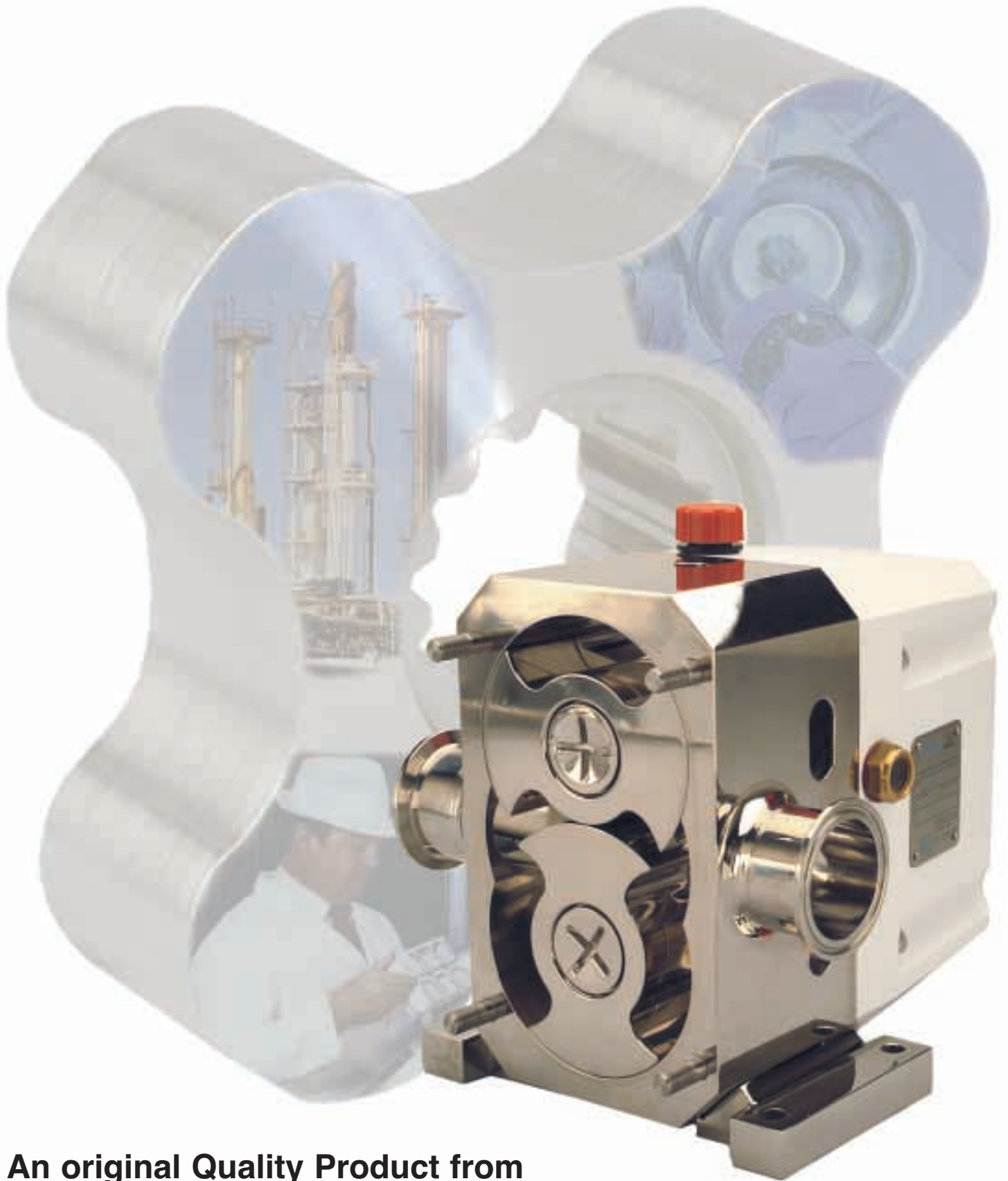


O N L I N E

Rotary Lobe Pump



An original Quality Product from
JOHNSON PUMP [UK]

