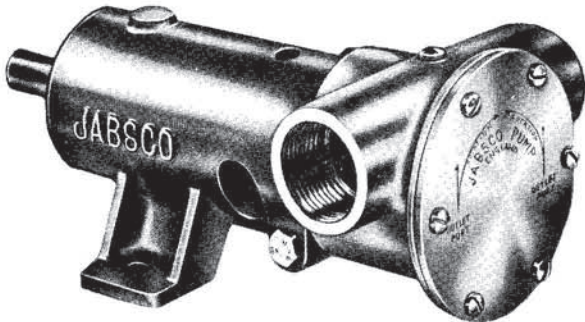




Model 10550-200

DESIGN FEATURES

Body	Bronze construction
Pedestal	Cast iron
Impeller	Jabscos neoprene compound
Shaft	Stainless steel
Shaft Seal	Mechanical Seal—renewable ceramic seal seat
Wearplate	Replaceable
Bearings	Ball bearings
Ports	$\frac{3}{4}$ " BSP Internal
Weight	Approximately 4 $\frac{3}{4}$ lb (2kg)



Variations incorporated from unit described above

Model

10550-205 Fitted $\frac{1}{2}$ cam reduced flow.

Note: Models are available with Nitrile impellers for a wide range of oils—soluble, lubricating, and machine cutting. Not recommended for Toluene, Petrol, Benzene or other high fraction petroleum products.

Typical Applications

Marine

engine cooling
pumping bilges
washing down decks and docks

Industrial

circulating and transferring liquids
velocity-mixing
transferring soap, liquors, pastes, glues, glycerine, lotions and brine

Farm

pumping water for stock and poultry houses and booster pumping

Plumbing and home

pumping out flooded basements, cesspools, sumps and many other uses.

PERFORMANCE CHART

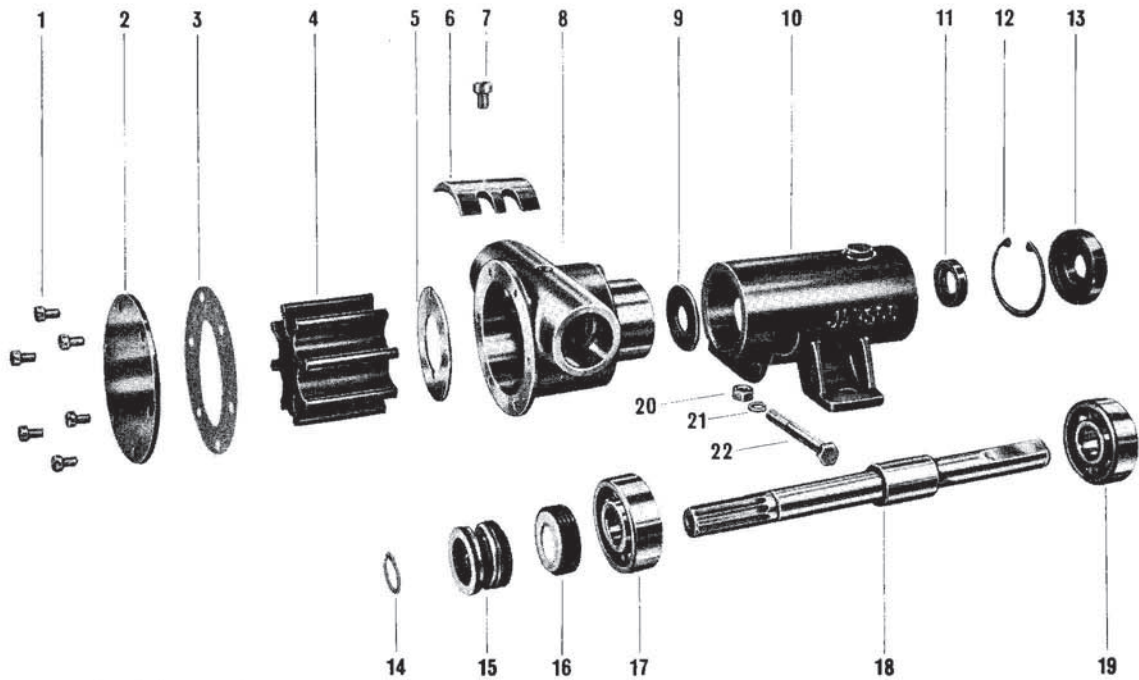
	TOTAL HEAD WATER					500· RPM		750 RPM		1,000 RPM			1,500 RPM			
	Feet of Water	Metres of Water	lb per sq in	kg per cm ²	HP	Imperial Gallons per min	Litres per min	HP	Imperial Gallons per min	Litres per min	HP	Imperial Gallons per min	Litres per min	HP	Imperial Gallons per min	Litres per min
Standard Full Cam	10	3·05	4·3	0·3	1/6	2·7	12·3	1/6	4·25	19·3	1/4	5·5	25·0	1/3	8·25	37·5
	20	6·1	8·7	0·6	1/6	2·5	11·4	1/6	4·0	18·2	1/4	5·25	24·0	1/3	8·0	36·0
	30	9·15	13·0	0·9	1/6	2·0	9·0	1/6	3·75	17·0	1/3	4·75	21·6	1/2	7·5	35·0
	50	15·25	21·6	1·5										1/2	6·2	28·0
Half Thickness Cam	10	3·05	4·3	0·3	1/8	1·5	6·8	1/8	2·6	12·0	1/4	3·5	16·0	1/3	5·5	25·0
	20	6·1	8·7	0·6	1/8	1·25	5·7	1/8	2·2	10·0	1/4	3·0	13·5	1/3	5·0	23·0
	30	9·15	13·0	0·9							1/4	2·5	11·5	1/3	4·25	19·0
	40													1/3	3·5	16·0

