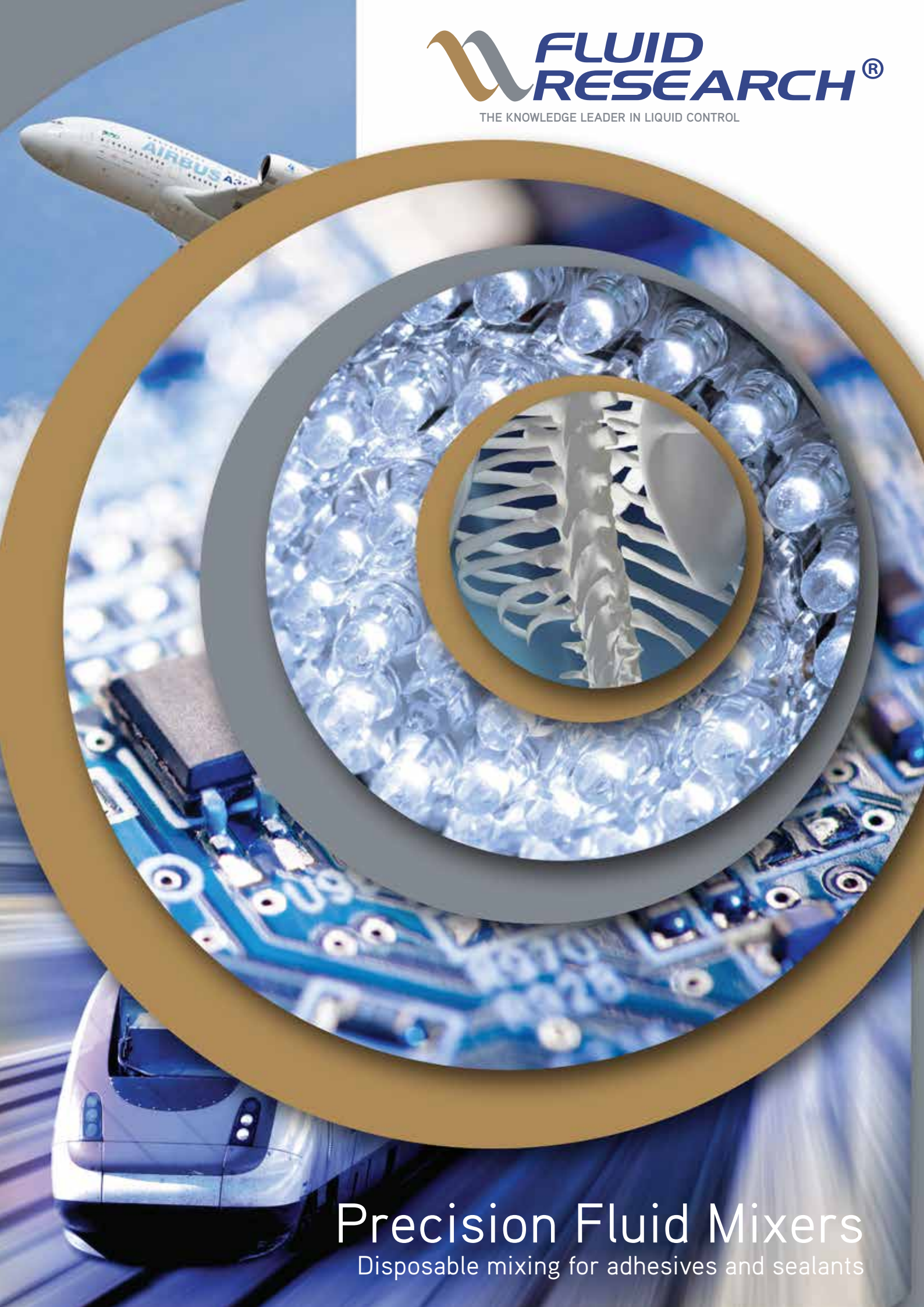




THE KNOWLEDGE LEADER IN LIQUID CONTROL



# Precision Fluid Mixers

Disposable mixing for adhesives and sealants

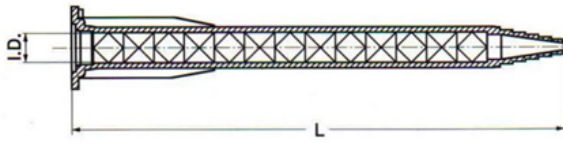
# Precision Fluid Mixers

As part of the disposable static mixer range, Fluid Research Ltd is pleased to include the bayonet-style, which can be fitted to 2-part cartridges and syringes.

