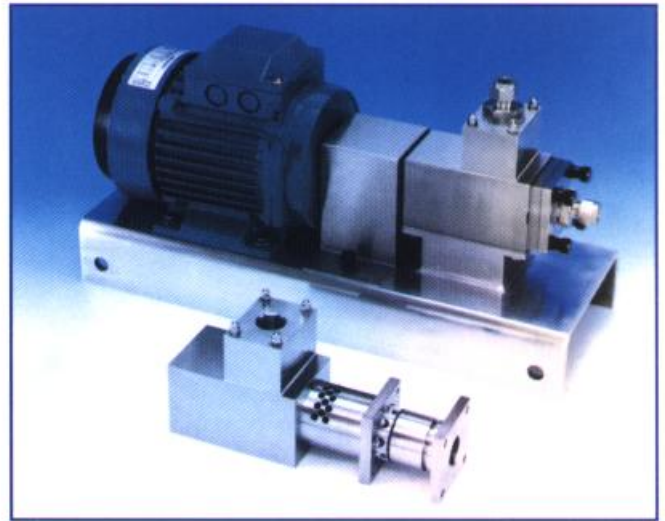




The Integrimix C range of high performance inline fluid mixers offers a unique combination of benefits to users who are looking to improve inline mixing performance and efficiency. Based on patented Integral Pump Mixing (IPM) technology, Integrimix C combines different fluid stress mechanisms and integrated positive displacement pumping to deliver exceptional dispersive and distributive mixing over a very wide viscosity range.

INTEGRIMIX C



“high intensity mixing and positive displacement pumping give the performance edge”



10x
specific energy*

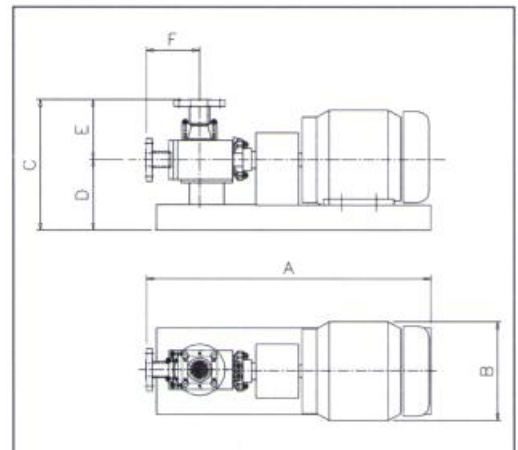
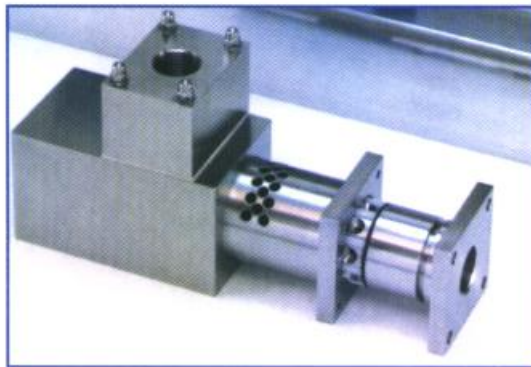
integral pumping
wide viscosity range
scalable
flexible
highly efficient

- Highly intensive processing for improved dispersion - typically up to 10x the specific mixing energy is delivered compared to conventional rotor/stator machines - increased specific energy is directly related to decreased droplet and particle sizes
- Integral positive displacement pumping allows a wide viscosity range to be processed and provides a self-cleaning action
- Uniform stressing and consistent process history
- Zero normal aeration (deliberate aeration possible)
- Configurable to suit a wide range of duties using optional powder feed systems, dosing systems, etc.



Emulsifying
Homogenising
Dispersing
Reacting

*Compared to similar sized rotor/stator "high-shear" mixers



40 Series	60 Series	100 Series (custom build)
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Typical Dimensions (for medium-energy machines)		mm		
A		480-545	730-1130	1400 -*
B		160-200	180-390	310 -*
C	(will vary depending on specified flange/fitting ¹)	245	385	*
D		155	200	315 -*
E	(will vary depending on specified flange/fitting ¹)	90	175	*
F	(will vary depending on specified flange/fitting ¹)	80	155	*
Maximum flowrate	tonnes/hr	2	20	200
Viscosity range	Pa.s (cP)	10 ⁻⁴ (10 ⁻¹) - 10 ² (10 ⁵) higher viscosities on request		
Motor power range (standard sizes ²)	kW (hp)	0.55(0.75) - 3(4)	1.5(2) - 30(40)	15(20) - 200+(270+)
Motor speed (typical maximum)	rpm	1500	1500	1500
Mixer nozzle size range (typical)	mm	0.5 - 1.5	1.0 - 5.0	1.0 - 8.0
Construction materials (standard)				
Wetted metal parts			316 stainless steel	†
Vaness			acetal copolymer	†
Internal bearings			polymer	
Mounting & supports			painted structural steel	

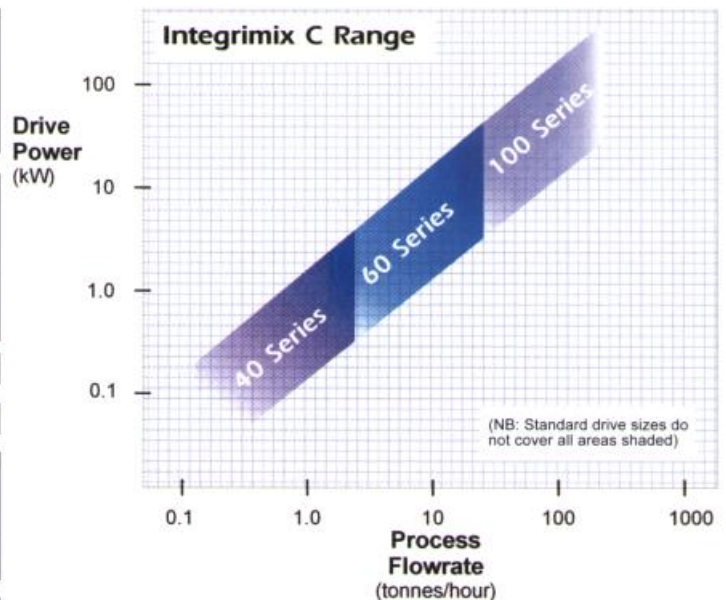
¹ A wide range of flange and fitting options are available
² Larger and non-standard motors available on request
 * Dimensions of larger sizes are available on request
 † Application dependent



Options

Construction materials	
wetted parts (incl. vanes & bearings)	Hardened stainless, toolsteels, titanium, ceramics, polymers, etc.
non-wetted parts	316 stainless steel, aluminium, etc.
System options	Integrated system solutions including - feed pumps - range of pumps to suit most applications - metering and dosing systems - control systems - eg. standalone or plant integrated, closed-loop, PLC-based, PC-based - real-time measurement and analysis systems - CIP/SIP systems
Bearings	Externally-mounted rolling element bearings
Seals	Single or double mechanical seals
Drives	- Electric motors to any IP rating - EExd and explosion proof motors - Air motors - Painted or stainless steel finishes - AC inverters and DC control systems

The physical and performance specifications in this leaflet are not intended for accurate sizing and selection of machines. Please contact Maelstrom APT or its agents directly for a selection appropriate to any particular mixing application.



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