Performance stated is typical for new pump with Standard Impeller pumping water at ambient temperature. Alternative impeller materials can affect performance. Consult factory or distributor for advice.

Exploded View and Parts List

Technical Data

EXPLODED VIEW



Insist on genuine Jabsco parts.
made only by the original and world's leading manufacturer of self-priming flexible neoprene impeller pumps.

PARTS LIST			
Key	Description	Qty	Part No.
1	End Cover Screw	6	SP1002-02
2	End Cover		
	Model 10550-200	1	10555-200
	Model 10550-205	1	10555-205
3	Gasket	1	3298
4	Impeller	1	1210
5	Wearplate	1	9996
6	Cam		
	Model 10550-200	1	490
	Model 10550-205	1	10336
7	Cam Screw		
	Model 10550-200	1	SP1003-01
	Model 10550-205	1	SP1003-09
8	Body	1	10554-200
9	Slinger	1	3286
10	Bearing Housing	1	10557
11	Seal (Bearing)	1	SP2703-02
12	Retaining Ring	1	SP1700-248
13	Seal (Bearing)	1	SP2701-15
14	Shaft Retaining Ring	1	SP1700-62
15	Primary Seal	1	SP6080-07
16	Ceramic Seal Seat	1	SP8022-07
	Seal Seat Cup Rubber	1	9722
17	Ball Bearing	1	SP2601-39
18	Shaft	1	10417
19	Ball Bearing	1	SP2601-39
20	Nut	1	SP1105-03
21	Washer	1	SP1602-06
22	Bolt	1	SP1095-09
23	Bearing Spacer	1	9998
24	Shaft Retaining Ring (not shown)	1	SP1700-249

SERVICE KIT	
Pump model number	Service kit number
10550-200	SK239
10550-205	SK239
Service kit includes: Impeller Gasket End Cover Screws Seal, Seal Seat and Cup Rubber Retaining Ring	