These mixers are suitable for all 2-component materials over a

wide range of viscosity and reactivity times.

They can also be used with metering, mixing and dispensing equipment. The mixers are constructed in high grade polypropylene to ensure high performance at low cost.



## Key to table below for needle attachment

\*1 Luer Lock Adaptor - White - 1002150-005/80 will fit

\*2 Luer Lock Adaptor - Grey - 1002150-006/80 will fit

\*3 Luer Lock Adaptor - Black - 1002150-010/80 will fit

\*4 Hub Receiver option: add (H) to part no. of Mixer

(Hub only Pt. No. -30/160-HUB)

Standard Mixers: For variants email [sales@fluidresearch.eu](mailto:sales@fluidresearch.eu) or call 01933 277571

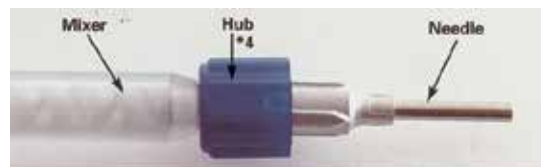
Part Number	Inner dia. mm	Outer dia mm	Length volume	Material volume ml	No. of elements	Outlet style		
<b>Special Top-hat Mixer</b> 1002203-008/80	3	5.0	38.0	0.12	8		-	-
1002203-007S/85	3	4.6	33.3	0.2	7	Stepped	-	-
1002203-013S/85	3	4.6	50.8	0.3	13	Stepped	-	-
1002203-017S/85	3	4.6	62.6	0.3	17	Stepped	-	-
1002204-007S/85	4.0	5.3	39.8	0.4	7	Stepped	-	-
1002204-013S/85	4.0	5.8	66	0.6	13	Stepped	-	-
1002204-017S/85	4.0	5.8	81.6	0.8	17	Stepped	-	-
30/190-416/80	4.7	6.7	85.3	1.0	16	Luer Slip		*4
1002206.3012S85	6.3	8.7	97	2.1	12	Stepped	-	*1
1002206.3017S85	6.3	8.7	128	2.9	17	Stepped	-	*1
1002206.3021S85	6.3	8.7	153	3.6	21	Stepped	-	*1

## Rotary Static Mixers

Part Number	Inner dia. mm	Outer dia mm	Length volume	Material volume ml	No. of elements	Outlet style		
1002206-012/ROT	6.4	10.0	111.5	4.5	12	Stepped		
1002208-012/ROT	8.0	12.0	130	6.5	12	Stepped	*2	
1002210-012/ROT	10.0	14.0	155	10.5	12	Stepped	*3	
1002213-012/ROT	13.0	17.0	197	18.0	12	Stepped		
30/442-C1-A/ROT	13.0	16.58	165	13.5	12	Stepped		

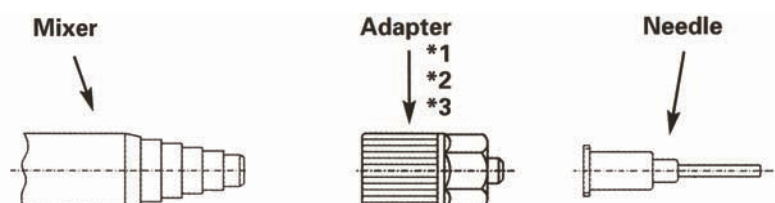
## Needle attachment available with hub fitting

30/160 hub (\*4)



## For needle attachment use Luer Lock Adaptor

Part No.	Colour	
1002150-005/80	White	*1
1002150-006/80	Grey	*2
1002150-010/80	Black	*3
30/160-Hub		*4



Details of needle tips are available upon request

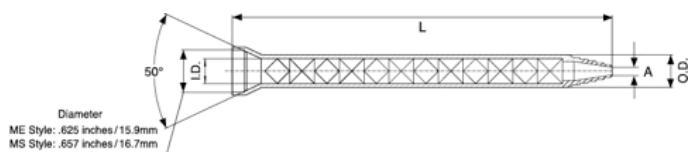
# Bell Mouthed Mixers

The range of disposable static mixers has been developed to give maximum performance when used on all makes of metering, mixing and dispensing equipment. The mixer elements are moulded in polyacetal to withstand the high pressures found in machine applications.