IDEX
IDEX CORPORATION

A Subsidiary of Viking Pump Inc.
A Unit of IDEX Corporation

- EHEDG Certified for hygienic application
- Meets 3A and FDA requirements
- Ideally suited for CIP and SIP processes
- Can be strip cleaned with ease
- Unique front loading hygienic product seals
- New low cost 'O' ring product seal option
- Hardened shaft sleeves in seal area for longer life
- Additional rotor profile options to suit all application needs
- Improved inlet geometry for quieter performance
- Lower NPSH requirements
- Hygienic front cover, no recesses
- New joint design for increased cleanliness
- Modular design for maximum flexibility
- Optional Nickel plated finish on gear case
- Universal mounting



Universal Mounting



Various Rotor Options

On-Line Solutions for the Process Industries

The unique front loading product seals are designed for maximum accessibility and cleaning. Mechanical seal options include single, flushed or double flushed arrangements. Also 'O' ring product seals in single or double flushed forms.

All seals are interchangeable and hardened sleeves are fitted as required to maximise the life of the pump.

The selection of rotor forms provide effective pumping action whilst protecting sensitive products from the effects of shear. The various types of rotor are designed to give smooth flow and good solids handling capability.

All parts are manufactured in AISI 316 type stainless steel with fully machined rotor case and front cover.

Suction and discharge ports can be screwed or flanged to meet individual requirements.

The flush front cover and rotor retention devices combine with the fully swept pump chamber and optimum product seal positioning to ensure effective cleaning.

Shaft cartridge assemblies can be withdrawn for maintenance whilst the pump stays on line. Shaft overhang beyond the front bearings is minimised for optimum shaft rigidity thus maximising pump efficiency.

Precision helical gears synchronise rotors, maintaining pump head clearances and timing. Single point shimming provides for quick and easy on line adjustment of rotor clearances.

Total mounting flexibility and drive shaft configuration is provided as standard. Ports in both horizontal and vertical planes can be selected with ease, as can top or bottom shaft drive.

Integral pressure relief valves are available with mechanical and air operated options.



Unique Shaft Cartridge Assemblies



Selected Seal Options



Integral Pressure Relief Valve



ONLINE

Faster Maintenance

The position and method of assembling the product seals and shaft cartridge assemblies within the On-Line pump mean that maintenance of any sort, whether to replace product seal components or to service the shaft assemblies can be carried out significantly quicker than with conventional rotary lobe pump designs.

Easier to Clean

Product seals, exclusively developed for the On-Line range, are mounted directly behind the rotor and positioned to provide one of the cleanest seal arrangements currently available for rotary lobe pumps.

This strategic positioning of the product seals, combined with their ease of access, provides a pump head that can be more effectively cleaned by both manual and CIP procedures which, once clean, will stay cleaner longer.

Less Downtime

The On-Line concept offers reliable service coupled with easy access for maintenance should the need arise. It improves on line process time, reduces downtime and cuts costs.

In a high productivity process line, On-Line can make significant savings in reclaimed downtime.



**Less Wastage
Less Downtime
Easier Maintenance
Increased Productivity**

Get On-Line today with the Latest Processing Technology

Johnson Pump (UK) Ltd is an ISO 9001 certified Company focused on the requirements of its customers. The Company has established a position as one of the world's leading pump manufacturers, specialising in the design, manufacture and marketing world-wide of a comprehensive range of quality rotary lobe pumps.

The dedication of the Company to product excellence has culminated in a revolutionary design of stainless steel rotary lobe pump which overcomes the compromises and constraints associated with the application and use of traditional pumps.

