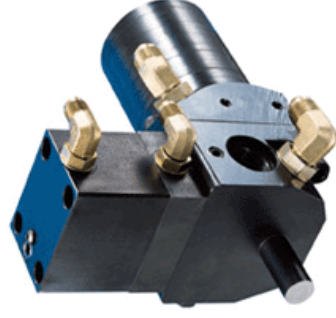


MIXING HEADS

FOR ANY APPLICATION

Hi-Tech Engineering, Inc. has designed and manufactured mixing heads for efficient high pressure impingement mixes from 3 grams/second to 800 lbs/minute. Mixing heads are available in 2 to 4 components in most sizes.

The mixing head is designed to be used with a variety of Hi-Tech's RIM metering machines modified to permit existing flow control systems to control pressure up to 10 times more accurately than standard systems.



■ MIXING HEAD FEATURES:

- Upgrade/Exchange Options
- Flushless, no solvents required
- American made components
- Applications for most RIM Equipment
- Multi Stream Capabilities
- Conversion from Straight to L-head available
- Available for most competitor's equipment

■ REPAIR/SERVICE

- New and rebuilt mix heads
- Rexroth and RHL chemical pumps.



Hi-Tech Engineering, Inc.

2450 Oak Industrial Drive NE, Grand Rapids, MI 49505

Tel 800-968-9801 or 616-957-4030 Fax 616-957-4148

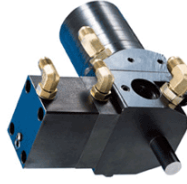
WWW.HITECHENGINEERING.COM

HI-TECH
ENGINEERING, INC.



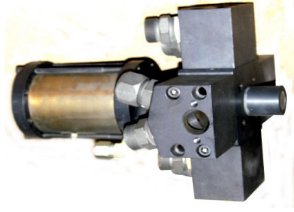
HI-TECH
ENGINEERING, INC.

Mixing Heads

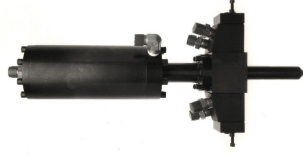


- Orifice sizes available = 0.3mm to 7.5 mm
- Mixing Head for fillers are available in sizes 10mm and up.
- Flow rates are nominal values for estimated standard viscosity's and ratios. Special ratios and higher viscosity's (above 3000cps) should be calculated for proper size mixing head. Extreme unmatched viscosity's (ex:100 cps on A and 3500 cps on B) and extreme ratios (5:1 and up) may require multiple stream mix heads with the higher volume or viscosity material split. Carbide inserts for mixing heads on 10mm-up.

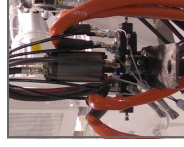
Closed Pour



Open Pour



- 4 Component heads requires tube harness for 2 component operation
- Special hot oil traced mixing head temp. to 400 deg. F.
- Output range capacity for mixing heads will vary in accordance with material viscosity's and ratios. Values are based on 1:1 ratio with viscosity's 200 cps to 700 cps on both streams. Other viscosity's and ratios, please consult engineering.



*External Recirculation
Multi-component
Mixing head*

L-HEAD

Models	Application	Flow Rate
LMH—5/8-2P	2 comp. low flow rate	1-5 lbs/min
LMH—6/10-2P	2 comp.	5-30 lbs/min
LMH—6/10-3P	2 comp. with color	5-30 lbs/min
LMH—8/12-2P	2 comp.	30-120 lbs/min
LMH—8/12-3P	2 comp. with color	30-120 lbs/min
LMH—8/12-4P	4 comp. (2 colors)	30-150 lbs/min
	2 comp. high viscosity	
LMH—10/14-2P	2 comp.	50-180 lbs/min
LMH—10/14-2PF	2 comp. with fillers	50-180 lbs/min
LMH—10/14-3P	2 comp. with color	50-180 lbs/min
LMH—10/14-4P	4 comp. (2 colors)	50-180 lbs/min
	2 comp. high viscosity	
LMH—10/14-4PF	2 comp. with fillers	80-200 lbs/min
	2 comp. with fillers with color	
LMH—12/19-2P	2 comp.	100-250 lbs/min
LMH—12/19-3P	2 comp. with color	100-250 lbs/min
LMH—12/19-2PF	2 comp. with fillers	100-250 lbs/min
LMH—12/19-4P	4 comp. (2 colors)	100-250 lbs/min
LMH—12/19-4PF	4 comp. with fillers	100-250 lbs/min
LMH—16/25-2P	2 comp.	150-400 lbs/min
LMH—16/25-3P	2 comp. with color	150-400 lbs/min
LMH—16/25-4P	4 comp.	150-400 lbs/min
	2 comp. high viscosity	

STRAIGHT HEAD

Models	Plunger Size	Comp.	Output Range	Description
HP5-2P-150	.250	2	.25—2.00 lbs/min	Open Pour
HP5-2P-100	.250	2	.25—2.00 lbs/min	Closed Pour
HP8-2P-138	.312	2	2.00—15.0 lbs/min	Closed Pour
HP8-2P-250	.312	2	10.0—30.0 lbs/min	Closed Pour
HP8-2P-450	.312	2	2.00—12.0 lbs/min	Open Pour
HP8-4P-250EX	.312	4	2.00—12.0 lbs/min	Open/Closed
HP10-2P-270	.375	2	10.0—50.0 lbs/min	Closed Pour
HP10-2P-450	.357	2	10.0—30.0 lbs/min	Open Pour
HP12-2P-270	.500	2	15.0—80.0 lbs/min	Closed Pour
HP12-4P-270	.500	4	30.0—15.0 lbs/min	Closed Pour
HP12-2P-450	.500	2	15.0—60.0 lbs/min	Open Pour
HP12-4P-250	.500	4	15.0—60.0 lbs/min	Closed Pour
HP16-2P-270	.625	2	50.0—180 lbs/min	Closed Pour
HP16-4P-270	.625	4	80.0—210 lbs/min	Closed Pour
HP16-2P-550	.625	2	60.0—150 lbs/min	Open Pour
HP20-4P-270	.750	4	100—450 lbs/min	Closed Pour
HP20-4P-550	.750	4	120—250 lbs/min	Open Pour
HP25-4P-270	1.00	4	350—900 lbs/min	Closed Pour
HP25-2P-550	1.00	2	200—500 lbs/min	Open Pour