

JABSCO FIP

flexible impeller pumps



[Hygienic pump](#) [Industrial pump](#) [Positive displacement pump](#)

Description

JabSCO invented the FIP (Flexible Impeller Pump) in 1938. The FIP has a number of attractive features, such as being self-priming and capable of pumping various media, ranging from liquids to soft solids, such as strawberries. The impeller design also allows the pump to pump foam. When the impeller stops, the blades close the ports, preventing the medium from flowing back. The pumps are supplied without a motor as standard.

Applications

- o pumping highly viscous products in, among others, the food and pharmaceutical industries
- o beverages such as beer, juices, and soft drinks
- o dairy products: yogurt, cheese, and butter
- o confectionery such as chocolate, syrup, peanut butter, and pasta
- o pharmaceutical products: cream and ointment
- o cosmetic products: oil, toothpaste, and ointment
- o chemicals: paint and oil

Specifications

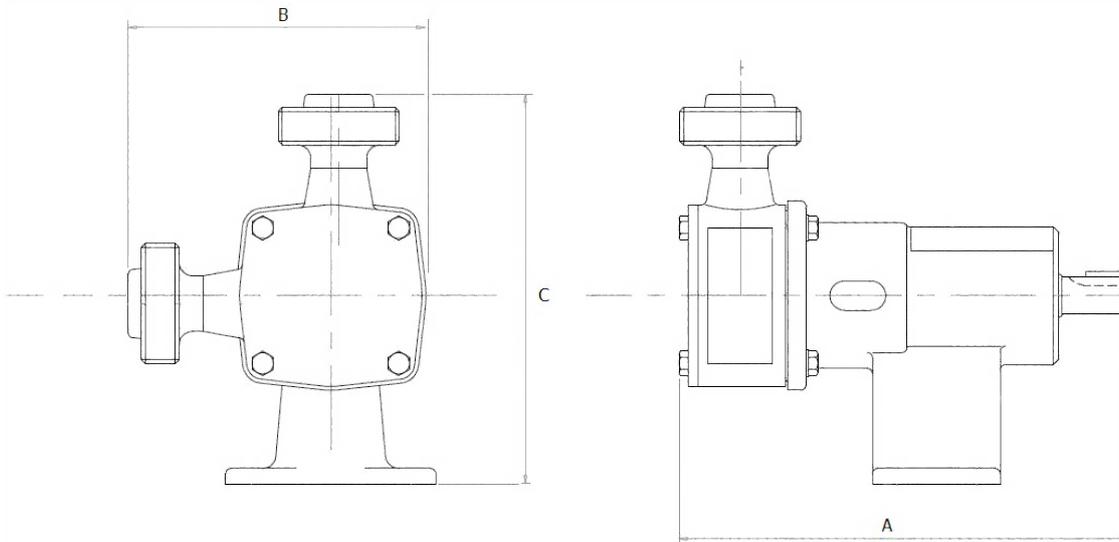
- o suitable for highly viscous products
- o pump housing: 316L
- o bearing housing with standard white epoxy coating (stainless steel 316L optional)

- o impeller easy to replace (4 bolts)
- o suitable for CIP (limited) & easy to clean
- o certificates: 3A, FDA
- o liquid temperature: -15 °C to 120 °C
- o viscosity: 1 to 50.000 cP
- o connections: lip seal or mechanical seal
- o seals: nitrile, EPDM, 3A neoprene
- o self-priming up to 5 meters
- o discharge connection: DN50 to DN300
- o motor power: 0,75 kW to 50,0 kW, 2-, 4- and 6-pole
- o voltages:
 - 1-phase 230 Volt 50 Hz (1305 and 1310)
 - 3-phase 400 Volt 50 Hz
- o also suitable for the North American market (cURus) on request

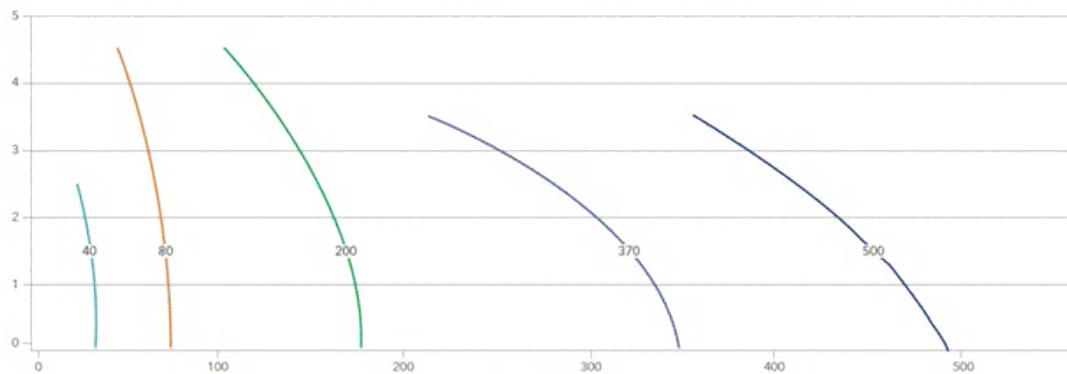
Options

- o various ports: 3A ACME, DIN, Tri-Clamp, IDF/ISS, RJT, SMS
- o pump housing available in bronze or plastic
- o special milk tank version available
- o rinsed mechanical shut-off

JABSCO 28 SERIES FLEXIBLE IMPELLER PUMP (FIP)



PUMP SIZE AND FLOW AT 1450 RPM



This is an indicative map. Full details are necessary to make an accurate selection.

Models and specifications

MODEL	A	B	C	MOUNTING	IEC MOTOR FLANGE/ FRAME	MAX. SIZE SOLIDS	PORT SIZE	SELF-PRIMING	MAX SPEED STD.	MAX SPEED HP	MAX. PRESSURE	MAX. FLOW L/MIN	WEIGHT
28200	169	112	147	Base	n.v.t.	8 mm	25 mm	5 mm	2500 rpm	1450 rpm	3 bar	40	2,9 kg
28220	116	112	112	Close couple	B3/B14/ IEC80	8 mm	25 mm	5 mm	1450 rpm	1450 rpm	1,7 bar	40	2,5 kg
28300	181	121	160	Base	n.v.t.	12 mm	25 mm	5 mm	2500 rpm	1450 rpm	4,4 bar	80	4,4 kg
28320	135	121	121	Close couple	B3/B14/ IEC80	12 mm	25 mm	5 mm	1450 rpm	1450 rpm	1,7 bar	80	3,5 kg
28400	260	157	190	Base	n.v.t.	16 mm	38 mm	5 mm	2500 rpm	1450 rpm	4,5 bar	200	9,4 kg
28420	165	157	157	Close couple	B3/B14/ IEC80	16 mm	38 mm	5 mm	1450 rpm	1450 rpm	1,4 bar	200	6,7 kg
28500	331	186	218	Base	n.v.t.	18 mm	50 mm	4,5 mm	1500 rpm	1500 rpm	3,1 bar	370	14,7 kg
28520	192	186	186	Close couple	B3/B14/ IEC80	18 mm	50 mm	5 mm	1450 rpm	1450 rpm	1 bar	370	10,2 kg
28600	476	198	224	Base	n.v.t.	18 mm	65 mm	5 mm	1500 rpm	1500 rpm	3,8 bar	500	20 kg
28220	282	198	198	Close couple	B3/B14/ IEC80	18 mm	65 mm	5 mm	1500 rpm	1500 rpm	3 bar	500	15 kg