

Hy-Line and Ultima Rotary Lobe Pumps - Operating Data

Size	32	34	42	44	52	54	62	64	72	74	76
Displacement (US gal/100 revs)	0.9	1.8	3.2	5.4	7.0	12.0	16.8	25.0	32.2	52.8	79.6
Standard Port Size (inch)	3/4	1	1	1½	1½	2	2½	3	3	4	5
Enlarged Port Size (inch)	1	1½	1½	2	2	3	3	4	4	6	6
Reduced Port Size (inch)	-	-	-	-	-	-	2	-	-	-	-
Maximum pressure (psi)	215	115	215	115	215	115	215	115	215	115	71
Maximum Speed (rpm)	1500	1500	1000	1000	960	960	720	720	680	600	600
Maximum Flow (US gal/min)	13.7	28	32	54	67	115	121	180	219	324	477
Options available:											
Single Mechanical Seals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flushed Mechanical Seals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Double Mechanical Seals	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
End Cover Relief Valve	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jacketed End Cover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rotor Case Jackets	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Enlarged Rectangular Inlet	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Horizontal Port Axis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Vertical Port Axis	① ✓	① ✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3A Food Grade Nitrile Elastomers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FDA EPDM Elastomers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elastomers in FDA Viton	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PTFE / Perfluoroelastomers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.8µ machined surfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.8µ electropolished surfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.5µ polished + EP surfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

① Achieved by mounting pump on 'L' bracket & changing gear cover