

Powder and
Vigorous Mixing
Applications



High Power

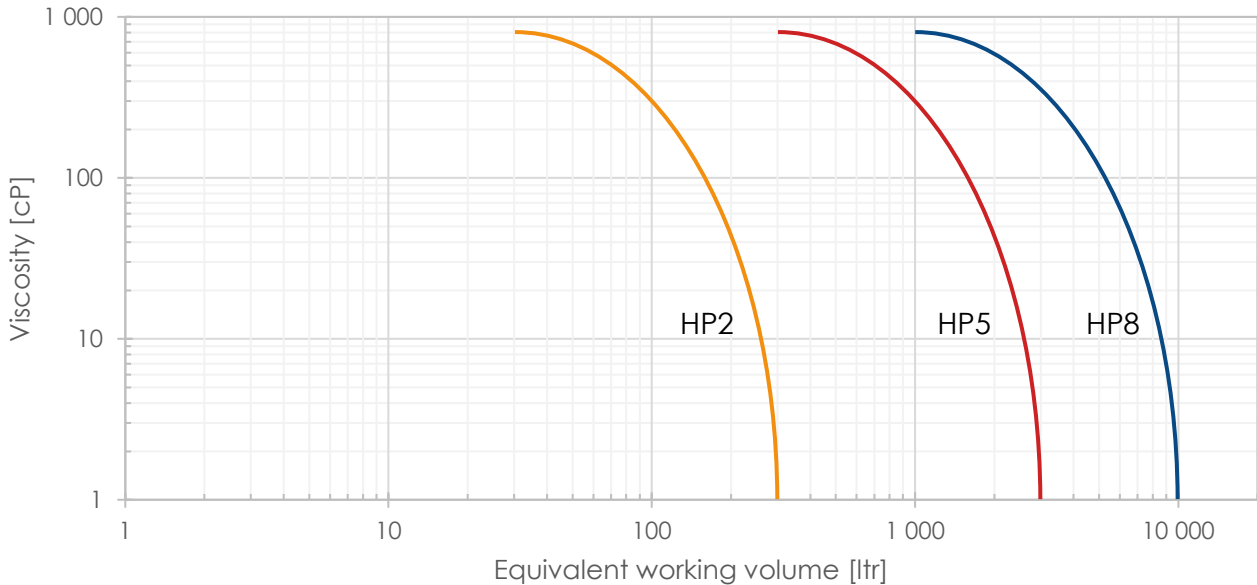
Magnetic Mixer

The High Power mixer has a robust and aseptic design that creates medium to high shear forces. The mixer performs well in most applications and is designed for the upstream stages in the pharmaceutical and biotech industry.

The High Power mixer is a solid and liquid mixer which primary objective is to create and maintain a dispersion of solids in a liquid phase that is appropriate for the desired process result.

Basic Selection

	HP2	HP5	HP8
Max Volume at 1 cP [litr]	300	3000	10000
Max Speed [rpm]	1700	1700	1700

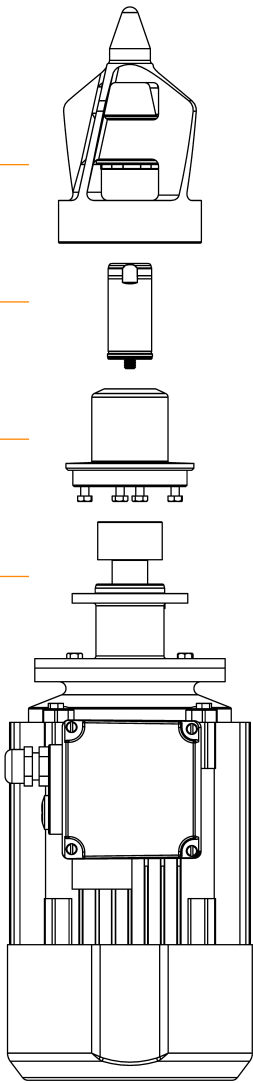


Mix Head

Male Post

Tank Plate

Drive Unit



General guide for components detail specification data sheet
(More variation options available for each subcomponent)

Mixer Model	Mixing Head	Male Post	Tank Plate	Drive Unit
HP2	DS HP2 MH -2736	DS ZG- MP 18 -827	DS ZG2 TP -838	DS HP2 DU E0 -3763
HP5	DS HP5 MH -1807	DS ZG- MP 32 -199	DS ZG5 TP -79	DS HP5 DU E0 -1991
HP8	DS HP8 MH -3699	DS ZG- MP 40 -329	DS HP8 TP -3820	DS HP8 DU E0 -3819

Net Weight (approximate)

Mixer Model	HP2	HP5	HP8
Weight kg (lb)	9 (20)	23 (51)	57 (126)

Additional information

Operating Temp	5°C - 150°C (41°F - 302°F) Environment Temp 0°C - 40°C (32°F - 104°F)
Operating Pressure	-1 – 7 barg (-14.7 – 103 psig)
Surface Roughness	Ra ≤ 0.38 µm (15 µin)
Surface Treatment	Electro polished. Non animal origin polishing compounds are used.
Product contact material	Standard SS material 316L, bearing material SIC and elastomers EPDM (USP VI , FDA compliant). Other material options available upon request.