DISASSEMBLY

- 1 Remove end cover screws, end cover and gasket.
- 2 Remove impeller using water pump pliers, or alternatively two pieces of rod rounded at ends, and lever out.
- 3 Loosen off cam screw, remove cam, clean off any old jointing compound using a solvent, eg petrol.
- 4 Remove wearplate.
- 5 Remove seal retaining ring on shaft.
- 6 Remove pump body from bearing housing by removing holding bolt 22.
- 7 Remove seal assembly.
- 8 Slide slinger off shaft.
- 9 Insert screwdriver between OD of outer bearing seal and pump bore, and pry out seal.
- 10 Remove bearing to body retaining ring.
- 11 Press on impeller drive end of shaft to remove shaft and bearing assembly. Remove inner bearing seal.
- 12 Remove shaft retaining ring.
- 13 Support bearing inner race and press shaft through bearing and bearing spacer. Repeat procedure for other bearing.

ASSEMBLY

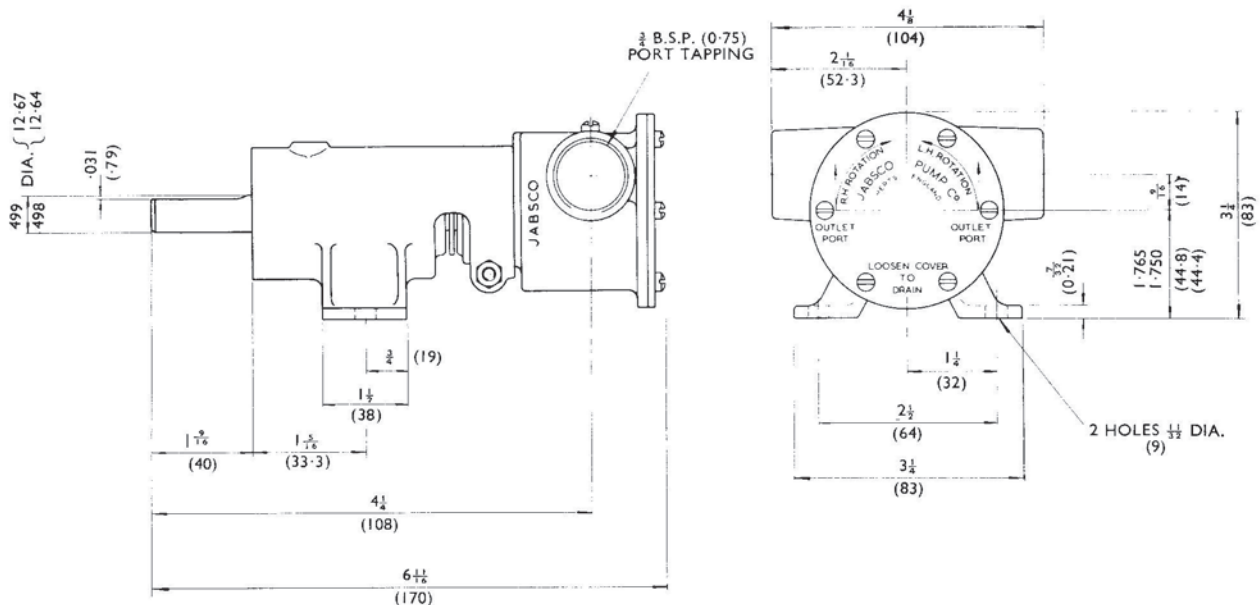
- 1 Lubricate inner bearing seal with grease and press into bearing housing with spring facing towards impeller.
- 2 Support inner race of bearing and press shaft through bearing until stopped by shoulder. Press on bearing spacer, then other bearing until located against spacer. Replace retaining ring on shaft.
- 3 Locate slinger in drain area.
- 4 Press shaft and bearing assembly into bearing housing, guide slinger on to shaft until located in housing.
- 5 Fit bearing to body retaining ring.
- 6 Press in bearing seal with spring facing outwards (away from impeller).
- 7 Replace pump body, secure to housing with bolt, washer and nut.
- 8 Replace seal seat and cup rubber with seal seat face towards impeller.
- 9 Replace seal with carbon face towards face of seal seat.
- 10 Replace seal retaining ring onto shaft.
- 11 Install wearplate, lining up slot with pin in body.
- 12 Coat cam and cam screw with a non-setting jointing compound. Install in body.
- 13 Lubricate impeller bore with a light coat of Marfak 2HD grease and start impeller into bore with a rotary motion until splines engage, then push into bore.
- 14 Replace gasket and end cover, secure with end cover screws.

