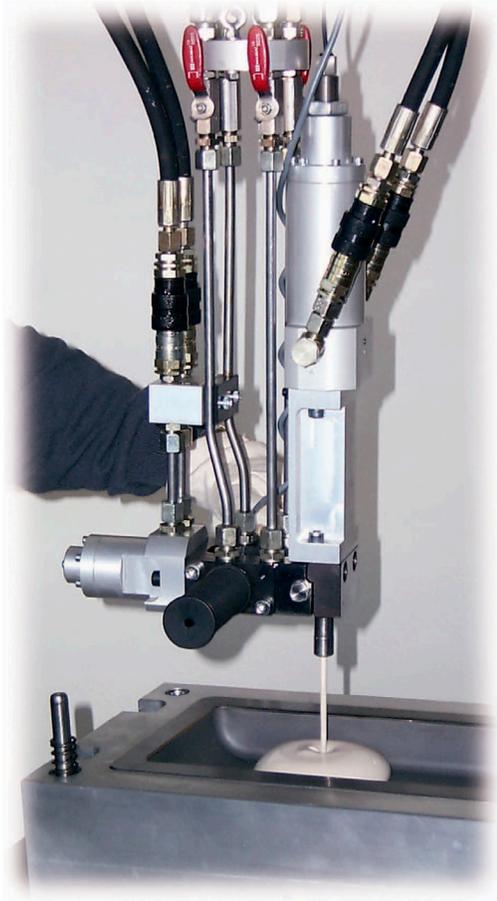


## Polyurethane High-Pressure L- Mix Head



- Shot-sizes as low as 3 grams with high repeat-accuracy
- High pressure impingement mixing
- Mechanically self-cleaning - No need for solvents or air flushing
- Metal to metal sealing - No soft seals; this equates to high degree of reliability
- Throughput range 10 - 160 gr/sec (with different mix chamber sizes)
- Mixing pressure up to 2900 PSI (200 bar)
- Ratio of 4:1 to 1:4 (utilizing different mix chambers)
- Splash-free, laminar flow for open mold pouring, or injection into closed molds
- Chemicals circulate through mixing head allowing accurate temperature and thus viscosity control. Constant processing parameters guarantee excellent mix quality
- Modular design allows combination of different mix chambers and Clean-out Chambers to optimize the performance
- Can be supplied with hand grips for manual push button pouring, robot mounting or direct coupling to molds

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**LINDEN**  
Linden Industries, Inc.  
Polyurethane Processing Equipment

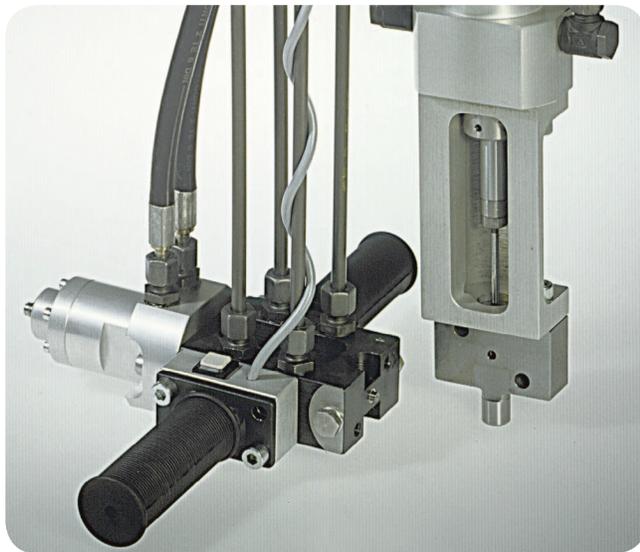




**Available Mixing Chambers and Clean-out Combinations**

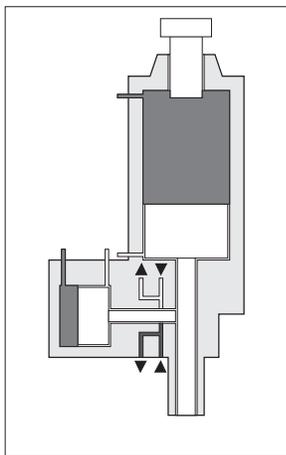
Mix Chamber Size #	2	3	4	5	6	8
Throughput in gr/sec @ 1.0 S.G.	10 - 13.33	13.3 - 28.3	33.3- 58.3	50 - 83.3	83.3 - 100	133.3 - 166.6
Compatible Clean-out Chamber ID's in mm	4.5, 6, 8	4.5, 6, 8	6, 8, 10	6, 8, 10	6, 8, 10	6, 8, 10

**Mode of Operation**

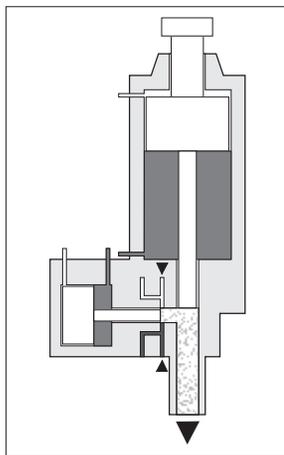


Clean-out nozzle diameter - 16mm

- Two chambers with separate hydraulic operated “control” and “clean-out” pistons are arranged at right angle or a L-shape
- With mixing chamber closed, chemicals circulate at low pressure through the mixing head, back to the day tanks. This allows for optimum temperature and viscosity control
- Various mixing chambers with different orifice diameters are available to accommodate different flow rates and chemical viscosities
- During the shot the components are high pressure impingement mixed at pressures of up to 2900 PSI (200 bar)
- Material exiting the “Mixing chamber” changes direction while entering into a second larger diameter “Clean-out Chamber”, reducing material velocity and turbulence at the point of dispense. This results in a smooth stream that doesn’t splash
- At the end of the dispense shot, the residual mixed material is sequentially and mechanically pushed out of “Mix Chamber” and “Clean-out Chamber” into the mold
- Even very fast reactive systems, with gel times below 2 seconds are no problem for our GP 600 L-shape mixing head



Cleaning position



Mixing position

*Linden Industries, the polyurethane total equipment specialists, manufactures a complete line of standard and custom Polyurethane processing lines and distributes Isotherm AG equipment throughout the U.S., Canada and Mexico.*