

PLR compressed air lab stirrers

Model Selection

PLR compressed air laboratory stirrers up to 30 L for use in potentially explosive atmospheres

PLR compressed air laboratory stirrers are designed for all kinds of standard mixing tasks. The vane type, air-driven motor offers a high power density and is significantly lighter and smaller than an equivalent electric motor.

General specifications:

- operating pressure max. 6 bar
- air consumption 260 L/min. at 6 bar
- power output 200 W at 6 bar

- clockwise rotation
- ATEX certification

Basic models include:

- all-stainless steel housing
- continuously adjustable speed control valve
- support arm Ø 14 mm
- plug-in connector DN 5
- output shaft L x Ø 26 x 10 mm



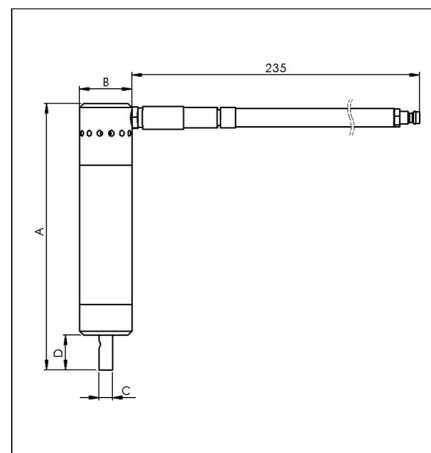
Type	Power output Watt	Volume max. L	Viscosity mPas	No-load speed rpm	Torque Nm	ATEX Code	Code-No.
PLR 10	200	3	1000	15000	0.3	Ex II 2G c T4	40 26446 00247 3
PLR 11	200	30	50000	1900	3.5	Ex II 2G c T5	40 26446 00251 0
PLR 12	200	30	70000	1000	5.3	Ex II 2G c T5	40 26446 00260 2
PLR 28	200	30	100000	580	10.4	Ex II 2G c T5	40 26446 00364 7
PLR 13	200	30	150000	80	19.8	Ex II 2G c T5	40 26446 00268 8

Viscosity data to be considered as guidelines. All technical data pertaining to 6 bar.

We recommend connection coupling VK 10 for the connection to a stirring shaft, see accessories

Dimensions of PLR

Type	A mm	B mm	C mm	D mm
PLR 10	125	Ø 38	Ø 10	26
PLR 11	160	Ø 38	Ø 10	26
PLR 12	195	Ø 38	Ø 10	26
PLR 28	195	Ø 38	Ø 10	26
PLR 13	228	Ø 38	Ø 10	26



Application example for PLR

Shown here is a PLR 12 compressed air laboratory stirrer, mounted on a floor stand and connected to a diagonal blade stirring rotor in a 10 L container.