When operating any machine with static mixers, it is advised that a mixer shroud should be used for safety reasons. Cartridge mixers are available, but MUST NOT be used for machine applications

## Key to table below for needle attachment

- \*1 Luer Lock Adaptor - 1002150-005/80 will fit
- \*2 Luer Lock Adaptor - 1002150-006/180 will fit
- \*3 Luer Lock Adaptor - 1002150-010180 will fit
- \*4 Hub option available for needle attachment (SH)
- \*5 Sleeve available with male thread outlet

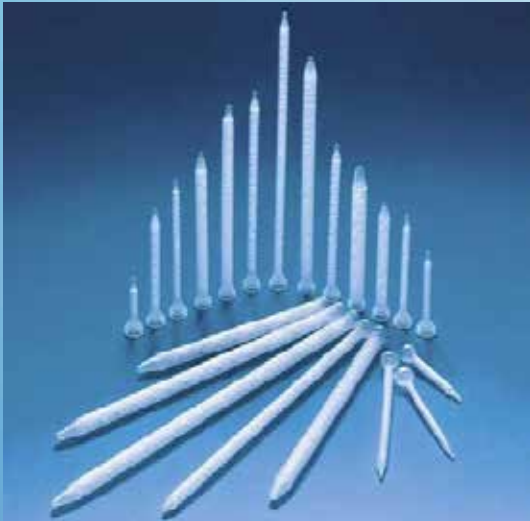


Standard Mixers: For variants email [sales@fluidresearch.eu](mailto:sales@fluidresearch.eu) or call 01933 277571

