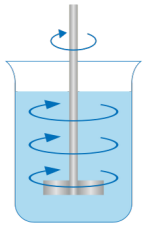
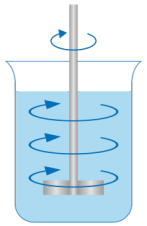
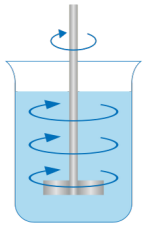
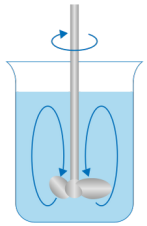
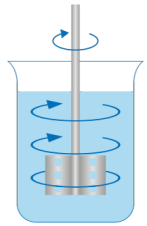
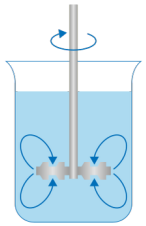
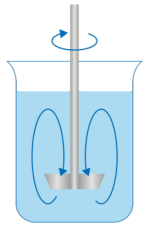
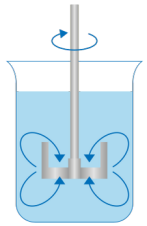
Comparison table Stirring Shafts
Overhead Stirrers

CHIMICA CENTRO
ADDED VALUE LAB SOLUTIONS

velp®

	Stirring shaft with floating blades	Stirring shaft with folding blade	Stirring shaft with fixed blade	Stirring shaft with propeller	Stirring shaft with 6-hole paddle	Stirring shaft with turbine	Stirring shaft with turbo propeller	Stirring shaft with turbo anchor
Code	A00001304	A00001305	A00001306	A00001307	A00001308	A00001309	A00001310	A00001311
Flow pattern	Radial	Radial	Radial	Axial	Tangential	Radial	Axial	Tangential
								
Description	The two blades that open as the speed rises generate a radialflow in the container, from the top towards the bottom. Particularly recommended for stirring in narrowneck containers, e.g. flasks.	The blade that automatically falls into line during rotation generates a radialflow in the container, from the top towards the bottom. Particularly recommended for stirring in narrowneck containers.	It generates aradial flow in the container, from the top towardsthe bottom. Employment: Use at medium-high speed for whirling light solids, for flocculations, mixing thickening agents, stirring sludge, etc.	Standard stirring shaft. It generates an axial flow in the container with suction of the substance from the bottom towards the top and localized occurence of shearing forces.	It generates a tangential flow with reduced turbulence and with gentle mixing of the product.	It generates a radial flow with suction of the product from the top towards the bottom, with high turbulence and high shearing forces.	It generates an axial flow in the container with suction of the substance from the top towards the bottom with low shearing forces. Limited dangerof any contact of the blade with the walls of theproduct's container.	It generates a tangential flow with high shearing forces on the ends. The flow generated limits the possibility of sedimentation on the walls of the container.
Blade Ø	93 mm	60 mm	50 mm	60 mm	69 mm	49 mm	46 mm	45 mm
Shaft Ø	7 mm	7 mm	7 mm	7 mm	7 mm	7 mm	7 mm	7 mm
Shaft Lenght	400 mm	400 mm	400 mm	400 mm	510 mm	400 mm	400 mm	400 mm
Speed range	M-H*	M-H*	M-H*	M-H*	L-M*	M-H*	M-H*	L-H*
Viscosity Range	VL-L**	VL-L**	VL-L-M**	VL-L-M**	L-M**	M-H**	M-H**	M-H**

***Speed range**

Low (L)	< 250 rpm
Medium (M)	250 - 800 rpm
High (H)	> 800 rpm

****Viscosity range**

Very Low (VL)	0 - 100 mPa*s
Low (L)	100 - 1,000 mPa*s
Medium (M)	1,000 - 10,000 mPa*s
High (H)	10,000 - 100,000 mPa*s