

PLR compressed air lab stirrers

Stirring rotors for compressed air lab stirrers



Dissolver stirring rotors DS

The dissolver stirrer creates a radial flow with high turbulence. The mixture is drawn from top to bottom. High shear forces are created at the dissolver disk which provides effective particle reduction. Recommended for medium to high speed operations.

Type	Material no.	Length mm	Stirrer Ø mm	Shaft Ø mm	Code-No.
DS 1	1.4404	350	30	8	40 26446 00109 4
DS 2	1.4404	350	40	10	40 26446 00800 0
DS 3	1.4404	550	50	10	40 26446 00677 8
DS 4	1.4404	550	60	10	40 26446 00801 7
DS 5	1.4404	550	70	10	40 26446 00802 4
DS 6	1.4404	550	80	10	40 26446 00735 5



PRP1



PRP2 and PRP3

Propeller stirring rotors, PTFE-coated

The 3-blade propellers produce axial flow and feature a fluoroplastics-jacketed, stainless steel shaft and a stirrer paddle made of solid PTFE. The stainless steel core assures firm attachment of the stirrer chuck, but will not come into contact with the medium. Operating temperature -200°C to +250°C.

Type	Material no.	Length mm	Shaft Ø mm	to fit chuck Ø mm	Paddle width mm	Paddle Ø mm	Code-No.
PRP 1	PTFE	600	10	8	3	75	40 26446 00380 7
PRP 2	PTFE	800	10	8	4	140	40 26446 00381 4
PRP 3	PTFE	1000	16	14	6	200	40 26446 00382 1

Customised shaft length available upon request.



BuddeMix 1-4



BuddeMix Mini 30/40

BuddeMix Stirring System 1-4

This novel stirring system has been conceived to mix low viscosity fluids as well as highly viscous media at slow speeds. Its special design creates inherent dynamic currents to produce perfectly homogeneous mixing results in very little time. Additional components like baffles, bottom bearings, etc. are not needed.

Your advantages at a glance:

- suitable for low to highly viscous fluids
- stirs media containing solids and fibres without any difficulty
- gentle, low-shear stirring, due to slow stirring speed
- constant product temperature, with no heating effect
- short mixing times as the entire contents of the container are agitated
- no air addition, no foaming
- no baffles required
- low gear wear due to balanced forces

- minimal power consumption thanks to low speeds and short operation times
- easy cleaning

Particularly for potentially explosive atmospheres:

- a single stirring zone near to the container base ensures easy mixing of settled residues, e.g. in flow-through mixing containers
- no baffles required, thus no additional sources of ignition

Available upon request:

- customised shaft length
- fine surface polishing Ra 0.6 to 0.8 µm, except BuddeMix Mini
- certificate of roughness, except BuddeMix Mini
- material certificate 3.1 B

Type	Material no.	Length mm	Stirrer Ø mm	Shaft Ø mm	Code-No.
BuddeMix Mini 30	1.4404	350	35	8	40 26446 00806 2
BuddeMix Mini 40	1.4404	350	46	8	40 26446 00834 5
BuddeMix 1	1.4404	350	60	10	40 26446 00799 7
BuddeMix 2	1.4404	350	80	10	40 26446 00535 1
BuddeMix 3	1.4404	550	120	10	40 26446 00536 8
BuddeMix 4	1.4404	850	150	10	40 26446 00537 5