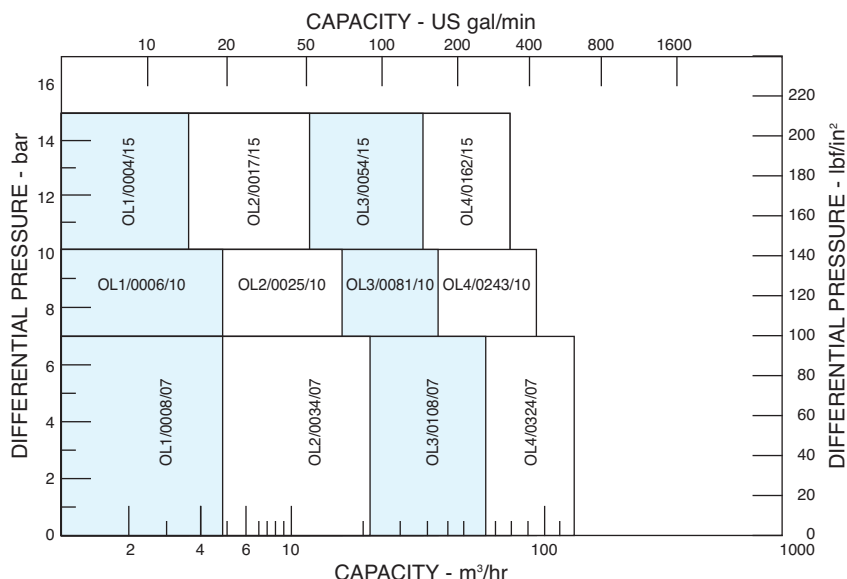
Following extensive research into the precise needs of the processing industry, the On-Line range incorporates many unique design features.

This has been achieved whilst maintaining the classic characteristics of smooth flow, dry running and high efficiency.

The pumps are ideal for liquids of varying viscosity, and can handle delicate liquids requiring minimal agitation or shear, aggressive chemicals, slurries and pastes.

NOMINAL PERFORMANCE DATA

ONLINE



CAPACITY: 155m³/hr
 DIFF. PRESSURE: 15 bar+
 VISCOSITY: To 1,000,000 cP
 TEMPERATURE: To 150°C

TYPICAL APPLICATIONS:

- | | |
|--------------|----------------|
| Acids | Lotions |
| Alcohol | Margarine |
| Baby food | Marmalade |
| Beans | Mayonnaise |
| Blood | Milk |
| Butter | Mustard |
| Caviar | Penicillin |
| Chemicals | Resins |
| Chocolate | Sauces |
| Coconut oil | Shampoo |
| Curd | Soap |
| Detergents | Soft drinks |
| Dough | Solvents |
| Dressings | Stews |
| Emulsions | Sugar solution |
| Explosives | Sulphate soap |
| Flavourings | Syrup |
| Glucose | Tall oil |
| Glues | Toffee |
| Glycerine | Tomato paste |
| Ground meats | U.F. Products |
| Hand creams | Whey |
| Jam | Wine |
| Juice | Yeast |
| Ketchup | Yoghurt |

OPERATING PARAMETERS

On-Line Model No.	DISPLACEMENT			STANDARD CONNECTION SIZE		PRESSURE DIFF.		MAXIMUM SPEED rev/min
	litres/ rev	Imp gal/ 100 rev	US gal/ 100 rev	mm	inches	bar	lbf/in ²	
OL1/0004/15 OL1/0006/10 OL1/0008/07	0.04 0.06 0.08	0.88 1.32 1.76	1.06 1.59 2.11	25 25 25	1.0 1.0 1.0	15 10 07	215 145 100	1400 1400 1400
OL2/0017/15 OL2/0025/10 OL2/0034/07	0.17 0.25 0.34	3.74 5.50 7.48	4.49 6.61 8.98	40 50 50	1.5 2.0 2.0	15 10 07	215 145 100	1200 1200 1200
OL3/0054/15 OL3/0081/10 OL3/0108/07	0.54 0.81 1.08	11.88 17.82 23.76	14.27 21.40 28.53	50 80 80	2.0 3.0 3.0	15 10 07	215 145 100	1000 1000 1000
OL4/0162/15 OL4/0243/10 OL4/0324/07	1.62 2.43 3.24	35.64 53.46 71.28	42.80 64.20 85.60	80 100 100	3.0 4.0 4.0	15 10 07	215 145 100	800 800 800

Manufacturers of the On-Line, Classic, Concept SQ and SLP Pumps.



Johnson Pump (UK) LTD.
 Eastbourne, England
 Tel: +44 1323 509211
 Fax: +44 1323 507306
 Email: jinfo@idexcorp.com
www.johnsonpump.com



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