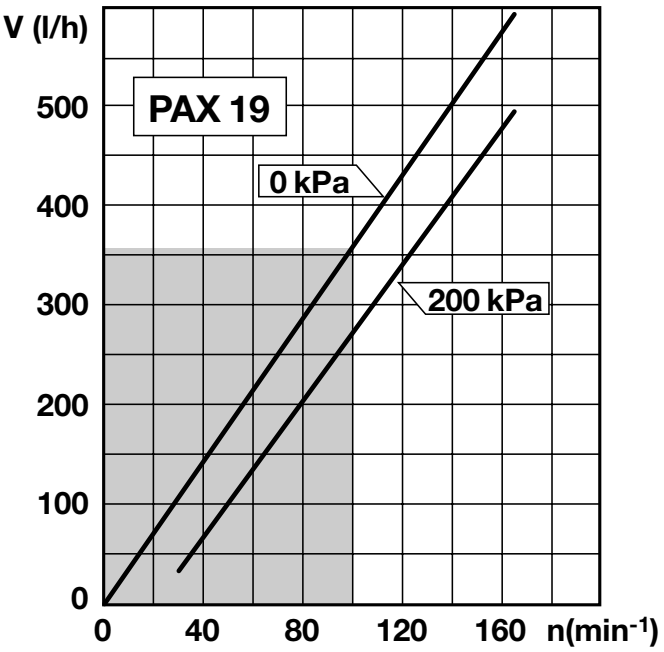
Issued on: 08.1998

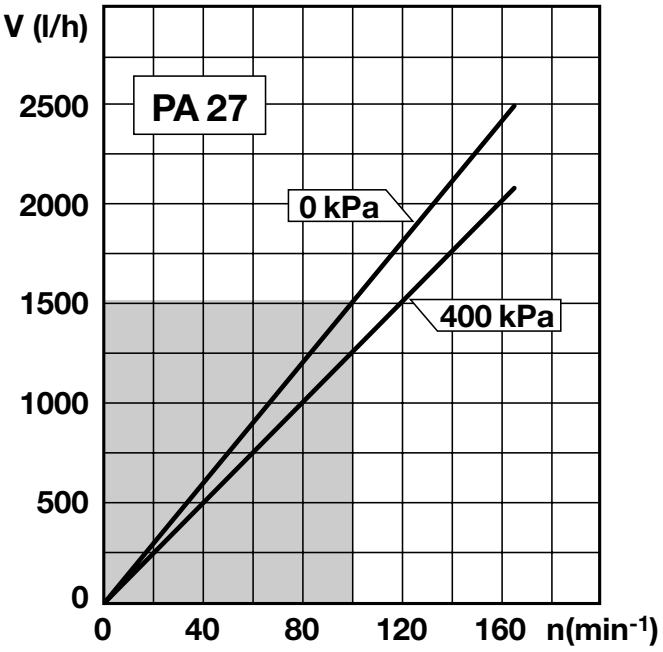
Produktbereich TÜV CERT ISO 9001 Schlauchpumpen

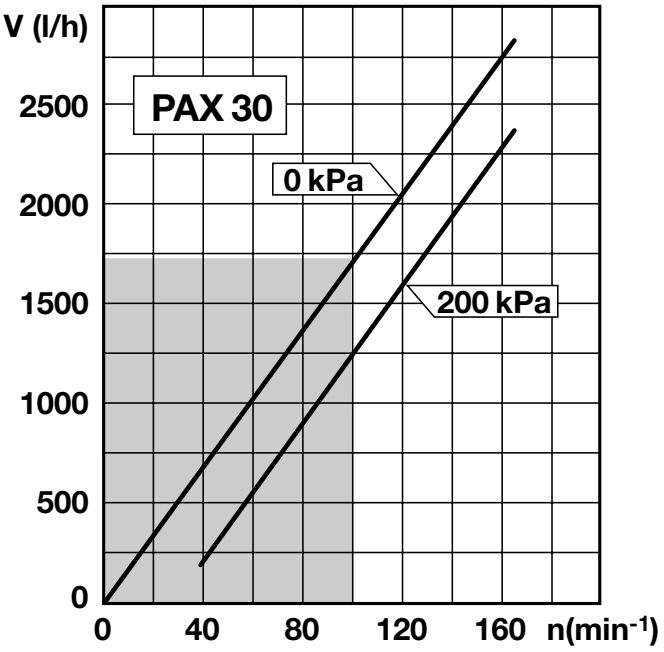
Ponndorf
Gerätetechnik GmbH
Leipziger Straße 374
D-34123 Kassel
Telefon +49 / 5 61 / 5 11 39-0
Telefax +49 / 5 61 / 5 11 39-88 / 66