OPERATING INSTRUCTIONS

- 1 Installation:** Pump may be mounted in any position. The rotation of the pump shaft determines the location of the pump's intake and discharge ports, refer to dimensional drawing. Before installing, turn the pump shaft in the direction of the operating rotation.
- 2 DRIVE:** Belt or Direct with flexible coupling.
Belt Drive: Overtight belt load will reduce pump bearing life.
Direct Drive: Clearance should be left between drive shaft and pump shaft when installing coupling. Always mount and align pump and drive shaft before tightening the coupling set screw.
- 3 Speeds:** 100 rpm to the maximum shown in the performance table. For longer pump life, operate at lowest possible speeds.
- 4 Model 10550-200** is a self priming over a wide speed range with suction lift up to 10 feet and suction lift up to 22 feet when primed. Intake lines must be air-tight to ensure self priming.
Note: Pump will prime when impeller is DRY, but suction lift of up to 10 feet is only obtainable when impeller is *greased or lubricated* with liquid being pumped. Priming performance figures stated are for water at ambient temperature and at 1500 rpm.

- 5 Running Dry:** Unit depends on liquid pumped for lubrication. *Do not run dry* for more than 30 seconds. Lack of liquid will burn the impeller.
- 6 Caution:** Do not pump petroleum derivatives, solvents, thinners, highly concentrated or organic acids. If corrosive fluids are handled pump life will be prolonged, if flushed with water after each use or after each work day.
- 7 Pressures:** For continuous operation, pressure should not exceed 25 psi for the standard Model 10550-200
- 8 Temperatures:** 45°-180°F. Use standard impeller.
- 9 Freezing Temperatures:** Most methyl alcohol (methanol) based anti-freezes can be used. *Do not use petroleum based anti-freeze compounds or rust inhibitors.*
- 10 Gasket:** Use standard pump part. A thicker gasket will reduce priming ability. A thinner gasket will cause impeller to bind.
- 11 Spare Parts:** A Jabsco Service Kit should be kept on hand to rebuild all but the most badly worn pumps.

DIMENSIONAL DRAWING



Dimensions in inches and millimetres

xylem
Let's Solve Water

Jabsco, 1 Kondelin Road, Cape Ann Industrial Park, Gloucester, MA 01930
Tel : +1 978 281 0440 Fax : +1 978 283 2619

Jabsco, Bingley Road, Hoddesdon, Hertfordshire, EN11 0BU
Tel : +44 (0) 1992 450 145 Fax : +44 (0) 1992 467 132

Fluid Products Canada, 55 Royal Road, Guelph, Ontario N1H 1T1
Tel : +1 519 821 1900 Fax : +1 519 821 5316

NHK Jabsco Co Ltd, 3-21-10, Shin - Yokohama, Kohoku-ku, Yokohama 222
Tel : +81 (0) 45 475 8906 Fax : +81 (0) 45 475 8908

Jabsco GmbH, Oststraße 28, 22844 Norderstedt
Tel : +49 (0) 40 53 53 73 0 Fax : +49 (0) 40 53 53 73 11

Jabsco Marine Italia S.r.l., Via Tommaseo, 6, 20059 Vimercate, Milano
Tel : +39 039 6852323 Fax : +39 039 666307

USA

UK

CANADA

JAPAN

GERMANY

ITALY