



High shear mixing performance combined with robust design and high quality components make the DC range of inline production machines an excellent choice for many processes.

The DC range features FDM high shear technology which uses inter-cavity transfer and hydraulic shear to deliver up to five times the mixing energy of conventional high shear mixers. This translates into faster throughputs and better, finer dispersions and emulsions with particle and droplet sizes typically in the 2 to 5 micron range.

A wide range of mixing head and flange fitting options mean that the DC range can be easily included in most existing processes, much like a simple centrifugal pump. Special options for hygienic and CIP operation are available for food and pharmaceutical applications and flameproof versions can be provided for hazardous areas. A choice of single or double mechanical seals in various materials is offered to compliment specific applications.

Whether you are replacing an existing high shear mixer or moving from batch to inline processing for the first time, the DC range should be your first port of call for simple operation and robust, reliable performance.

- Dispersing
- Homogenising
- Rapid blending
- De-agglomerating
- Emulsifying
- Reacting
- Diluting



MODEL RANGE

		DC75	DC100	DC125	DC150	DC175	DC200
Nominal rotor diameter	mm	75	100	125	150	175	200
Typical maximum flowrate (water)	litres/hr	2500	6000	12000	20000	30000	50000
	gals/min	10	25	50	90	130	220
Viscosity range (approx.)	Pa.s (cP)	0.0001 (0.1) - 30 (30,000)*					
Ports (RJT, Triclamp and ANSI options)	inch	1	1.5	1.5	2	2.5	3
Weight**	kg	36	65	140	255	385	440
	lbs	80	145	310	560	850	970
Motor power range (standard**)	kW	2.2	5.5	11	18.5	30	45
	hp	3	7.5	15	25	40	60
Rotor speed (typical max.)	rpm	6000***		3600			
Approvals / Certification (standard)		CE marking (Europe), UL/ASME components (US) + others					

* For fluids towards that upper end of this viscosity range, the addition of a pump upstream of the mixer is highly recommended.

** Typical for alloy motors. Larger and non-standard motors available on request

*** Achievable using optional frequency inverter drive