Characteristic lines







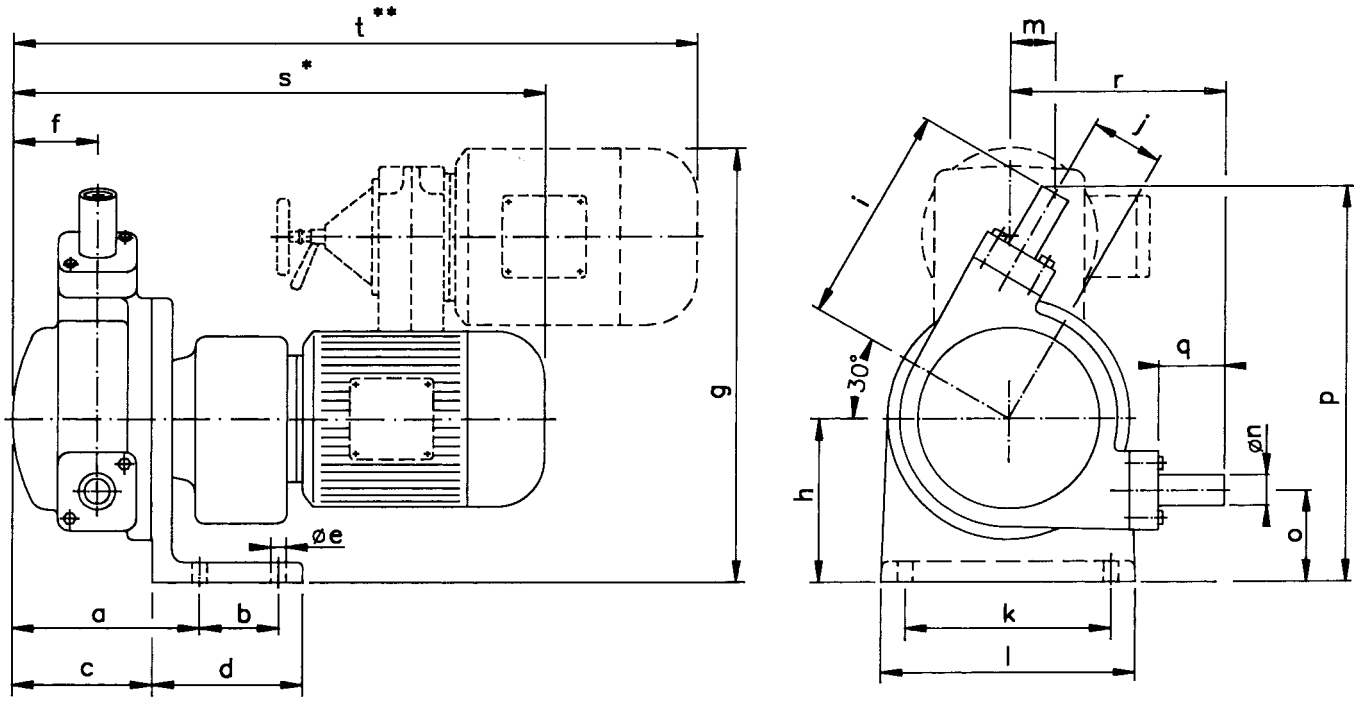


The pump characteristics give approximate values for the conveying capacities at various pressures.
They are related to the pumping of water. For materials with higher viscosities lower capacities are to be expected.
Speed range <100 min^{-1} is suitable for continuous operation of the pump.
Speed range >100 min^{-1} is suitable for short-time operation of the pump.

continuous operation short-time operation

100 kPa = 1 bar

Dimensions [mm]