Part Number	Inner dia. mm	Outer dia mm	Length volume	Material volume ml	No. of elements	Outlet style	Mixing Retaining Nut/Sleeve		
30/160-408/80	4.8	7.6	66	1.0	8	Luer Slip	30/165-408J/98	*1	*4
30/160-416/80	4.8	7.6	99	1.3	16	Luer Slip	30/165-416J/98	*1	*4
30/160-424/80	4.8	7.6	131	2.0	24	Luer Slip	30/165-424J/98	*1	*4
30/160-432/80	4.8	7.6	164	2.3	32	Luer Slip	30/165-432J/98	*1	*4
30/160-448/80	4.8	7.6	229	2.8	48	Luer Slip	30/165-432J/98 (Nut 30/165-36N-A-9/97)	*1	*4
1002205-024/80	5.0	8.0	149	2.3	24	Stepped	1001568-24/97	*1	*5
1002205-032/80	5.0	8.0	188	5.0	32	Stepped	1001568-032/97	*1	*5
1002206-024/80	6.3	10.0	186	4.2	24	Stepped	1001572-024/97	*2	*5
1002206-032/80	6.3	10.0	235	6.0	32	Stepped	1001572-032/97	*2	*5
1002206-056/80	6.3	10.0	376	9.0	56	Stepped	1001572-056/97	*2	*5
30/160-608/80	6.3	9.4	904	1.8	8	Luer Slip	165-608JL-997	*1	*4
30/160-616/80	6.3	9.4	138	2.7	16	Luer Slip	30/165-616JL-9/97	*1	*4
30/160-624/80	6.3	9.4	190	3.8	24	Luer Slip	30/165-624JL-9/97	*1	*4
30/160-632/80	6.3	9.4	241	5.0	32	Luer Slip	30/165-632JL-9/97	*1	*4
30/160-648/80	6.3	9.4	334	7.2	48	Luer Slip	30/165-648JL-9/97	*1	*4
30/160-718/80	8.0	11.7	177	5.6	18	Stepped	30/165-718JL-9/97	*2	
30/160-724/80	8.0	11.7	224	7.8	24	Stepped	30/165-724JL	*2	
30/160-732/80	8.0	11.7	290	9.3	32	Stepped	30/165-732JL-9/97	*2	
1002208-024/80	8.0	12.0	223	8.5	24	Stepped	1001574-024/97	*2	*5
1002208-032/80	8.0	12.0	287	10.0	32	Stepped	1001574-032/97	*2	*5
30/160-812/85	9.3	13.0	139	6.6	12	Stepped	165-812JL-9/97	*3	
30/160-812/80	9.3	13.0	139	6.6	12	Stepped	165-812JL-9/97	*3	
30/160-818/80	9.3	13.0	185	7.9	18	Stepped	30/165-818JL-9/97	*3	
30/160-824/80	9.3	13.0	232	11.3	24	Stepped	30/165-828JL-9/97	*3	
30/160-830/80	9.3	13.0	285	13.3	30	Stepped	30/165-830JL-9/97	*3	
30/160-840/80	9.3	13.0	359	16.8	40	Stepped	30/165-840JL-9/97	*3	
1002210-018/80	10.0	14.0	214	11.7	18	Stepped	1001573-018/97	*3	
1002210-024/80	10.0	14.0	276	14.6	24	Stepped	1001573-024/97	*3	*5
1002210-032/80	10.0	14.0	352	18.0	32	Stepped	1001573-032/97		
1002210021083280	10 = 8	14.0	352	18.0	12 + 32	Stepped	1001573-032/97	*3	*5
30/161-212/85	12.7	16.8	170	14.5	12	Stepped	30/166-212J-9/97	-	
30/161-218/80	12.7	16.8	230	20.0	18	Stepped	30/166-218J-9/97	-	
30/161-224/80	12.7	16.8	295	26.0	24	Stepped	30/166-224J-9/97	-	
30/161-230/80	12.7	16.8	358	32.0	30	Stepped	30/166-230J-9/97	-	
30/161-236/80	12.7	16.8	422	40.0	36	Stepped	30/166-236J-9/97	-	
1002213-024/80	13.0	17.0	293	27.3	24	Stepped	1001575-024/97	-	*5
1002213-032/80	13.0	17.0	378	40.0	32	Stepped	1001575-032/97		
1002213021103280	13 + 10	17.0	378	40.0	12 + 32	Stepped	1001575-032/97	-	*5
30/162A-616/80	19.9	24.9	317.5	70.0	16	1/2 in Bsp	30/165-4DN		
30/162A-623/80	19.9	24.9	431.8	100.0	23	1/2 in Bsp	30/165-4DN		
30/162A-632/80	19.9	24.9	622.3	140.0	32	1/2 in Bsp	30/165-4DN		
30/162A-639/80	19.9	24.9	770	239	39	1/2 in Bsp	30/165-4DN		
30/162A-648/80	19.9	24.9	925	48	288				

Details of needle tips are available upon request





Fluid Research Limited is a market leader in innovation, design and manufacture of metering, mixing and dispensing machines. Specialising in automated processing systems to handle epoxies, polyurethanes, silicones, acrylics as well as any one or two component resin systems.

Our core product range is supplemented with the capability to custom build bespoke machines using our Posiload™ piston pump technology, designed in our 3D design studio. As a UK manufacturer with in house engineering and CNC facilities we are able to ensure the quality of design and build is at the highest level. We manufacture machines for a diverse range of industries including aerospace, marine, transport, wind energy, solar power, electronics, and automotive.

With over 40 years of experience of building high quality mix and dispensing equipment FRL also offers a comprehensive customer support package. We have our own team of field service engineers that are on hand to commission and maintain your machines in situ. All of our mix and dispense machines can be manufactured with custom options to suit your specific production needs. Please go to our website to see the full list of options for each of the machines.

Fluid Research Ltd has a comprehensive range of mixers:

- Static mixer nozzles
- Luer lock adaptor options for needle attachment
- Dispensing needles
- Twinmixers

Plus many more options. For enquiries please contact direct on 01933 277571

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