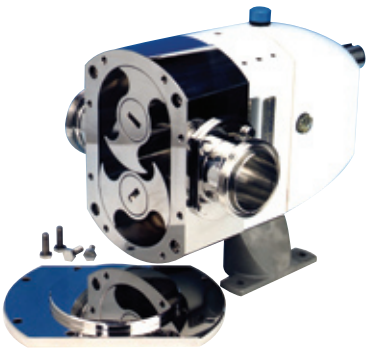
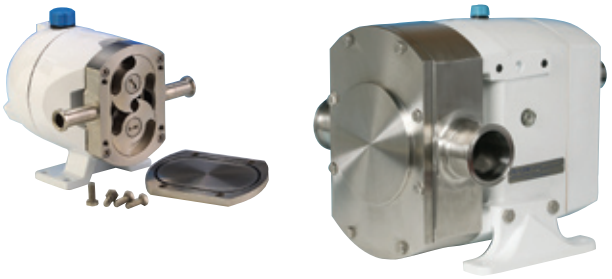
JABSCO



Hy-Line 42 thru 64

JABSCO



Hy-Line 32/34 and 72/74/76

HY ~ LINE

PUMP MODEL	LH32	LH34	LH42	LH44	LH52	LH54	LH62	LH64	LH72	LH74	LH76
Port Size (inch)	3/4 or 1	1 or 1 1/2	1 or 1 1/2	1 1/2 or 2	1 1/2 or 2	2 or 3	2, 2 1/2 or 3	3 or 4	3 or 4	4 or 6	5 or 6
Displacement gall/100 rev	0.9	1.8	3.2	5.4	7.0	12.0	16.8	25.0	32.5	54.2	80
Maximum Flow US GPM	13.7	27.7	32	54	67	115	121	180	221	325	478
Maximum Pressure PSI	215	115	215	115	215	115	215	115	215	115	72
Maximum Speed (RPM)	1500	1500	1000	1000	960	960	720	720	680	600	600
Dimensions LxWxH inches	8x7.5x6.5	9x7.5x6.5	11x9x8	11x9x8	15x10x10	15x10x10	17x11x12	18x12x12	19x15x14	21x15x14	22x16x14
Weight (bareshaft) lbs	18	22	40	44	71	77	134	143	275	319	364
Temperature °F	-22 to 284										
Viscosity cp	1 to 1 million										

OPTIONS

• SEALS

Front loaded single mechanical face type seals of hygienic design. Materials include carbon, stainless steel, and silicon carbide.

Low pressure flushed seals utilize the same single mechanical seal with an additional housing. A low pressure flush liquid washes away crystallizing products or liquids which 'skin over'.

Double mechanical seals utilizing all the components from single seals. Used for hazardous, toxic, highly abrasive, or sterile products.

Front loaded single o-ring seals - a low cost seal option used primarily for self lubricating products and products which contain little or no abrasives.

Front loaded double o-ring seals - suitable for pressurized grease or flushing with a suitable liquid to enable low cost sealing of high sugar confectionery and bakery products.

Multiple PTFE lip seal - complete with controlled release food grade grease injection system, the ideal sealing system for chocolate and other products sensitive to water flush.

• CONNECTIONS

All US and European standards including DIN, SMS, RJT, IDF, Tri-Clamp, ACME, NPT and BSP. Most pumps available with 2 different sizes, all fully interchangeable.

• ELASTOMERS

Nitrile, Viton, EPDM, and PTFE product contact joints available in compounds conforming to 3A Sanitary Standard 02-10 and FDA title 21 section 177.2600.

• OTHER OPTIONS

Pump head temperature control jackets
Integral pressure relief valve
Enlarged ports
Electro-polish
All stainless steel bearing pedestal and cover
Low carbon 316L pump head
Rectangular inlet
Hydraulic drive

DESIGN FEATURES

• MOST STRINGENT HYGIENIC STANDARDS

Flush rotor fixing screws are sealed to prevent product ingress. Contoured rotor case internals for full drainability during SIP and shaft seals set up front where the pumping action is. Fully conforming to 3A hygienic standards and utilizing materials which meet FDA requirements.

• LOW MAINTENANCE COSTS

Single shaft seals are fully accessible from the front of the pump without disturbing the process pipework. Simple bearing assemblies easily preset using automotive technology. Bi-wing rotors require no timing adjustments. Even the pump casing is removable in place, a feature not normally associated with other bi-wing rotor pumps.

• HIGH VOLUMETRIC EFFICIENCY

The bi-wing rotors incorporate the low viscosity efficiency associated with circumferential piston pumps with the viscous product handling capability of tri-, quad-, and bi-lobe rotor pumps... at an affordable price!

• RUGGED DESIGN

Hy-line design utilizes extremely large shaft diameters mounted in high specification taper roller bearings, fitted into an extremely rigid central pillar made from a high grade alloy. This is all enclosed in an oil filled housing made from the same alloy. These, together with wide tipped rotor wings, which adds another dimension to security, avoid premature pump failure due to overpressure or other abuse.