* – with gear motor

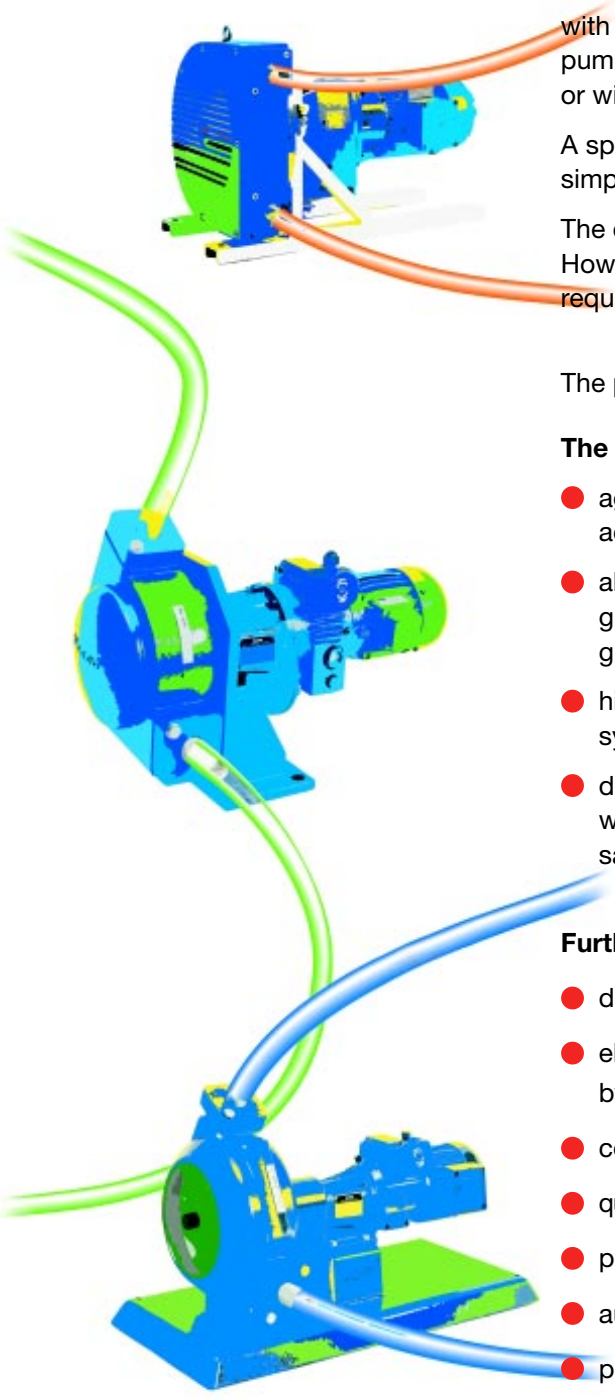
** – with variable speed belt drive

Hose Pump	a	b	c	d	e	f	g	h	i	j
PA 15	155	65	116	124	12,5	70	357.5	135	178.5	60
PA 27	162	110	142	150	18.0	82	431.0	180	225.0	87
PAX 19	155	65	116	124	12.5	70	357.5	135	178.5	60
PAX 30	162	110	142	150	18.0	82	431.0	180	225.0	87

Hose Pump	k	l	m	n	o	p	q	r	s	t
PA 15	170	210	37	25	75	326	54.4	178.5	440	556
PA 27	305	340	37	33	93	430	69.5	225.0	502	649
PAX 19	170	210	37	25	75	326	54.4	178.5	440	556
PAX 30	305	340	37	33	93	430	69.5	225.0	502	649

Hose Pumps
Type PA / PAX

Ponndorf



Ponndorf Hose Pumps are positive displacement peristaltic pumps without glands and valves. The material to be pumped comes into contact with the pump hose interior only and not with the moving parts of the pump. The pumps can be supplied with a gear motor for constant output or with a variable speed drive for adjustable output.

A special feature of the **Ponndorf Hose Pump** series PA and PAX is their simple and compact design.

The capacity range of these models is nearly identical with the PD models. However these pumps should not be applied where continuous operation is required, use, e.g., to decant vessels and containers.

The pump casing is rotable by 60°.

The pump is suitable for

- aggressive fluids
  acids, lyes, electrolytic baths, effluents, etc.
- abrasive materials
  glazes, enamel, porcelain or ceramic slip,
  grinding water, milk of lime, etc.
- high viscosity substances
  syrups, doughs, pastes, yeasts, etc.
- delicate materials
  which must be pumped gently such as latex, fruits,
  sauces, yoghurt, ready-to-serve food, etc.

Further versions / accessories

- drives in special design
- electrical speed control or electronic adjustment
  by microprocessor controlled frequency converter
- connections of plastics or stainless steel
- quick coupling systems, flanges according to intern. norms or dairy screw fitting
- pulsation damper
- automatical hose monitoring
- pump mounted on wheel-cart
- special varnish
- pump switch cabinets and control units
- connection tubing

Issued on: 08.1998

Produktbereich
TÜV CERT ISO 9001
Schlauchpumpen

Ponndorf
Gerätetechnik GmbH
Leipziger Straße 374
D-34123 Kassel
Telefon +49 / 5 61 / 5 11 39-0
Telefax +49 / 5 61 / 5 11 39-88 / 66

Ponndorf/Kassel · Printed in Germany © 8.98